

AAG2013

LOS ANGELES



Annual Meeting Program

April 9-13, 2013 • Los Angeles, California



AAG
ASSOCIATION of
AMERICAN GEOGRAPHERS

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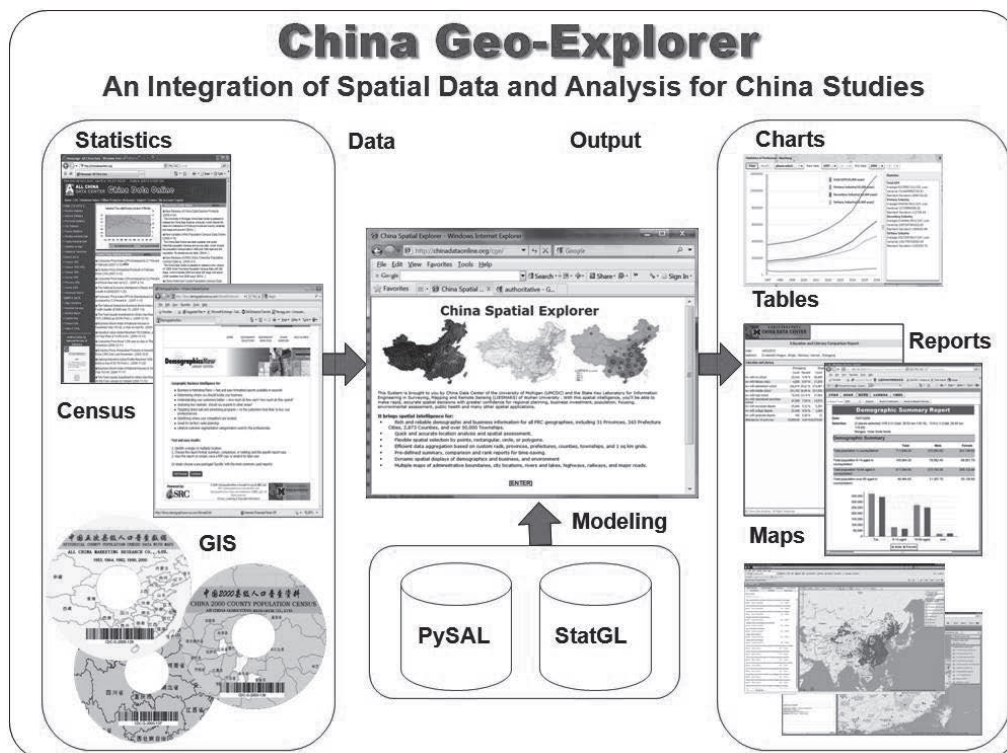
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- The Population Census Data (1953, 1964, 1982, 1990, 2000)
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- The 2004 Economic Census Data
- The Yearly Province and City Statistics



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THE ASSOCIATION OF AMERICAN GEOGRAPHERS



AAG

ASSOCIATION *of*
AMERICAN GEOGRAPHERS

2013 Annual Meeting

April 9-13, 2013

Los Angeles, California

PROGRAM

The Association of American Geographers

1710 Sixteenth Street, NW

Washington, DC 20009-3198

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

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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 agency up to a maximum of \$400. 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 \$400 per family.

Reimbursement is only available for childcare on-site in Los Angeles. No reimbursement is made for childcare at your home while you are in Los Angeles or for childcare provided by anyone other than a licensed childcare agency. All childcare arrangements should be made by the individual attendee. Licensed childcare agencies in the Los Angeles area include: Buckingham Nannies (818) 784-6504, Neverland Nannies & Domestic (877) NANNY-123, and Destination Sitters (888) SIT-KIDZ, 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 VOLUNTEERS

Please report to the Conference Volunteer Desk next to the AAG Registration Desk located in the Second Level Foyer of The Westin Bonaventure no later than 20 minutes prior to your first scheduled shift. Upon check in you will receive all pertinent information and instructions regarding your duties.

EXHIBITS

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

The AAG Annual Meeting Exhibit Hall is located in the the Pasadena Room on the Exhibition Level of the Westin Bonaventure, one level below the Lobby Level. See page 70-72 for an AAG Exhibit Hall floor plan and list of exhibitors.

EXHIBIT HALL HOURS

Wednesday, April 10

9:30 a.m. - 5:30 p.m. Exhibit Hall Open

Thursday, April 11

9:30 a.m. - 5:30 p.m. Exhibit Hall Open

Friday, April 12

9:30 a.m. - 3:30 p.m. Exhibit Hall Open

EXHIBIT HALL TWITTER SCAVENGER HUNT

New for 2013, the AAG will offer a Twitter Scavenger Hunt in the Exhibit Hall. Participate in the scavenger hunt for an opportunity to win a complimentary 2014 Annual Meeting conference registration. One winner will be selected for each day the Exhibit Hall is open (Wednesday – Friday). Follow the AAG on twitter for more information: @theAAG.

FIELD TRIPS

All field trips require advance registration. Please visit the AAG Registration Desk, location in the Second Level Foyer of the Westin Bonaventure to register for a workshop.

Field trips will depart from the Figueroa Street access on the Second Level of the Westin Bonaventure. We recommend arriving 15 minutes prior to your field trip start time to ensure a timely departure.

GENERAL INFORMATION

INTERNET ACCESS

The AAG is providing complimentary wireless internet access for attendees and exhibitors in the Exhibit Hall (Pasadena Room, Westin, one level below Lobby Level) during the Exhibit Hall Hours listed on the previous page. Complimentary wireless internet access is also available in the lobby of the Westin Bonaventure, the LA Hotel, and the Biltmore, as well as in sleeping rooms to guests staying at the Westin Bonaventure and the Millennium Biltmore.

MEETING VENUES

Sessions, workshops and special events will take place at three downtown Los Angeles hotels: The Westin Bonaventure Hotel & Suites, The LA Hotel Downtown and The Biltmore Hotel Los Angeles.

The Westin Bonaventure Hotel & Suites (Headquarters)

404 South Figueroa Street
Los Angeles, CA 90071
(213) 624-1000

The LA Hotel Downtown

333 South Figueroa Street
Los Angeles, CA 90071
(213) 617-1133

The Biltmore Hotel Los Angeles

506 South Grand Avenue
Los Angeles, CA 90071
(213) 617-1133

To access the LA Hotel from the Westin:

Depart the Westin on the Second Level, Figueroa Street. Take a right on Figueroa Street. Cross Figueroa at 4th Street. Continue down Figueroa. The LA Hotel will be on your left.

To access the Biltmore from the Westin:

Depart the Westin from the Lobby Level, Flower Street. Take a right on Flower Street. Cross Flower Street at W 5th Street. Continue down W 5th Street until you cross S Grand Avenue. The Biltmore is at the corner of W 5th Street and S Grand Avenue

MOBILITY ASSISTANCE

Visit the Conference Volunteer desk in the Second Level Foyer of the Westin Bonaventure to arrange mobility assistance. You may also request assistance from any Conference Volunteer stationed in the lobby of the hotels.

NON-SMOKING POLICY

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

PHOTOGRAPHY 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 Second Level Foyer of the Westin Bonaventure, one level up from the Lobby Level. Registration will be open during the following hours:

Monday, April 8	4:00 p.m. - 7:00 p.m.
Tuesday, April 9	7:00 a.m. - 7:30 p.m.
Wednesday, April 10	7:00 a.m. - 6:00 p.m.
Thursday, April 11	7:30 a.m. - 5:00 p.m.
Friday, April 12	7:45 a.m. - 5:00 p.m.
Saturday, April 13	7:45 a.m. - 12:30 p.m.

SESSION CHAIRS

See instructions on page 80.

THE WESTIN BONAVENTURE

Location of Meeting Rooms

See pages 82-83 for the Key to Room Numbers and Session Numbers.

Rooms by Level/Floor:

LOBBY LEVEL

Room Name	Session Room Code#
Beaudry A	01
Beaudry B	02
La Brea	03
La Cienega	04
Los Cerritos	05
Los Feliz	06
Palos Verdes	07
San Bernardino	08
San Fernando	09
San Gabriel A	10
San Gabriel B	11
San Gabriel C	12
San Pedro	13
Santa Anita A	14
Santa Anita B	15
Santa Anita C	16
Santa Barbara A	17
Santa Barbara B	18
Santa Barbara C	19

LEVEL 2

Room Name	Session Room Code#
Sacramento	20
San Diego	21
San Francisco	22
San Jose	23

LEVEL 3

Room Name	Session Room Code#
Avalon	24
Emerald Bay	25
Hollywood Ballroom	26
Santa Monica A	27
Santa Monica B	28
Santa Monica C	29
Santa Monica D	30

30TH FLOOR

Room Name	Session Room Code#
Laguna Parlor 3004	32
Laguna Parlor 3008	33
Laguna Parlor 3024	34
Laguna Parlor 3028	35
Laguna Parlor 3044	36
Laguna Parlor 3048	37
Laguna Parlor 3064	38
Laguna Parlor 3068	39
Malibu Parlor 3018	40
Malibu Parlor 3038	41
Malibu Parlor 3058	42
Malibu Parlor 3078	43

31ST FLOOR

Room Name	Session Room Code#
Malibu Parlor 3118	44
Malibu Parlor 3138	45
Malibu Parlor 3158	46
Malibu Parlor 3178	47

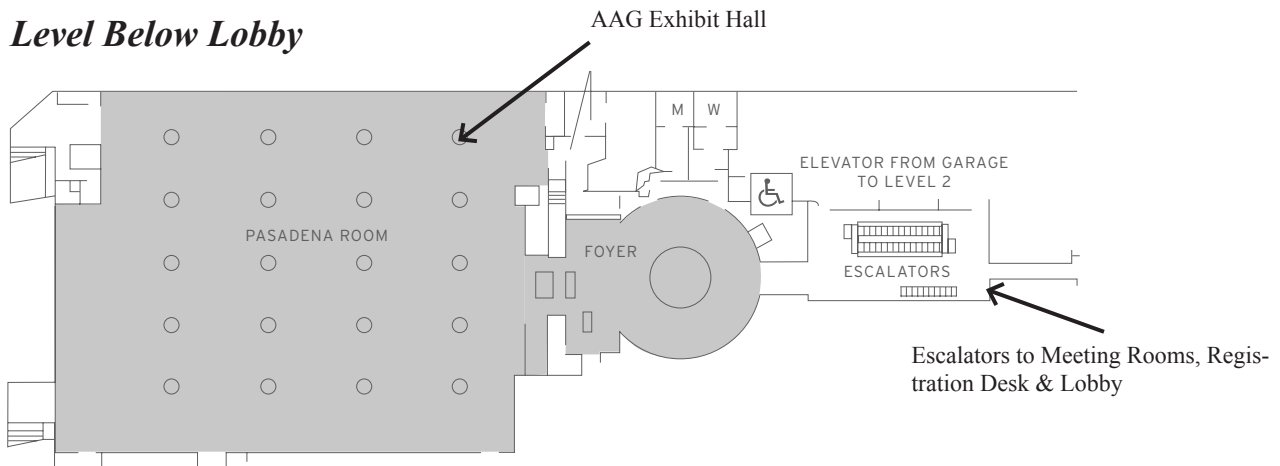
Rooms Alphabetically:

Room Name	Session Room Code#	Location
Avalon	24	Level 3
Beaudry A	1	Lobby Level
Beaudry B	2	Lobby Level
Emerald Bay	25	Level 3
Hollywood Ballroom	26	Level 3
La Brea	3	Lobby Level
La Cienega	4	Lobby Level
Laguna Parlor 3004	32	30th Floor
Laguna Parlor 3008	33	30th Floor
Laguna Parlor 3024	34	30th Floor
Laguna Parlor 3028	35	30th Floor
Laguna Parlor 3044	36	30th Floor
Laguna Parlor 3048	37	30th Floor
Laguna Parlor 3064	38	30th Floor
Laguna Parlor 3068	39	30th Floor
Los Cerritos	5	Lobby Level
Los Feliz	6	Lobby Level
Malibu Parlor 3018	40	30th Floor
Malibu Parlor 3038	41	30th Floor
Malibu Parlor 3058	42	30th Floor
Malibu Parlor 3078	43	30th Floor
Malibu Parlor 3118	44	31st Floor
Malibu Parlor 3138	45	31st Floor
Malibu Parlor 3158	46	31st Floor
Malibu Parlor 3178	47	31st Floor
Palos Verdes	7	Lobby Level
Pasadena Room	Exhibit Hall	Level Below Lobby
Sacramento	20	Level 2
San Bernardino	8	Lobby Level
San Diego	21	Level 2
San Fernando	9	Lobby Level
San Francisco	22	Level 2
San Gabriel A	10	Lobby Level
San Gabriel B	11	Lobby Level
San Gabriel C	12	Lobby Level
San Jose	23	Level 2
San Pedro	13	Lobby Level
Santa Anita A	14	Lobby Level
Santa Anita B	15	Lobby Level
Santa Anita C	16	Lobby Level
Santa Barbara A	17	Lobby Level
Santa Barbara B	18	Lobby Level
Santa Barbara C	19	Lobby Level
Santa Monica A	27	Level 3
Santa Monica B	28	Level 3
Santa Monica C	29	Level 3
Santa Monica D	30	Level 3
Tsubaki Lounge	31	12th Floor

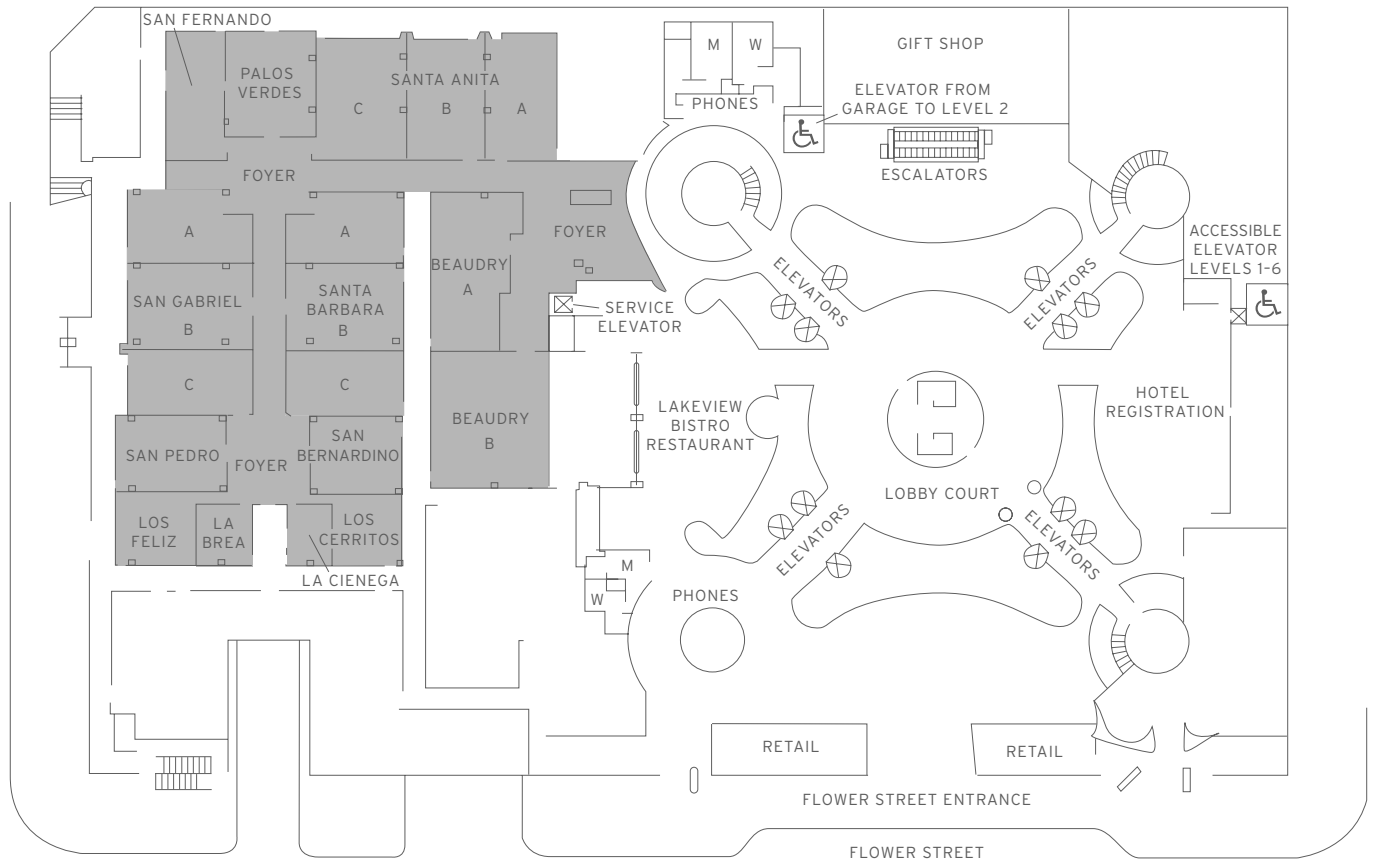
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Level Below Lobby and Lobby Level

Level Below Lobby



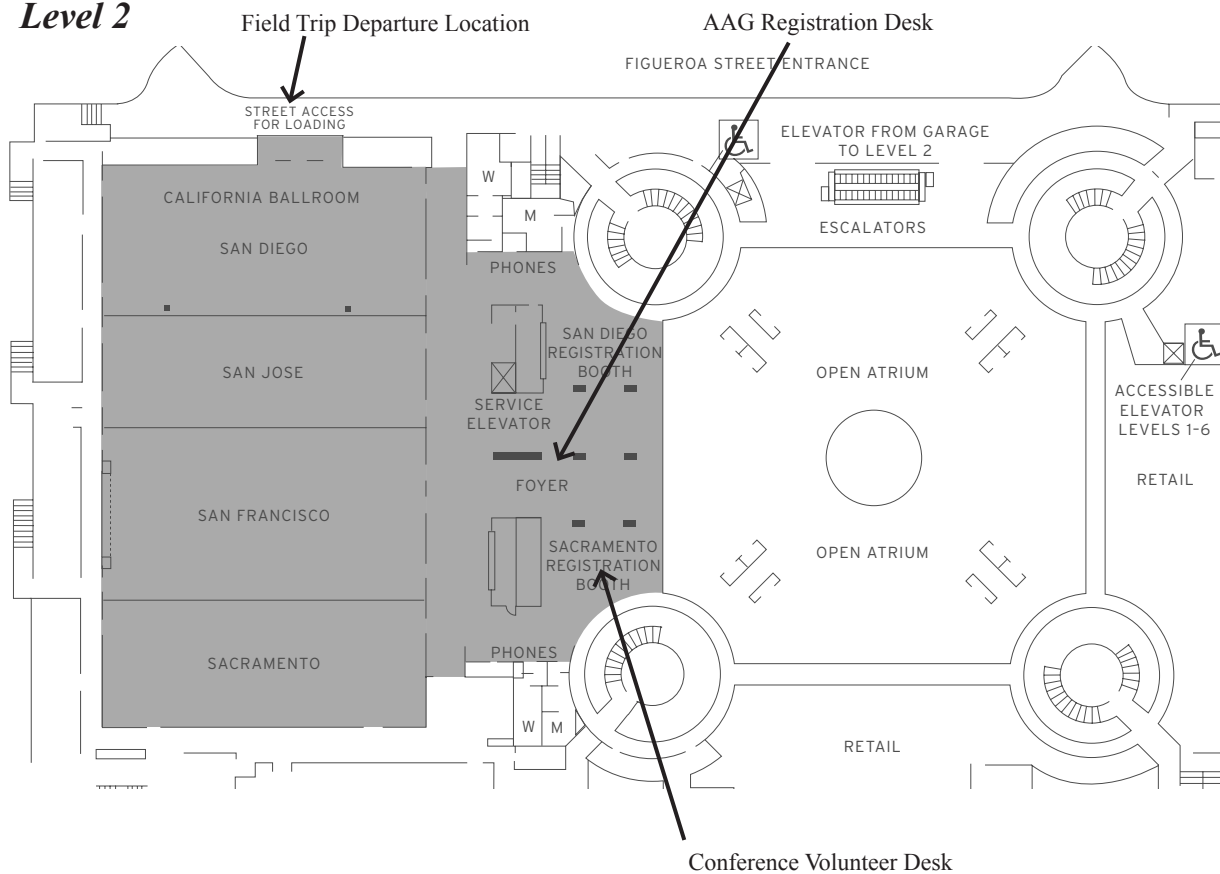
Lobby Level



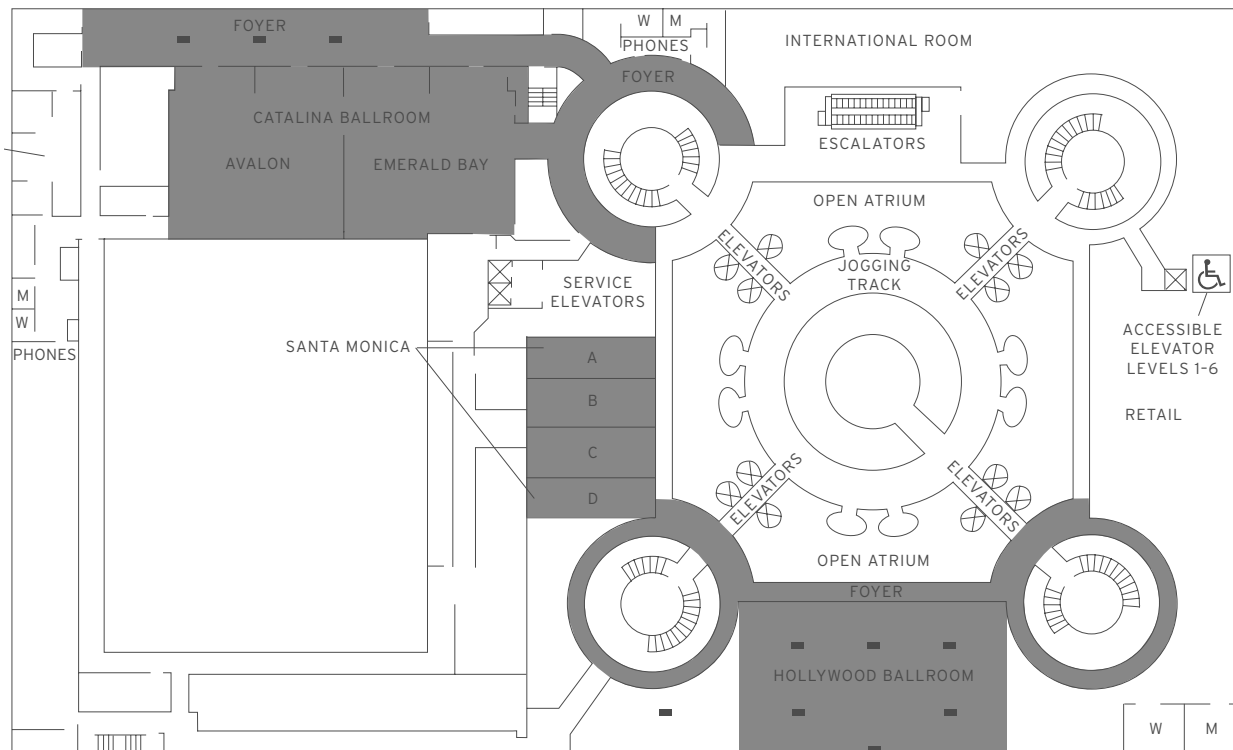
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Level 2 and Level 3

Level 2



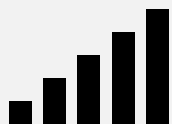
Level 3



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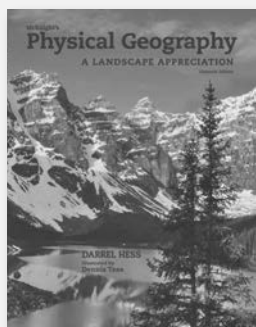
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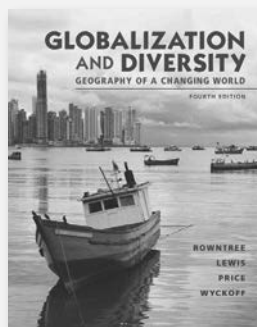
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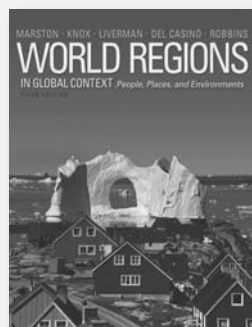
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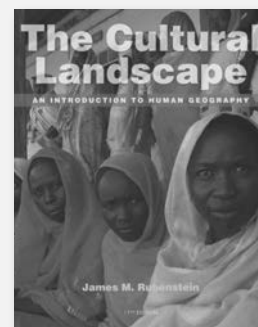
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THE LA HOTEL

Level 2

See pages 82-83 for the Key to Room Numbers and Session Numbers.

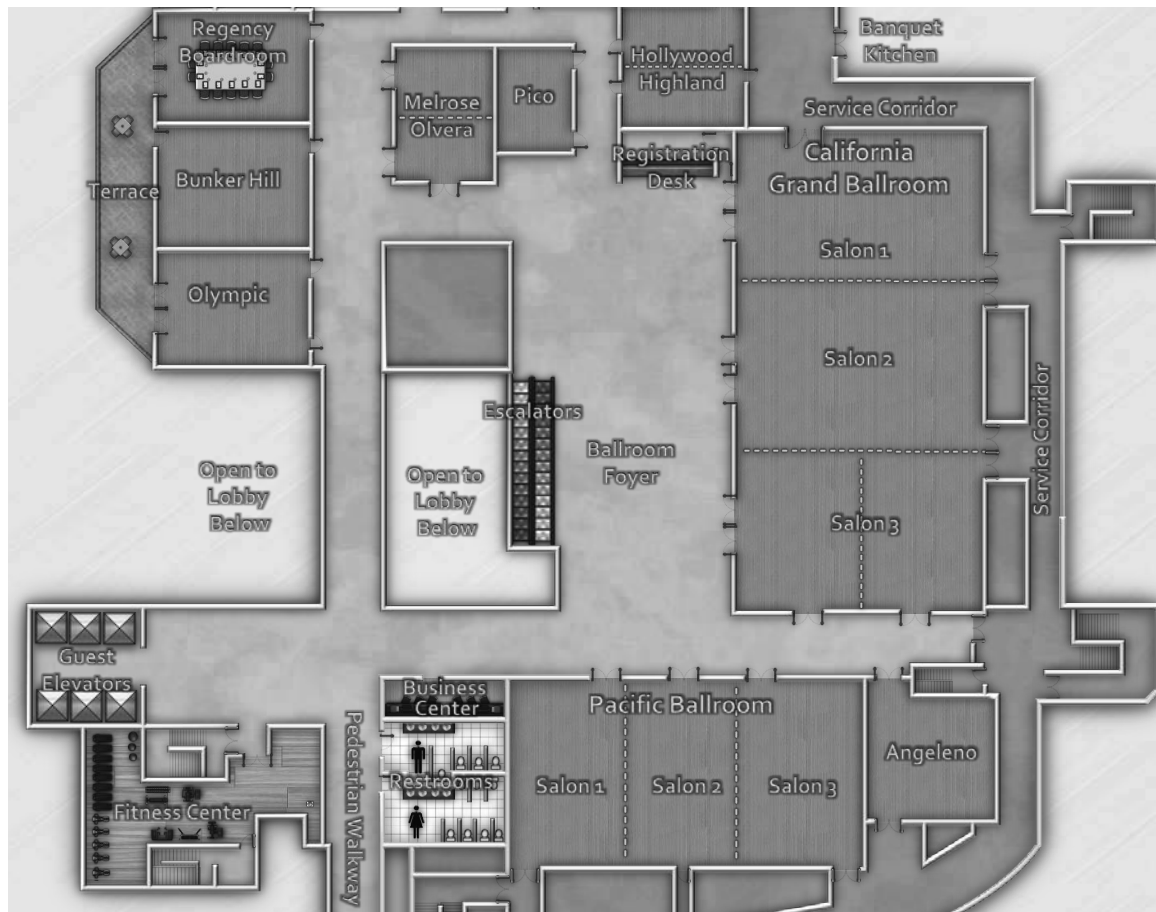
Rooms by Level:

LEVEL 2

Room Name	Session Room Code#
Angeleno	50
Bunker Hill	51
Grand Ballroom Salon 1	52
Grand Ballroom Salon 2	53
Grand Ballroom Salon 3	54
Grand Ballroom Salon 4	55
Highland	56
Hollywood	57
Melrose	58
Olvera	59
Olympic	60
Pacific Ballroom Salon 1	61
Pacific Ballroom Salon 2	62
Pacific Ballroom Salon 3	63
Pico	64
Regency Boardroom	not numbered

Rooms Alphabetically:

Room Name	Session Room Code#	Location
Angeleno	50	Level 2
Bunker Hill	51	Level 2
Grand Ballroom Salon 1	52	Level 2
Grand Ballroom Salon 2	53	Level 2
Grand Ballroom Salon 3	54	Level 2
Grand Ballroom Salon 4	55	Level 2
Highland	56	Level 2
Hollywood	57	Level 2
Melrose	58	Level 2
Olvera	59	Level 2
Olympic	60	Level 2
Pacific Ballroom Salon 1	61	Level 2
Pacific Ballroom Salon 2	62	Level 2
Pacific Ballroom Salon 3	63	Level 2
Pico	64	Level 2
Regency Boardroom	not numbered	Level 2



THE BILTMORE HOTEL

Location of Meeting Rooms

See pages 82-83 for the Key to Room Numbers and Session Numbers.

Rooms by Level:

LOBBY LEVEL

Room Name	Session Room Code#
Bernard's	71
Crystal Ballroom	81
Heinsbergen	77

MEZZANINE LEVEL

Room Name	Session Room Code#
Athenian	70
Cordoban	72
Corinthian	73
Corsican	74
Florentine	75
Grecian	76
Mediterranean	78
Moroccan	79
Roman	80

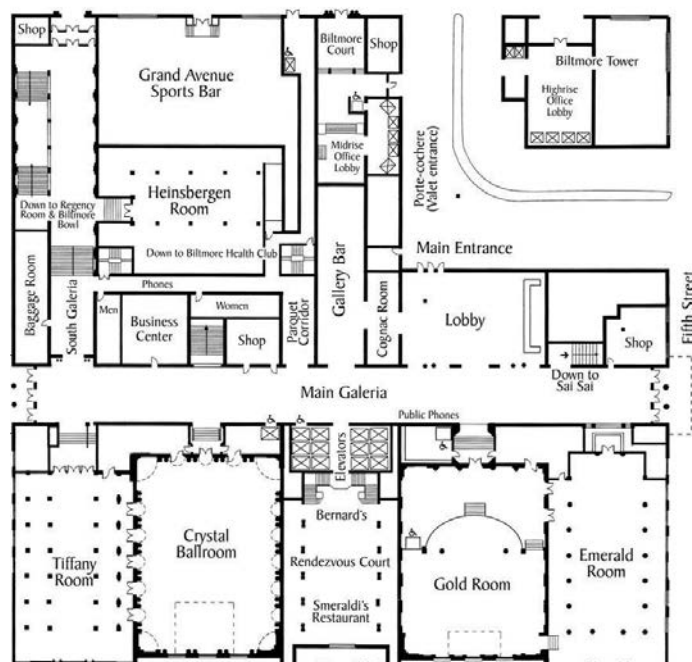
11th FLOOR

Room Name	Session Room Code#
11th Floor Board Room A	not numbered
11th Floor Board Room B	not numbered

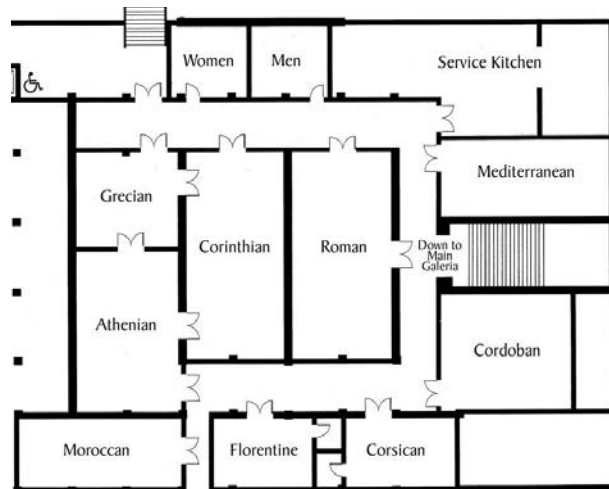
Rooms Alphabetically:

Room Name	Session Room Code#	Location
11th Floor Board Room A	n/a	11th Floor
11th Floor Board Room B	n/a	11th Floor
Athenian	70	Mezzanine Level
Bernard's	71	Lobby Level
Cordoban	72	Mezzanine Level
Corinthian	73	Mezzanine Level
Corsican	74	Mezzanine Level
Crystal Ballroom	81	Lobby Level
Florentine	75	Mezzanine Level
Grecian	76	Mezzanine Level
Heinsbergen	77	Lobby Level
Mediterranean	78	Mezzanine Level
Moroccan	79	Mezzanine Level
Roman	80	Mezzanine Level

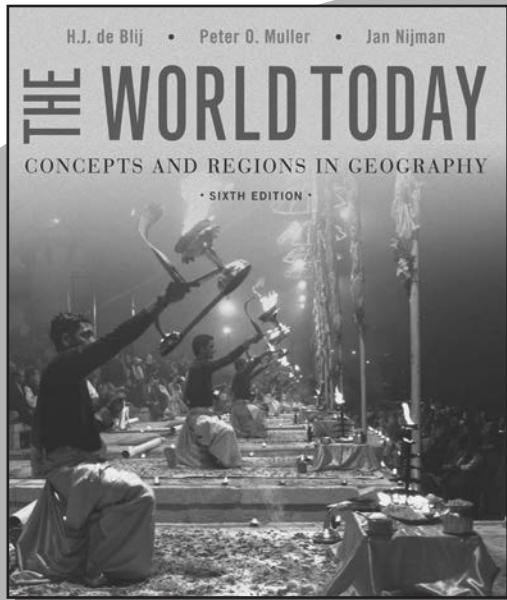
Lobby Level



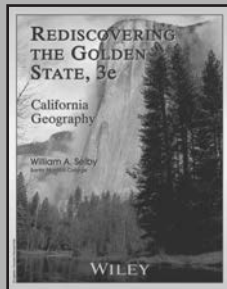
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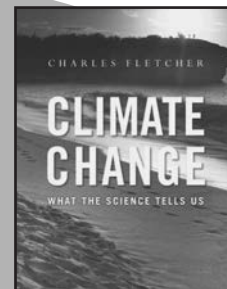
NEW Geography Titles from Wiley



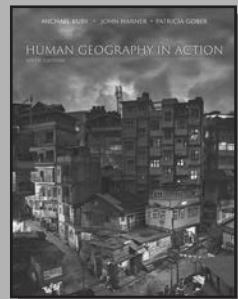
The World Today: Concepts and Regions in Geography, 6th Edition
H.J. de Blij, Peter O. Muller, Jan Nijman
ISBN: 978-1-118-41159-9 • 2013



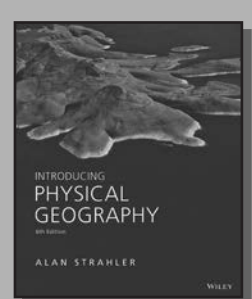
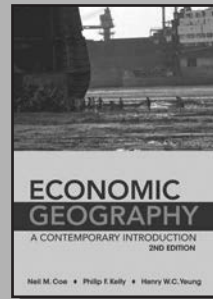
Rediscovering the Golden State: California Geography, 3rd Edition
William A. Selby
ISBN: 978-1-118-45204-2 • 2013



Climate Change: What the Science Tells Us
Charles Fletcher
ISBN: 978-1-118-05753-7 • 2012



Economic Geography: A Contemporary Introduction, 2nd Edition
Neil Coe, Philip Kelly, Henry W.C. Yeung
ISBN: 978-0-470-94338-0 • 2013



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Alan H. Strahler
ISBN: 978-1-118-39620-9 • 2013

Human Geography in Action, 6th Edition
Michael Kuby, John Harner, Patricia Gober
ISBN: 978-1-118-42257-1 • 2013

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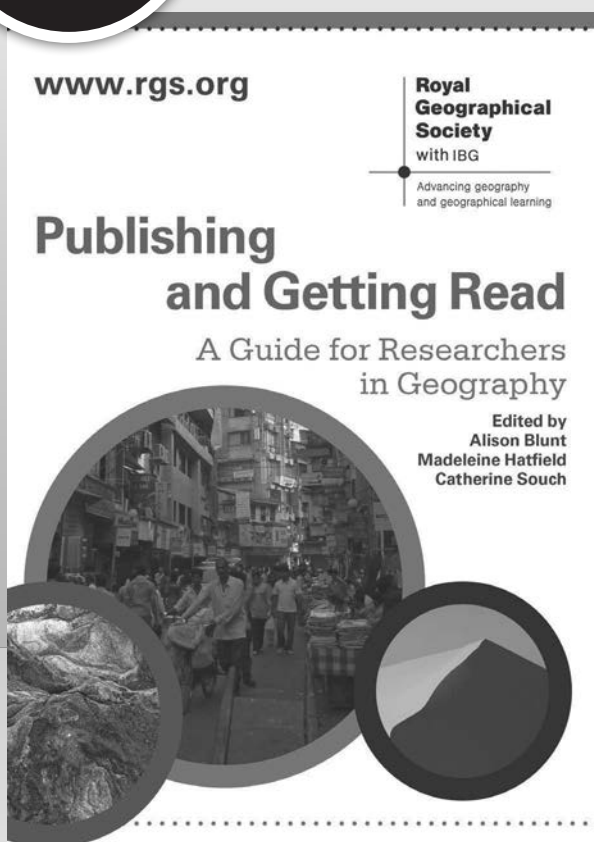
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PLENARY SESSIONS AND SPECIAL EVENTS

TUESDAY, APRIL 9

AAG OPENING SESSION

Tuesday, April 9, 6:30 p.m. - 8:00 p.m.

Room: *San Francisco, Westin, Level 2*

Welcoming remarks:

Douglas Richardson, AAG Executive Director

Eric Sheppard, AAG President, University of California, Los Angeles

Presidential Plenary: Emerging Asias

Organizer: **Eric Sheppard**, AAG President, University of California, Los Angeles

Speakers: **Ananya Roy**, University of California, Berkeley

Fulong Wu, University College London

Anna L. Tsing, University of California, Santa Cruz

Jim Glassman, University of British Columbia

The 2013 Presidential Plenary seeks to draw members' attention to the remarkable geopolitical and geoeconomic changes underway on that continent and their implications. With the AAG Annual Meeting now the global meeting place for geographers, this occasion of meeting in the US' most Asian metropolis, on the Pacific Rim, is singularly appropriate for such a discussion.

Describing the thought behind his choice of a title, **Sheppard** indicates that he uses the term "emergence" in a more conceptual sense, as has been articulated in both complexity theory and philosophy: Emergence refers to how a phenomenon, as it changes, exhibits novel features that cannot be predicted from its previous state. Obviously, novel features need not be positive, and this is certainly the case for some Asias.

The plural in **Emerging Asias** is deliberate: 'Asia' is a vast land mass characterized by enormously diverse biophysical systems, landscapes, languages, cultures, identities, politics and economies. On the one hand are the Asias of spectacular dynamism, wealth creation and emergent political power; yet there also are the Asias inhabited and made by those whose labor makes such spectacles possible. They may cohabit the same place, but with very different connectivities and livelihood prospects. Different Asias are entwined with one another and with other regionalized dynamics. The various Asias stretch around, across and through one another, dialectically entangling the emergent places, networks and scales through which they are constituted. Yet they also long have been complexly co-implicated with variegated and emergent Europes, Americas, Africas and Oceans that they co-evolved with.

For this plenary, **Sheppard** has chosen to concentrate on south, southeast and east Asia, and on political and economic changes. The plenary session speakers are prominent Asia specialists in their own right, but also have close personal connections with various sub-regions.

WEDNESDAY, APRIL 10

AAG Department Chairs' Symposium Promoting Diversity in Geography: Strategies to Improve Inclusion, Broaden Participation, and Assess Actions

Wednesday, April 10, 8:00 a.m. - 11:40 a.m.

Room: *Avalon, Westin, Level 3*

Organizers: **Ken Foote**, University of Colorado at Boulder

Patricia Solís, AAG Director of Outreach and Strategic Initiatives

Diversity will be considered broadly to include gender, race, ethnicity, sexual orientation, (dis)abilities, and other dimensions of inclusion. Topics will include recruitment and retention of undergraduates, graduates, and faculty who are underrepresented in the discipline or in the institutions of the participants. Participants will share experiences in developing and implementing departmental diversity plans, integrating diversity goals within strategic plans, and incorporating diversity into program assessments.

Although the chairs' symposia are offered as a means of providing time for department leaders to meet and share strategies during the annual meeting, the symposium is open to ALL geographers wishing to participate. The session is particularly well suited for individuals who may soon assume leadership positions and would like to network with other chairs and leaders.

AAG Department Chairs' Luncheon

Wednesday, April 10, 12:00 p.m. - 2:00 p.m.

Room: *Avalon, Westin, Level 3*

Chair: **Julie Winkler**, Michigan State University

The Department Chairs' Luncheon Meeting immediately follows the Department Chairs' Symposium. Chaired by AAG Vice President Julie Winkler, this meeting is open only to existing or incoming Department or Program Chairs. There is a \$35 registration fee to cover a meal during the Chairs' Luncheon Meeting. Please see the AAG Registration Desk, if you wish to sign-up to attend this event.

PLENARY SESSIONS AND SPECIAL EVENTS

Jack Dangermond Lunchtime Plenary:

GIS as a Platform: Leveraging the Cloud/Device Pattern

Wednesday, April 10, 11:50 a.m. - 12:30 p.m.

Room: *San Francisco, Westin, Level 2*

Welcoming remarks: **Eric Sheppard**, AAG President, University of California, Los Angeles

Speakers: **Jack Dangermond**, Esri
Bernie Szukalski, Esri

AAG Specialty and Affinity Group Chairs' Meeting

Wednesday, April 10, 11:50 a.m. - 12:40 p.m.

Room: *Emerald Bay, Westin, Level 3*

(light lunch will be provided)

A follow-on session will be held in the same room from 12:40 p.m. - 2:20 p.m.

Young Leaders Mapping Sustainable Development Challenges: My Community, Our Earth Beyond Rio+20 Poster Session & AAG Diversity Ambassadors Networking Reception

Wednesday, April 10, 2:40 p.m. - 6:20 p.m.

Room: *San Diego Ballroom, Westin, Level 2*

Celebrate youth leadership in geography showcasing work on sustainability themes done by or with students on every continent. Meet with international students abroad and make your mark with participatory community art. Stay for the networking reception and toast the AAG Diversity Ambassadors in recognition of their leadership and mentoring in the discipline (Sessions 2521 and 2621).

The 2013 Antipode Lecture: 'Climate Violence Now'

Wednesday, April 10, 4:40 p.m. - 6:20 p.m.

Room: *Emerald Bay, Westin, Level 3* (Paper Session)

Organizers: **Sharad Chari**; **Nik Heynen**, University of Georgia
Speaker: **Christian Parenti**, PhD*, School For International Training

Author Meets Critics: Robert J. Sampson's *Great American City: Chicago and the Enduring Neighborhood Effect*

Wednesday, April 10, 4:40 p.m. - 6:20 p.m.

Room: *Hollywood Ballroom, Westin, Level 3*

Welcoming remarks: **Douglas Richardson**, AAG Executive Director

Introduction: **James Dunn**, McMaster University

Speaker: **Robert J. Sampson**, Harvard University

Panelists: **Luc Anselin**, Arizona State University

Michael Dear, University of California, Berkeley

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

Elvin Wyly, University of British Columbia

For over fifty years numerous public intellectuals and social theorists have insisted that community is dead. Some would have us believe that we act solely as individuals choosing our own fates regardless of our surroundings, while other theories place us at the mercy of global forces beyond our control. These two perspectives dominate contemporary views of society, but by rejecting the importance of place they are both deeply flawed. Based on one of the most ambitious studies in the history of social science, *Great American City* argues that communities still matter because life is decisively shaped by where you live.

To demonstrate the powerfully enduring impact of place, **Robert J. Sampson** presents here the fruits of over a decade's research in Chicago combined with his own unique personal observations about life in the city, from Cabrini Green to Trump Tower and Millennium Park to the Robert Taylor Homes.

Following in the influential tradition of the Chicago School of urban studies but updated for the twenty-first century, *Great American City* is at once a landmark research project, a commanding argument for a new theory of social life, and the story of an iconic city.

This session will include a book signing with the author.

PLENARY SESSIONS AND SPECIAL EVENTS

Jared Diamond and Charles Mann to Discuss Their New Books at AAG Annual Meeting

Wednesday, April 10, 6:45 p.m. - 8:00 p.m.

Room: San Francisco, Westin, Level 2

Welcoming remarks: **Eric Sheppard**, AAG President, University of California, Los Angeles

Moderator: **Kent Mathewson**, Louisiana State University

Jared Diamond and Charles Mann will speak on their most recent books in a special session at the AAG Annual Meeting in Los Angeles at 6:45 p.m. on Wednesday, April 10, 2013. This session is hosted by the AAG and its new publication, *The AAG Review of Books*.

In his latest book, *The World Until Yesterday: What Can We Learn From Traditional Societies?*, **Jared Diamond** examines how traditional societies have lived, and asks if their different approaches to living can inform the Western world today.

Charles Mann provided a new understanding of life in the Americas before Columbus arrived in his book *1491: New Revelations of the Americas before Columbus*. In his new book, *1492: Uncovering the New World Columbus Created*, Mann follows up on the post-Colombian Americas and shows how European settlements there shaped the world through a network of ecological and economic exchange.

Over the past two decades, these two writers have reached out to put cultural and historical geography's perennial questions and current salience before a mass readership and media public. In addition to discussing their most recent books, Diamond and Mann will also address the challenges and rewards of weaving multiple strands of disparate findings and data from geography's historical and human-environmental sectors to produce "big picture" projections while at the same time presenting a fascinating array of specific cases.

Their interests intersect in multiple ways, but as their recent work demonstrates, they have been signally effective in focusing attention on the nature of indigenous and traditional societies and their confrontations and accommodations with a modernizing world over the past five or so centuries.

Both authors will be available to answer audience questions and sign books following their presentations.

AAG INTERNATIONAL RECEPTION

Wednesday, April 10, 7:45 p.m. - 9:45 p.m.

Room: San Jose, Westin, Level 2

This reception is an opportunity to see old friends and meet colleagues at the outset of the AAG Annual Meeting. Free drink ticket provided in your registration packet.

THURSDAY, APRIL 11

Michael T. Jones Lunchtime Plenary: The Universal Geography

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

Room: San Francisco, Westin, Level 2

Welcoming remarks: **Candida Mannozi**, AAG Senior Manager for Program Development

Speaker: **Michael T. Jones**, Google

The 138 years since Elisée Reclus published *A Universal Geography* have seen continuous expansion on the meaning of 'universal' in geographic knowledge. **Michael T. Jones** will use his experience in one major expansion--the spread of Google Earth imagery and Google Maps vectors to more than a billion monthly users--as the basis to anticipate the next major change, which is well underway yet subtle and perhaps as yet unrecognized.

Michael Dear Lunchtime Plenary and Book Signing: Why Walls Won't Work: Repairing the US-Mexico Divide

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

Room: Avalon, Westin, Level 3

Welcoming remarks: **Douglas Richardson**, AAG Executive Director

Speaker: **Michael Dear**, University of California, Berkeley

When thinking about the border separating the US from Mexico, what typically comes to mind is an unwelcoming zone with violent, poverty-ridden towns, and an increasingly militarized network of barriers and surveillance systems on the other. It was not always this way. In this sweeping account of life within the US-Mexican border zone, urbanist and geographer **Michael Dear** traces the border's long history of cultural interactions. Dear warns that this vibrant zone is in danger of fading away because of restrictive policies on the American side and violence on the Mexican side of the border.

This plenary will include a Q&A period and a book signing with the author.

2013 IJURR Lecture: The Secret Discourse Between Sustainability and Slum Urbanism (Sponsored by Global Urbanization)

Thursday, April 11, 4:40 p.m. - 6:20 p.m.

Room: Grand Ballroom Salon 4, The LA Hotel, Level 2

Introduction: **Julie-Anne Boudreau**, INRS-Montreal

Panelist: **Edgar Pieterse**, African Centre for Cities, University of Cape Town

PLENARY SESSIONS AND SPECIAL EVENTS

AAG PAST PRESIDENT'S ADDRESS

Dialectica Interrupta: The Idea of 'Race' in the Discipline of Geography

Thursday, April 11, 6:30 p.m. - 7:30 p.m.

Room: Sacramento, Westin, Level 2

Opening remarks: **Douglas Richardson**, AAG Executive Director

Introduction: **Eric Sheppard**, AAG President, University of California, Los Angeles

Speaker: **Audrey Kobayashi**, AAG Past President, Queen's University

AAG Presidential Achievement Awardee: **Bobby Wilson**, University of Alabama

Audrey Kobayashi's past president's address will focus on race and explore Ellsworth Huntington's 1924 speculation on environmental determinism, as well as Harold Rose's 1969 "Geographies of Despair."

Kobayashi will begin by making a case for the study of the history of the geography as a basis for understanding the social project that is our discipline, including the content and perspectives of geographical knowledge, and the potential for change that is geography's future. The concept of race has been one of the most significant drivers of the geographical imagination, starting with Immanuel Kant in the 1750s. Environmentalism, now largely discredited but a major perspective during the first half of the 20th century, arose in part from geography's deeply racialized and colonial past.

Kobayashi will trace the concept of race through American geography, focusing on articles published in the *Annals of the AAG*, and particularly on the presidential addresses customarily published in the first issue of the journal each year following the term of office of an AAG president. Ellsworth Huntington's "Geography and Natural Selection: A Preliminary Study of the Origin and Development of Racial Character," is widely viewed as the most extreme statement of racial science; and Harold Rose's "The Geography of Despair," is viewed as the first overtly anti-racist statement made from the presidential podium. Both reflect currents of thought and controversy that guided the discipline at specific times, and both are part of the larger social and intellectual context. The fact that these two men, and all of the AAG Presidents before and since, made a choice of both topic and ideological perspective is an important part of our disciplinary legacy.

Just as significant are the intellectual silences and the axiomatic taken-for-granted that mark the slow transformation of the race idea over the course of the 20th century. Defined as a force of nature, an independent variable, a derivative of class, a cultural figment, or, more recently, a social construction, the idea has both exemplified and shaped much of the ideological framework of our discipline, sometimes explicitly but more often implicitly. The politics of racial geography nonetheless reflect a larger intellectual context in which the discipline has

emerged. And what of the future of geography? Has attention to the race concept over the past two decades resulted in forging new directions that will help to change, or at least to understand, the variable circumstances of human life, or will it be cast aside as new ideas enter our intellectual, and ideological horizons? Perhaps some speculation on such questions is in order.

The AAG Past President will also confer the *AAG Presidential Achievement Award* upon **Bobby Wilson** of the University of Alabama, for his career-long dedication to anti-racist scholarship in geography, as well as for his mentorship to many students and for the example he has set for colleagues throughout his career.

FRIDAY, APRIL 12

***A New Map of Standardized Terrestrial Ecosystems of Africa*, Roger Sayre, USGS**

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

Room: San Francisco, Westin, Level 2

Welcoming remarks: **Douglas Richardson**, AAG Executive Director

Speaker: **Roger Sayre**, U.S. Geological Survey

Discussant: **Isaac Luginaah**, Western University

You are invited to learn more about this extraordinary set of new African maps, published by the AAG as a full-color special supplement for the *African Geographical Review*. This booklet is the result of the efforts of a team of African and US scientists, who have created a completely updated *New Map of Standardized Terrestrial Ecosystems of Africa*. This special full-color booklet showcases their work in a series of beautiful new continental maps.

Geography for Life: National Geography Standards, Second Edition; A Panel Discussion with Gilbert M. Grosvenor

Friday, April 12, 4:40 p.m. - 6:20 p.m.

Room: San Bernardino, Westin, Lobby Level

Welcoming remarks: **Douglas Richardson**, AAG Executive Director

Introduction: **Robert E. Dulli**, National Geographic Society

Speakers: **Gilbert M. Grosvenor**, National Geographic Society

Susan Gallagher Heffron, Association of American Geographers

Robert Morrill, Virginia Geographic Alliance

A panel discussion of *Geography for Life* (the 2nd Edition of the National Geography Standards) will include remarks by **Gilbert M. Grosvenor**, former Chairman of the National

PLENARY SESSIONS AND SPECIAL EVENTS

Geographic Society (NGS). *Geography for Life* was released in 2012 and was developed by the Geography Education National Implementation Project on behalf of the AAG, AGS, NCGE, and NGS.

Mr. Gilbert M. Grosvenor of the National Geographic Society, Dr. Susan Heffron, Co-editor, and Dr. Robert Morrill, Reviewing Editor of the second edition of *Geography for Life*, will share insights on the role of national geography standards in US education. This panel will explore the role of the national geography standards in guiding the development of curriculum, instructional materials, assessments, and policy in K-12 education.

SATURDAY, APRIL 13

Tools for Spatial Learning

Saturday, April 13, 8:00 a.m. - 9:40 a.m.

Room: *San Bernardino, Westin, Lobby Level*

Organizer: **David DiBiase**, Esri

Speakers: **Sean O'Connor**, National Geographic Education

Jennifer N. Swift, University of Southern California

Patrick Kennelly, LIU Post

Kiichi Takeuchi, LIU

Vic DiVenere, LIU Post

Lillian Tanguay-Hess, LIU Post

David DiBiase, Esri

AAG AWARDS LUNCHEON

Saturday, April 13, 11:50 a.m. - 2:00 p.m.

Room: *Crystal Ballroom, Biltmore, Lobby Level*

Join colleagues and friends in honoring recipients of AAG Honors and other awards and prizes. The Awards Luncheon will be held on Saturday, April 13 in the Crystal Ballroom of The Biltmore Hotel from 11:50 a.m. - 2:00 p.m.

The following Honors will be presented:

AAG Lifetime Achievement Honors
Sallie Marston, University of Arizona

AAG Lifetime Achievement Honors
Edward Soja, University of California, Los Angeles

AAG Distinguished Scholarship Honors
Judy Carney, University of California, Los Angeles

AAG Distinguished Scholarship Honors
John O'Loughlin, University of Colorado at Boulder

AAG Gilbert Grosvenor Honors for Geographic Education
Gwenda Rice, Western Oregon University

AAG Ronald F. Abler Distinguished Service Honors
Ruth Shirey, Indiana University

AAG Distinguished Teaching Honors
Dawn Wright, Esri and Oregon State University

AAG Gilbert White Public Service Honors
Thelma Glass, Alabama State University (posthumous award)

AAG Media Achievement Award
William Moseley, Macalester College

In addition to AAG Honors, the Burrill Award, Nystrom Award, AAG Enhancing Diversity Award, Harold M. Rose Award for Anti-Racism in Research and Practice, AAG Stanley Brunn Award for Creativity in Geography, AAG Globe and Meridian Book Awards, 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:

John S. Adams	William E. Grugin
Marvin Baker, Jr.	Truman A. Hartshorn
Paul R. Baumann	Donald Janelle
Ruth C. Bergman	C. Gregory Knight
Stephen S. Birdsall	David R. Lee
Lawrence A. Brown	Jonathan J. Lu
Catherine B. Carlston	Peter O. Muller
Kevin R. Cox	James L. Newman
John Dietz	Richard L. Nostrand
Mark M. Domowne	Wallace E. Reed
Wakefield Dort, Jr.	Donald A. Schuder
Roy J. Fletcher	Barry M. Steinberg
Susan Forbes	Bryan Thompson
Peter Goheen	

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

AAG BUSINESS MEETING

Saturday, April 13, 2:30 p.m. - 3:40 p.m.

Room: *Corinthian, Biltmore, Mezzanine Level*

The AAG's annual Business Meeting will be held in the Corinthian Room of the Biltmore Hotel, on Saturday, April 13, from 2:30 p.m. - 3:40 p.m. AAG officers will present their annual reports. All are welcome to attend.

YOU ARE INVITED TO ATTEND

Celebrate with the Year's Honorees at the AAG Awards Luncheon

Saturday, April 13, 2013, 11:50 a.m. to 2 p.m.
Crystal Ballroom, Biltmore

Join colleagues and friends for the AAG Awards Luncheon on Apr. 13 to celebrate and congratulate the recipients of the AAG Honors for their lifetime achievements and accomplishments in scholarship, service, publishing, and education. Several other awards also will be presented during the luncheon. They include: the AAG annual book awards, Burrill Award, Miller Award, Nystrom Award, AAG Globe and Meridian Book Awards, AAG Enhancing Diversity Award, Specialty Group Awards, and many other awards. Members who have held 50 years of continuous membership will be recognized for their enduring support and contributions to the Association.

Individual seats for the luncheon are only \$55, including service and tax. Tables for parties of ten can also be purchased for \$495.

GET YOUR TICKETS AT THE AAG ON-SITE REGISTRATION DESK

On the Menu

- **Appetizer:** Farmers Market Salad (Farm Fresh Leafy Greens and Fresh Seasonal Vegetables with Aged White Balsamic Dressing)
- **Entrée** (vegetarian available upon request): Pan-Seared Scottish Salmon with Orange Fennel Sauce with Mushroom, Tomato, and Lemon Risotto
- **Dessert:** Apple Brown Butter Tart (Apples Caramelized in Brown Butter in an Almond Tart with Thyme Caramel Sauce)

Non-Alcoholic beverages and wine upon request.



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SPECIAL SESSION TRACKS

Global Urbanization and Symposium on New Geographies of Urban China

The 2013 AAG Annual Meeting in Los Angeles will feature a special set of more than 70 sessions exploring new research and practice on global urbanization. In the 21st century, the center of gravity of urbanization has relocated decidedly into the global South. Asia and Africa, in particular, are experiencing unprecedented rates of urban change, shaped by, and shaping, global processes and policy agendas. The urbanization of poverty has been a central aspect of these changes, as circular rural-urban migration, low wage manufacturing and informal economies, settlements, and urban politics accompany the emergence of a powerful, consumption-oriented urban middle class.

With the AAG Annual Meeting now the global meeting place for geographers and this occasion of meeting in one of the most Asian metropolitan areas of the U.S., this session track will feature **Eric Sheppard's** 2013 presidential plenary session. The session will address the remarkable geopolitical and geoeconomic changes underway across the globe, particularly in the context of "Emerging Asias." This title references three aspects of Asia today: Its rapid (re)emergence as a center of the global economy; its enormous diversity as a region (Asia being a European geopolitical construct designating the land masses east of Europe, rather than a homogeneous region); and, within the heterogeneous sub-regions of Asia, the expanding differences in the livelihood possibilities of those who have come to live prosperously and those who live precariously. The presidential plenary is scheduled on Tuesday, April 9, from 6:30 p.m. - 8:00 p.m. in San Francisco, Westin, Level 2.

In connection with the Global Urbanization track and the rapid changes that are taking place in China, a special "Symposium on the New Geographies of Urban China" has also been organized as part of the AAG Annual Meeting. Relational understanding of space and the "new mobilities paradigm" that emerged in the past decade or so have helped generate much new insight on many phenomena of interest to geographers. Informed by this mobilities/relational turn, organizers of this symposium suggest that a fruitful direction for future research on urban China is one that is attentive to mobility, movement, flow, travel, and other relational transactions in space-time that shape or transform the urban fabric of China, while remaining cognizant of the particularities of China's social, political, cultural, economic, and institutional context. As the complex interactions among individual urban actors/agents have considerable potential to bring forth drastic or unexpected emergent shifts, new conceptualizations and analytical methods capable of addressing these changes in fine spatial and temporal scales are needed. This Symposium includes an additional 30 sessions, linked to the Global Urbanization track, that are scheduled from Monday through Saturday.

Session Numbers in the Global Urbanization track: 1110, 1145, 1210, 1227, 1271, 1273, 1410, 1427, 1510, 1527, 1574, 1610, 1627, 1674, 2110, 2146, 2175, 2254, 2279, 2420, 2443, 2451, 2551, 2572, 2579, 2609, 2643, 2651, 2679, 3103, 3104, 3150, 3203, 3204, 3436, 3450, 3536, 3538, 3560, 3574, 3629, 3636, 3638, 3655, 3660, 4118, 4137, 4144, 4171, 4218, 4237, 4271, 4405, 4418, 4430, 4434, 4437, 4530, 4534, 4553, 4605, 4634, 5129, 5135, 5171, 5235, 5271, 5462, 5471, 5526, 5547

Session Numbers in the Symposium on the New Geographies of Urban China: 1135, 1146, 1434, 1543, 1635, 2142, 2242, 2405, 2614, 2662, 3119, 3219, 3419, 3441, 3519, 3534, 3619, 4119, 4138, 4219, 4238, 4419, 4512, 4519, 4645, 5154, 5180, 5280, 5480, 5580

A schedule of sessions in these tracks is available at <http://www.aag.org/AM2013/GlobalUrbanization>.

Climate Change, Variability, Adaptation and Justice

Climate change research continues to be a key interdisciplinary research priority for human and physical geographers. In this special session track for the Los Angeles AAG meeting, over 40 sessions will run from Tuesday through Saturday, examining the latest research on global climate change and variability. Examples of session topics include the impacts of warming in the Arctic region and in the highlands regions of Asia, conflict risks associated with climate engineering, connections between climate change and extreme events, climate science for cities, climate change and religion, developments in climate change modeling (such as down-scaling), the impact of climate change on indigenous communities, the USGS Climate and Land Use Change Research and Development Program, and more. The My Community, Our Earth (MyCOE) partnership has also organized a poster session to celebrate more than ten years of youth leadership and projects focused on climate change and other sustainable development themes and building on Rio+20 (United Nations Conference on Sustainable Development).

Session Numbers in this track: 1127, 1136, 1236, 1246, 1418, 1446, 1509, 1518, 1618, 1639, 2121, 2125, 2270, 2439, 2472, 2521, 2537, 2539, 2637, 2670, 3101, 3157, 3245, 3256, 3257, 3456, 3556, 3558, 3656, 3658, 4108, 4130, 4230, 4255, 4452, 4462, 4526, 4605, 4651, 5123, 5157, 5257, 5455, 5555

A schedule of sessions in this track is available at <http://www.aag.org/AM2013/ClimateChange>.

SPECIAL SESSION TRACKS

Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice

Building on several recent AAG initiatives together with the National Institutes of Health (NIH), a special Symposium has been organized within the AAG Annual Meeting to explore new research frontiers in health and social environments, and also address progress generated by the AAG Initiative for an NIH-wide Geospatial Infrastructure for Health Research. These AAG initiatives have generated an increased awareness by health researchers as well as geographers of the core role that geography and GIScience can play in addressing global health needs, both in research and in practice.

Nearly 40 sessions are running on three concurrent tracks from Wednesday-Friday with presentations by leading medical and health researchers, geographers, and GIScientists. Examples of session topics include health disparities and inequalities, obesity, spatial patterns of drug abuse and treatment, gene-environment interactions, disease ecologies, neighborhood effects on health behaviors and outcomes, geographies of public health policies, spatial analysis and modeling of disease, health care provision, access, and utilization, health and well-being, methodological issues in health research, and more. A day-long series of sessions that focuses on geospatial data confidentiality and data sharing has also been scheduled on Tuesday, April 9 in connection with the Symposium.

The Symposium will begin with the “Opening Plenary on Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice” on Wednesday morning, April 10, at 10:00 a.m. in Hollywood Ballroom, Westin, Level 3. Organized and chaired by AAG Executive Director, **Douglas Richardson**, this plenary will include prominent researchers working at the intersections of health and geography, including **Robert J. Sampson**, **Mei-Po Kwan** and **Robert Kaplan** (invited).

An “Author Meets Critics” session is also organized for **Robert J. Sampson**’s book, *Great American City: Chicago and the Enduring Neighborhood Effect*, on Wednesday, April 10 from 4:40 p.m. - 6:20 p.m. in Hollywood Ballroom, Westin, Level 3.

A concluding plenary “Synthesis, Trends, and Directions for Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice” will be held on Friday, April 12 at 4:40 p.m. in Hollywood Ballroom, Westin, Level 3. **Mei-Po Kwan** will chair this plenary, joined by **Sara McLafferty** and **Mark Rosenberg** to discuss future trends and directions for research and practice, with **David Berrigan**, **Wilson Compton**, and **Bethany Deeds** from NIH.

Session Numbers in this track: 1129, 1229, 1429, 1529, 1629, 2226, 2427, 2428, 2527, 2528, 2529, 2626, 2627, 2628, 3127, 3128, 3129, 3227, 3228, 3229, 3427, 3428, 3429, 3527, 3528, 3529, 3627, 3628, 4127, 4128, 4227, 4228, 4229, 4427, 4428, 4429, 4527, 4528, 4529, 4626 (Symposium posters are included in sessions 3521 and 4521)

A schedule of sessions in this track is available at <http://www.aag.org/AM2013/GIS-Frontiers>.

The Symposium is organized by:

Mei-Po Kwan (University of Illinois, Urbana-Champaign and Utrecht University), Co-Chair
Sara McLafferty (University of Illinois, Urbana-Champaign), Co-Chair
David Balshaw (National Institutes of Health - NIEHS)

Ling Bian (University at Buffalo, State University of New York)
Amy Blatt (Quest Diagnostics)
Kimberly Brouwer (University of California, San Diego)
Bethany Deeds (National Institutes of Health - NIDA)
Martin Dijst (Utrecht University)
Michael Emch (University of North Carolina, Chapel Hill)
Debarhana Ghosh (University of Connecticut)
Mike Goodchild (University of California, Santa Barbara)
Sue Grady (Michigan State University)
Tim Hawthorne (Georgia State University)
Poh Chin Lai (University of Hong Kong)
Jonathan Mayer (University of Washington)
Jean McKendry (Association of American Geographers)
Douglas Richardson (Association of American Geographers)
Mark Rosenberg (Queen’s University)
Gerard Rushton (University of Iowa)
Tim Schwanen (Oxford University)
Zaria Tatalovich (National Institutes of Health - NCI)
Jinfeng Wang (Chinese Academy of Sciences)

Activist Geographies: Struggles for Social and Environmental Justice and Geographies of Hope Symposium

Los Angeles has become known nationwide as a place where diverse social and activist groups and movements have undertaken innovative struggles around such issues as conditions of work, immigration, borders, transportation, prisons and environmental justice. Geographers have long worked closely on, and with, such movements. These times of burgeoning activism in cities worldwide, from the Arab awakening to the Occupy movements, and of academic interest in activist research in and beyond geography, make Los Angeles a particularly appropriate place for a special session track on Activist Geographies: Struggles for Social and Environmental Justice.

More than 50 sessions have been organized around Activist Geographies for the 2013 Annual Meeting and will run from Tuesday through Saturday. Examples of session topics include spatial justice in Los Angeles and Southern California, geography and struggles for peace, online activism and the global political economy of conservation, transforming the university and its relationships to the public, scale and class struggle, new directions for environmental justice research, participatory action research, race and the environment, racialization of space, residential segregation and dispossession, white privilege, a series of sessions to honor the research of Neil Smith, and more.

The Geographies of Hope Symposium presents a series of panels and paper sessions as a type of resurgence of an inspiring panel that took place during the 2011 AAG in Seattle, Washington: “Decolonizing, Healing and Hopeful Geographies: (Re)membering Indigenous Relationships to the World.” Through conversation the collective task was to research, reclaim and reassemble Indigenous relationships to the world through various methodologies: decolonizing knowledge, engaging healing, and forging hopeful geographies for a more just world.

This symposium builds upon this discussion, but is meant to expand into “other” understandings and implications of hope and to intersect with the Activist Geographies track. The geographies of hope symposium is composed of different panel and discussion sessions,

SPECIAL SESSION TRACKS

all with a common thread of addressing geographies of hope, a kind of geography that inevitably addresses both the means-struggles and activism-and the ends-social and environmental justice-of activist geographies. Yet the symposium explores how hope takes place in a multiplicity of scales, is articulated in various dimensions and forms, and is defined in diverse ways, contingent upon the theoretical framework, the positionality and the cosmovision of the researcher.

Session Numbers in the Activist Geographies track: 1112, 1117, 1212, 1217, 1417, 1425, 1525, 1534, 1607, 1625, 1643, 2108, 2122, 2202, 2241, 2244, 2402, 2403, 2435, 2502, 2503, 2535, 2602, 2603, 2624, 2635, 2663, 3105, 3111, 3201, 3205, 3211, 3226, 3401, 3411, 3426, 3501, 3509, 3526, 3601, 3626, 3646, 4126, 4201, 4207, 4222, 4226, 4401, 4406, 4442, 4501, 4544, 4601, 4641, 4657, 5104, 5127, 5204, 5227, 5427, 5444, 5527, 5534

Session Numbers in the Geographies of Hope Symposium: 2202, 2402, 2502, 2602, 2642, 3201, 3401, 3501, 3601, 4201, 4401, 4501, 4601

A schedule of sessions in this track is available at <http://www.aag.org/AM2013/ActivistGeographies>.

Borders

Southern California is an excellent venue for advancing scholarship on political borders and their implications for the places they separate and the connectivities between them: migration, language and culture, water, sovereignty, economies, etc. The US-Mexico border provides a compelling regional focus for this theme. Close to 30 sessions are scheduled under this Borders track and will run from Tuesday through Saturday.

To highlight this track and the Annual Meeting's proximity to Mexico, **Michael Dear** will present a special lunchtime plenary on the topic of "Why Walls Won't Work: Repairing the US-Mexico Divide" on Thursday, April 4 from 11:50 a.m. - 12:30 p.m. in Avalon, Westin, Level 3. Examples of other session topics include geographical research related to the environmental politics of borderland regions, borderlands and identities, spatial politics of border enforcement practices and surveillance, borders in the city, physical barriers and newly securitized spaces, rethinking borders as political economic regions of interest, dynamics of multi-scalar spaces and conflicts, processes of de-bordering and re-bordering, and more.

Session Numbers in this track: 1107, 1134, 1430, 2135, 2150, 2235, 2250, 2450, 2456, 2538, 2550, 2556, 2656, 2679, 3163, 3250, 3324, 3418, 3518, 3618, 4206, 4446, 4546, 4646, 5103, 5203, 5480, 5541

A schedule of sessions in this track is available at <http://www.aag.org/AM2013/Borders>.

Milestones in Geography Education

The Annual Meeting will feature a special set of sessions on K-12 geography education. The first of the four sessions will be held on Wednesday, April 10 and will feature presentations by **Michael Solem**, Director of Educational Affairs, and other staff members about the many *AAG materials and resources developed to promote geography education*. *Wednesday, April 10, 10:00 a.m. - 11:40 a.m., La Cienega, Westin, Lobby Level*.

The remaining sessions will take place on Friday, April 12. A session on policy initiatives will bring together John Wertman from the AAG staff with federal, state, and local officials. The discussion will focus on the success of the *AAG Resolution Supporting K-12 Geography Education*, which has been endorsed by almost 20 governors; more than 20 Fortune 500 companies; and many other key leaders and organizations, and related topics. *Friday, April 12, 12:40 p.m. - 2:20 p.m., San Bernardino, Westin, Lobby Level*

Another session will focus on the *Roadmap for 21st Century Geography Education Project*, funded by a grant from the National Science Foundation, which brought together experts in geography, education, and research from across the U.S. to create a set of landmark reports focusing on key issues for educational improvement. *Friday, April 12, 2:40 p.m. - 4:20 p.m., San Bernardino, Westin, Lobby Level*

A discussion of *Geography for Life* (the 2nd Edition of the National Geography Standards) will feature a panel discussion with **Gilbert M. Grosvenor**, former Chairman of the National Geographic Society (NGS). *Geography for Life* was released in 2012 and was developed by the Geography Education National Implementation Project on behalf of the AAG, AGS, NCGE, and NGS. *Friday, April 12, 4:40 p.m. - 6:20 p.m., San Bernardino, Westin, Lobby Level*

Session Numbers in this track: 2204, 4408, 4508, 4608

A schedule of sessions in this track is available at <http://www.aag.org/AM2013/GeoEd>.

SPECIAL SESSION TRACKS

Additional Session Tracks of Interest

CyberGIS Symposium

CyberGIS - defined as cyberinfrastructure-based GIS - has emerged as a new generation of GIS representing an important research domain within the contexts of both cyberinfrastructure and GIScience while empowering extreme digital transformation of geographic research and education. This symposium includes multiple panels and paper sessions organized to facilitate the sharing of the state of the art and discussions about opportunities and challenges, cutting-edge progress, and major trends and impacts of CyberGIS.

Session Numbers in this track: 1101, 1201, 1401, 1501, 1601, 2118, 2218, 2418, 2518, 2618, 3117, 3217, 3417, 3517, 3617, 4102, 4202, 4402, 4502

Land Systems Science Symposium

Land systems and land change are rapidly growing in importance in both research and policy at local, regional, national and international scales. Advances in understanding the relationships of land with human and environmental systems, developments in measurement and monitoring of change, use of advanced GIS/remote sensing and modelling technologies, the increased availability of datasets, and increasing capability for modeling and analysis of change give opportunities to offer new insights into land systems and the nature of change.

A special symposium focused on research advances and needs in the geographical dimensions of land systems and land change has been organized within the 2013 AAG Annual Meeting in Los Angeles. The symposium will be made up of a series of paper sessions building on a long tradition of research in land use and land cover, and of coupled human and natural systems within geography, the focus provided by the *Journal of Land Use*, and interests of the land change science community.

Session Numbers in this track: 1277, 1477, 1577, 1677, 2177, 2277, 2477, 2577, 2677, 3177, 3277, 3477, 3577, 3677, 4177, 4277, 4477, 4577

Spatiotemporal Thinking, Computing and Applications

Geography evolves within a 4-dimensional (3D space and 1D time) world. An integrative understanding and utilization of all four dimensions would form a new approach to help address many 21st century challenges by providing 1) new methodologies to improve our intelligence, 2) new computing, tools and software to advance relevant technologies, and 3) applications to address 21st century challenges. A spatiotemporally aware and optimized geospatial platform could help develop better WebGIS, CyberGIS, CloudGIS, and next generation GIS solutions. A better understanding of the spatiotemporal linkage among different domains of geography would enable us to address problems that were previously unsolvable.

Following the success of last year's Spatiotemporal Thinking, Computing and Application sessions, a series of 14 paper and panel sessions on STCA have been organized for the Los Angeles AAG Annual Meeting to continue the discussion and to take the first steps toward building a research agenda.

Session Numbers in this track: 3110, 3210, 3410, 3510, 3610, 4110, 4210, 4410, 4510, 4610, 5106, 5206, 5406, 5506

Geographies of Media

A series of 12 sessions examine the geographical implications - social, political, cultural, and economic - often contained within the spaces and places of different forms of media. Geographies of Media extend beyond their original form and text to include the broader industrial and political complex in which culture is an economic commodity set within the broader frame of a global and postmodern era. Geographies of media link these realms and our daily lived experiences, from our cities to streets, from the living rooms to imaginations. These contexts invite inquiries into the production, distribution, exhibition, and consumption of all types of media. The Geographies of Media sessions are supported by *Aether: The Journal of Media Geography* (www.aetherjournal.org).

Session Numbers in this track: 3461, 3561, 3661, 4161, 4261, 4461, 4561, 4661, 5161, 5261, 5461, 5561

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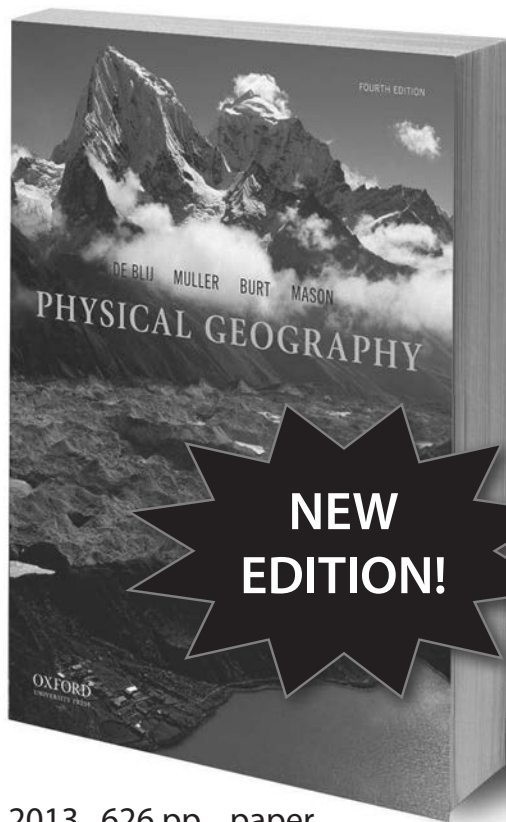
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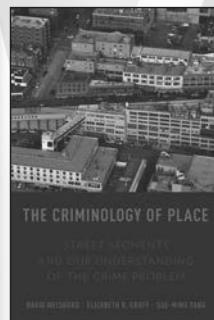
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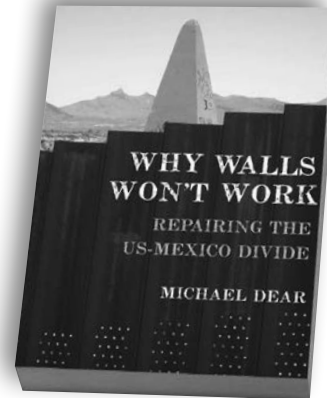
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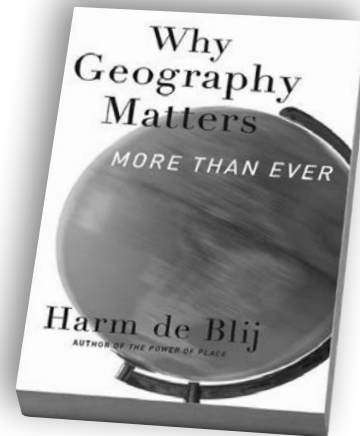
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SPECIALTY GROUP HIGHLIGHTED SESSIONS

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

Animal Geography Specialty Group

2653 Animal Geography: The Next 15 Years (Sponsored by the Animal Geography Specialty Group)

Wednesday, April 10, 4:40 p.m. - 6:20 p.m.

Room: Grand Ballroom Salon 2, The L.A. Hotel, Level 2 (Panel Session)

Bible Geography Specialty Group

4208 Insights into the Fertile Crescent's City Systems, Implications for a Theology of Cities, and the Role of Cities in the Diffusion of Christianity (Sponsored by Bible Geography Specialty Group)

Friday, April 12, 10:00 a.m. - 11:40 a.m.

Room: San Bernardino, Westin, Lobby Level (Paper Session)

China Geography Specialty Group

4519 New Geographies of Urban China VII: Future Directions (Sponsored by China Geography Specialty Group)

Friday, April 12, 2:40 p.m. - 4:20 p.m.

Room: Santa Barbara C, Westin, Lobby Level (Panel Session)

Communication Geography Specialty Group

1418 Who Speaks for the Climate: Author Meets Critics (Sponsored by Communication Geography Specialty Group)

Tuesday, April 9, 12:40 p.m. - 2:20 p.m.

Room: Santa Barbara B, Westin, Lobby Level (Panel Session)

Cultural and Political Ecology Specialty Group

1526 Annual CAPE Plenary Lecture, by Judith Carney (Sponsored by Cultural and Political Ecology Specialty Group)

Tuesday, April 9, 2:40 p.m. - 4:20 p.m.

Room: Hollywood Ballroom, Westin, Level 3 (Panel Session)

Cyberinfrastructure Specialty Group

4473 Knowledge Discovery in Cyberspace and Social Media - Session ONE (Sponsored by Cyberinfrastructure Specialty Group)

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

Room: Corinthian, Biltmore, Mezzanine Level (Paper Session)

European Specialty Group

5557 Asia Emerging in Europe (Sponsored by European Specialty Group)

Saturday, April 13, 4:00 p.m. - 5:40 p.m.

Room: Hollywood, The L.A. Hotel, Level 2 (Paper Session)

Geographic Information Science and Systems Specialty Group

4680 Tobler Lecture (Sponsored by Geographic Information Science and Systems Specialty Group)

Friday, April 12, 4:40 p.m. - 6:20 p.m.

Room: Roman, Biltmore, Mezzanine Level (Panel Session)

Geographies of Food and Agriculture Specialty Group

2520 Community Food Security and Antihunger Approaches in Los Angeles: Voices from the Front Lines (Sponsored by Geographies of Food and Agriculture Specialty Group)

Wednesday, April 10, 2:40 p.m. - 4:20 p.m.

Room: Sacramento, Westin, Level 2 (Panel Session)

SPECIALTY GROUP HIGHLIGHTED SESSIONS

Geography of Religions and Belief Systems Specialty Group

4618 GORABS Annual Lecture: Mapping Significance: A Building-Block Approach (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Friday, April 12, 4:40 p.m. - 6:20 p.m.

Room: Santa Barbara B, Westin, Lobby Level (Panel Session)

Graduate Student Affinity Group

2253 GSAG Plenary Session with Dr. Jason Dittmer: "How graduate school set me up for success/failure" (Sponsored by Graduate Student Affinity Group)

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

Room: Grand Ballroom Salon 2, The L.A. Hotel, Level 2 (Paper Session)

Latin America Specialty Group

2522 Forest, Fallow, Terrace, and Field: Honoring the Contributions of William M. Denevan to the Fields of Cultural and Historical Ecology. (Sponsored by Latin America Specialty Group)

Wednesday, April 10, 2:40 p.m. - 4:20 p.m.

Room: San Francisco, Westin, Level 2 (Paper Session)

Middle East Specialty Group

2175 Assembling Istanbul: Encounters of Bodies and Buildings in a World City (Sponsored by Middle East Specialty Group)

Wednesday, April 10, 8:00 a.m. - 9:40 a.m.

Room: Florentine, Biltmore, Mezzanine Level (Paper Session)

Polar Geography Specialty Group

5426 Politics and Political Economies in the Arctic (Sponsored by Polar Geography Specialty Group)

Saturday, April 13, 2:00 p.m. - 3:40 p.m.

Room: Hollywood Ballroom, Westin, Level 3 (Paper Session)

Stand-Alone Geographers Affinity Group

4539 Surviving and Thriving as a Stand Alone Geographer (SAGE) I (Sponsored by Stand-Alone Geographers Affinity Group)

Friday, April 12, 2:40 p.m. - 4:20 p.m.

Room: Laguna Parlor 3068, Westin, 30th Floor (Panel Session)

Wine Specialty Group

4324 Plenary -- The California Wine Revolution and the World of Wine—47 Years from Take-off (Sponsored by Wine Specialty Group)

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

Room: Avalon, Westin, Level 3 (Panel Session)

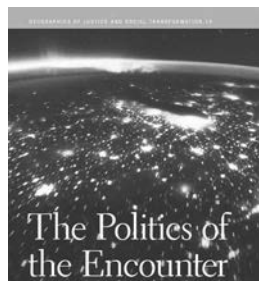
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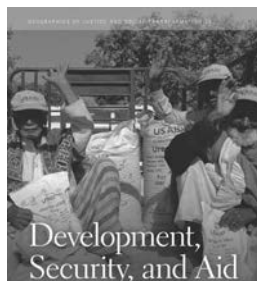


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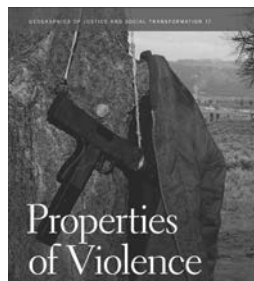


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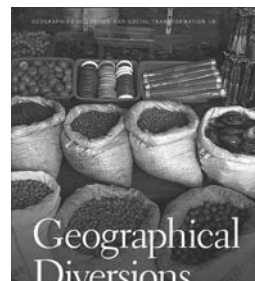


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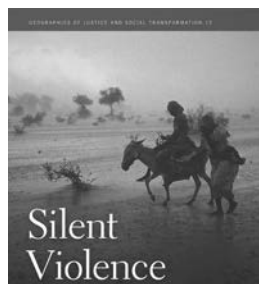


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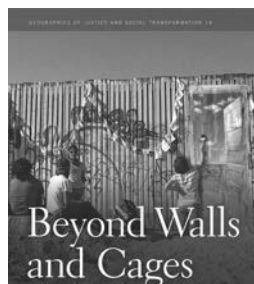


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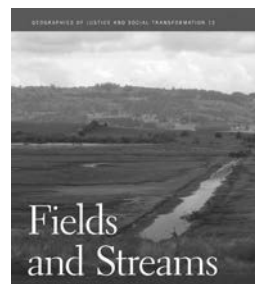


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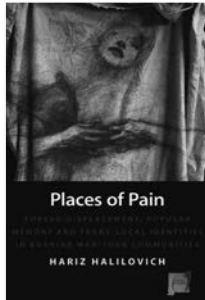
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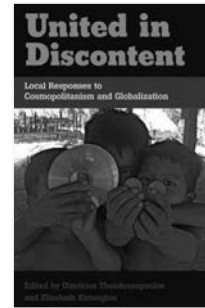
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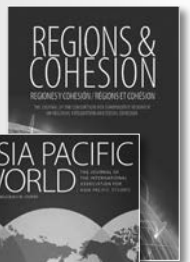
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WORLD GEOGRAPHY BOWL

Friday, April 12, 7:00 p.m.

California Grand Ballroom Salons 1-4, The LA Hotel Downtown, Level 2

The World Geography Bowl Committee would like to thank the AAG for sponsoring the 2013 national competition through its contributions to the student travel fund, which assists regional divisions in sending student team members to compete at the AAG Annual Meeting.

The Committee would also like to thank the following organizations for their generous donations of prizes and awards.



GUILFORD



Student teams from the AAG's regional divisions will compete in a round robin tournament starting at 7:00 p.m. in the California Grand Ballroom Salons 1-4, LA Hotel Downtown, Level 2.

The Championship Round will begin at approximately 10:00 p.m.

Directors

Andrew Shears, University of Wisconsin, Fox Valley

Niem Tu Huynh, Association of American Geographers

Volunteers and Question Authors for the World Geography Bowl include:

Andrew Allen, University of Kansas

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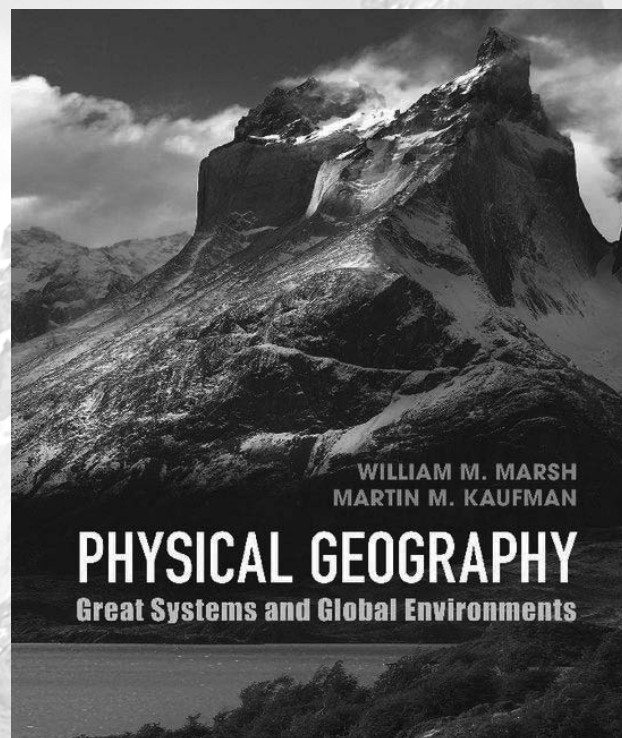
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JOBS & CAREERS CENTER

JOBS & CAREERS CENTER • GENERAL INFORMATION

The Jobs & Careers Center will be located in the San Pedro Room, Westin Bonaventure, Lobby Level. It provides a central location for job seekers, students, and professionals to interact with one another and to learn more about careers and professional development for geographers. No additional cost or registration is required for conference participants to visit the Jobs & Careers Center.

Information Booth

The information booth will provide you with a welcome and introduction to the Jobs & Careers Center. Here you can browse a range of materials including brochures, tip sheets, and books related to careers and professional development. Our staff can also answer general questions about the various events and activities happening in the Jobs & Careers Center throughout the Annual Meeting. The information booth will operate from 8:30 am until 4:30 pm on April 9-12.

Career Mentoring

Whether you're looking for your first job, considering graduate school, or changing careers, the advice of a mentor can help prepare you for success in today's competitive job market. Researchers from the AAG's EDGE Project (Enhancing Departments and Graduate Education in Geography) have assembled a team of experienced geography professionals, faculty members, and advanced students to provide one-on-one and small-group consultation about careers in a variety of industries and employment sectors. Topics for discussion might include creating resumes and cover letters that will grab an employer's attention, finding jobs where you can put your geography skills and training to work, choosing a graduate program, developing your personal and professional networks, and long-term career planning.

Job Postings

Each year, the Jobs & Careers Center features job postings in all fields of geography. Attendees can browse the postings during the career mentoring sessions and open-access periods. See the schedule of activities for dates and times.

Diversity Ambassadors

A diverse group of graduate students and early-career geographers serve as AAG Diversity Ambassadors. Volunteers are willing to share their experiences and advice about college life, graduate school, job searches, networking, navigating the Annual Meeting, and more. Faculty and employers who seek to achieve greater diversity in their programs and workforces are encouraged to talk with the Ambassadors. AAG Diversity Ambassadors can be identified by their green badge ribbons. Look for them throughout the conference, and especially at the careers sessions listed on pages 38-39. In recognition of seven years of leadership, the Diversity Ambassadors are sponsoring a networking reception and sessions on youth making a difference at this year's Annual Meeting. For more details, see the descriptions for sessions 2521 and 2621 in the conference program.

GISCI Certification

Did you know you can earn GISP credits by participating in the AAG Annual Meeting? Attending provides several ways to earn necessary points for the "Contributions to the Profession" and "Education" components of becoming a GISP. A workshop entitled "Becoming a Certified GISP and Why It Matters for Your Geospatial Career" will take place on Friday, April 12, from 12:40-2:20 pm in the Jobs & Careers Center. Prospective GISPs and current GISPs who have questions about renewing their certification are encouraged to attend. The cost is \$5 per person. Sign up at the On-Site Registration desk. For more information about GISP certification, stop by the GIS Certification Institute (GISCI) booth (#121) in the Exhibit Hall (Pasadena Room, Westin Bonaventure) or visit <http://www.gisci.org/>.

JOBS & CAREERS CENTER

JOBS & CAREERS CENTER • SCHEDULE OF ACTIVITIES

Tuesday, April 9

Spotlight on Academic Careers

- 8:30 a.m. - 10:00 a.m. Newcomers' mentoring session
- 10:00 a.m. - 11:40 a.m. Panel: *Welcome to the AAG Annual Meeting! A Discussion on Navigating and Making the Most of the Conference*
- 11:40 a.m. - 12:30 p.m. Open access to Jobs & Careers Center
- 12:40 p.m. - 2:20 p.m. Panel: *The Academic Job Market for Geographers*
- 2:40 p.m. - 4:20 p.m. Panel: *Navigating an Academic Career: Opportunities and Challenges for Geographers*

Wednesday, April 10

Spotlight on Business, Government, and Nonprofit careers

- 9:00 a.m. - 11:30 a.m. Career mentoring
- 11:30 a.m. - 12:30 p.m. Open access to Jobs & Careers Center
- 12:40 p.m. - 2:20 p.m. Panel: *Working Abroad: International Job Opportunities for Geographers*
- 2:40 p.m. - 4:20 p.m. Panel: *Beyond the Ivory Tower A: Preparing Geographers for Business and Private Sector Careers*
- 4:40 p.m. - 6:20 p.m. Panel: *Beyond the Ivory Tower B: Preparing Geographers for Careers in Government and Nonprofits*

Thursday, April 11

Spotlight on Careers and Geographic Education

- 9:00 a.m. - 11:30 a.m. Career mentoring
- 11:30 a.m. - 12:30 p.m. Open access to Jobs & Careers Center
- 12:40 p.m. - 2:20 p.m. Panel: *Integrating Careers Awareness and Preparedness into the Geography Curriculum*
- 2:40 p.m. - 4:20 p.m. Panel: *Internships and Work-Based Learning as Career Preparation*
- 4:40 p.m. - 6:20 p.m. Workshop: *Networking: Promoting Yourself by Making Connections that Count*

Friday, April 12

Careers and Professional Development Workshops

- 9:00 a.m. - 11:00 a.m. Workshop: *Preparing Geography Students for the 21st-Century Workforce*
- 11:00 a.m. - 12:30 p.m. Open access to Jobs & Careers Center
- 12:40 p.m. - 2:20 p.m. Workshop: *Becoming a Certified GISP and Why It Matters for Your Geospatial Career*
- 2:30 p.m. - 3:00 p.m. Open access to Jobs & Careers Center
- 3:00 p.m. - 4:30 p.m. Career mentoring

**The Jobs & Careers Information
Booth will operate from
8:30 a.m. to 4:30 p.m. daily,
Tuesday, April 9 - Friday, April 12.**

ALL ARE WELCOME!

JOBS & CAREERS CENTER

CAREERS AND PROFESSIONAL DEVELOPMENT SESSIONS

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

TUESDAY, APRIL 9

Newcomers' Mentoring Session

8:30 a.m. - 10:00 a.m.

Room: San Pedro, Westin, Lobby Level

1213: Welcome to the AAG Annual Meeting! A Discussion on Navigating and Making the Most of the Conference

10:00 a.m. - 11:40 a.m.

Room: San Pedro, Westin, Lobby Level

Sponsored by Community College Affinity Group, Graduate Student Affinity Group, AAG EDGE project, Stand-Alone Geographers Affinity Group

Field Trip 21: Exploring GIS Technology Trends and Career Opportunities at Esri

11:30 a.m. - 6:00 p.m.

1413: The Academic Job Market for Geographers

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

Room: San Pedro, Westin, Lobby Level

Sponsored by AAG EDGE project, Geography Faculty Development Alliance, Stand-Alone Geographers Affinity Group, Graduate Student Affinity Group, Community College Affinity Group

1513: Navigating an Academic Career: Opportunities and Challenges for Geographers

2:40 p.m. - 4:20 p.m.

Room: San Pedro, Westin, Lobby Level

Sponsored by AAG EDGE project, Geography Faculty Development Alliance, Stand-Alone Geographers Affinity Group, Graduate Student Affinity Group, Community College Affinity Group

1626: The Fulbright Experience: Sharing Faculty and Student Perspectives

4:40 p.m. - 6:20 p.m.

Room: Hollywood Ballroom, Westin, Level 3

1678: Geography Teacher Training and Preparation

4:40 p.m. - 6:20 p.m.

Room: Mediterranean, Biltmore, Mezzanine Level

WEDNESDAY, APRIL 10

2123: Practicing Geography I: Undergraduate Research and Problem-Based Learning

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

Room: San Jose, Westin, Level 2

Sponsored by AAG EDGE project

2153: The Experience of Graduate School in Geography: Issues and Opportunities

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

Room: Grand Ballroom Salon 2, The LA Hotel, Level 2

Sponsored by Graduate Student Affinity Group, AAG EDGE project

2155: The Good, the Bad, and the Ugly of Manuscript Reviewing

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

Room: Grand Ballroom Salon 4, The LA Hotel, Level 2

Career Mentoring

9:00 a.m. - 11:30 a.m.

Room: San Pedro, Westin, Lobby Level

Workshop 13: Preparing Faculty for Engaged Scholarship in International Settings: The ESAVANA Model

9:00 a.m. - 11:00 a.m.

Room: Santa Anita A, Westin, Lobby Level

2223: Practicing Geography II: Undergraduate Experiential Learning

10:00 a.m. - 11:40 a.m.

Room: San Jose, Westin, Level 2

Sponsored by AAG EDGE project

2253: GSAG Plenary Session with Dr. Jason Dittmer: "How Graduate School Set Me Up for Success/Failure"

10:00 a.m. - 11:40 a.m.

Room: Grand Ballroom Salon 2, The LA Hotel, Level 2

Sponsored by Graduate Student Affinity Group, AAG EDGE project

2255: Writing Successfully for the *Journal of Geography in Higher Education*

10:00 a.m. - 11:40 a.m.

Room: Grand Ballroom Salon 4, The LA Hotel, Level 2

Sponsored by International Network for Learning & Teaching Geography in Higher Education

2412: Business Geography Curriculum

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

Room: San Gabriel C, Westin, Lobby Level

Sponsored by Business Geography Specialty Group, Geography Education Specialty Group

2413: Working Abroad: International Job Opportunities for Geographers

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

Room: San Pedro, Westin, Lobby Level

Sponsored by AAG EDGE project

2417: Practicing Geography III: Undergraduate Internship and Fieldwork Reflections

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

Room: San Jose, Westin, Level 2

Sponsored by AAG EDGE project

2512: Business Geography in the Classroom

2:40 p.m. - 4:20 p.m.

Room: San Gabriel C, Westin, Lobby Level

Sponsored by Business Geography Specialty Group, Geography Education Specialty Group

JOBS & CAREERS CENTER

2513: Beyond the Ivory Tower A: Preparing Geographers for Business and Private Sector Careers

2:40 p.m. - 4:20 p.m.

Room: *San Pedro, Westin Lobby Level*

Sponsored by AAG EDGE project, Applied Geography Specialty Group, Business Geography Specialty Group

2553: Graduate Students in the Field: Reflections on International Fieldwork

2:40 p.m. - 4:20 p.m.

Room: *Grand Ballroom Salon 2, The LA Hotel, Level 2*

Sponsored by Graduate Student Affinity Group

2613: Beyond the Ivory Tower B: Preparing Geographers for Careers in Government and Nonprofits

4:40 p.m. - 6:20 p.m.

Room: *San Pedro, Westin, Lobby Level*

Sponsored by AAG EDGE project, Applied Geography Specialty Group

2621: AAG Diversity Ambassadors Networking Reception

4:40 p.m. - 6:20 p.m.

Room: *San Diego, Westin, Level 2*

Sponsored by Association of American Geographers

2655: Anderson Distinguished Lecture in Applied Geography

4:40 p.m. - 6:20 p.m.

Room: *Grand Ballroom Salon 4, The LA Hotel, Level 2*

Sponsored by Applied Geography Specialty Group

THURSDAY, APRIL 11

Career Mentoring

9:00 a.m. - 11:30 a.m.

Room: *San Pedro, Westin, Lobby Level*

3413: Integrating Careers Awareness and Preparedness into the Geography Curriculum

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

Room: *San Pedro, Westin, Lobby Level*

Sponsored by AAG EDGE project, Geography Education Specialty Group

3513: Internships and Work-Based Learning as Career Preparation

2:40 p.m. - 4:20 p.m.

Room: *San Pedro, Westin, Lobby Level*

Sponsored by AAG EDGE project, Geography Education Specialty Group, Graduate Student Affinity Group

Workshop 5: Networking: Promoting Yourself by Making Connections that Count

4:40 p.m. - 6:20 p.m.

Room: *San Pedro, Westin, Lobby Level*

3608: Geography in the Americas: Making the Most of Student Exchanges for Research and Study Abroad

4:40 p.m. - 6:20 p.m.

Room: *San Bernardino, Westin, Lobby Level*

Sponsored by Association of American Geographers, Latin America Specialty Group, Graduate Student Affinity Group

FRIDAY, APRIL 12

4117: Developing Graduate Attributes Within and Beyond the Classroom

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

Room: *Santa Barbara A, Westin, Lobby Level*

Sponsored by International Network for Learning & Teaching Geography in Higher Education, Geography Education Specialty Group

Workshop 19: Preparing Geography Students for the 21st Century Workforce

9:00 a.m. - 11:00 a.m.

Room: *San Pedro, Westin, Lobby Level*

4217: Master's Programs and Career Preparation in Geography

10:00 a.m. - 11:40 a.m.

Room: *Santa Barbara A, Westin, Lobby Level*

Sponsored by AAG EDGE project

4417: Versatile PhDs: Charting a Course Outside the Academy

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

Room: *Santa Barbara A, Westin, Lobby Level*

Sponsored by AAG EDGE project, Association of American Geographers

Workshop 20: Becoming a Certified GISP and Why It Matters for Your Geospatial Career

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

Room: *San Pedro, Westin, Lobby Level*

4517: Geoscience and Geography Terminal Master's Programs - Aligning Learning Outcomes to Workforce Competencies

2:40 p.m. - 4:20 p.m.

Room: *Santa Barbara A, Westin, Lobby Level*

Sponsored by Association of American Geographers, AAG EDGE project

Career Mentoring

3:00 p.m. - 4:30 pm

Room: *San Pedro, Westin, Lobby Level*

4617: Enhancing Departments and Graduate Education in Geography (EDGE) Grants for Outreach and Professional Development

4:40 p.m. - 6:20 p.m.

Room: *Santa Barbara A, Westin, Lobby Level*

Sponsored by AAG EDGE project, Community College Affinity Group, Stand-Alone Geographers Affinity Group, Geography Education Specialty Group

SATURDAY, APRIL 13

5122: Publishing in Physical Geography

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

Room: *San Francisco, Westin, Level 2*

5245: Universities, GIS, and Careers

10:00 a.m. - 11:40 a.m.

Room: *Malibu Parlor 3138, Westin, 31st Floor*

5564: Navigating the Process of Journal Publishing in Biogeography

4:00 p.m. - 5:40 p.m.

Room: *Pico, The LA Hotel, Level 2*

Sponsored by Biogeography Specialty Group, Graduate Student Affinity Group

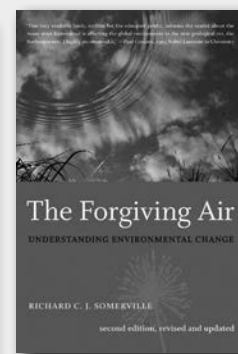
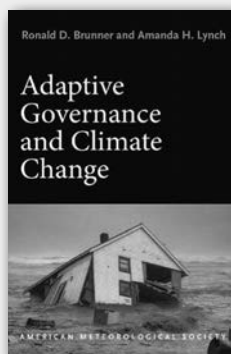
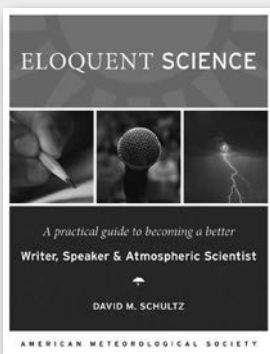
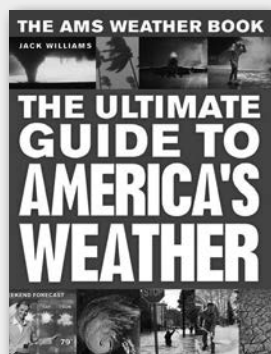
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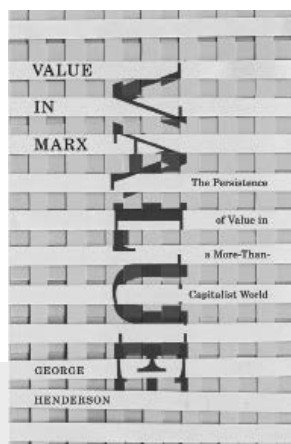
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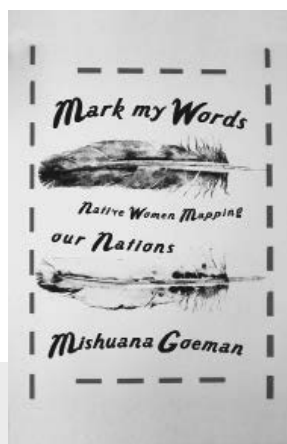
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SPECIAL EVENTS AND MEETINGS SUMMARY

(See pages 48-49 for a listing of Specialty and Affinity Group Business Meetings)

SUNDAY, APRIL 7 - MONDAY, APRIL 8

AAG Council Meeting

Sunday, April 7, 3:00 p.m. - 6:00 p.m.
Monday, April 8, 8:30 a.m. - 5:00 p.m.
Tuesday, April 9, 8:30 a.m. - 12:30 p.m.
(Tsubaki Lounge, Westin, 12th Floor)

Children's Geographies Editorial Board Meeting

Monday, April 8, 4:30 p.m. - 6:30 p.m.
(Santa Anita B, Westin, Lobby Level)

CaGIS Spring Board Meeting

Monday, April 8, 8:00 a.m. - 6:00 p.m.
(Santa Anita A, Westin, Lobby Level)

Community Economics Research Network Meeting

Monday, April 8, 9:00 a.m. - 5:00 p.m.
(Santa Anita C, Westin, Lobby Level)

TUESDAY, APRIL 9

Reception - Regional Studies Association Annual Lecture

Tuesday, April 9, 12:40 p.m. - 2:40 p.m.
(Hollywood Ballroom, Westin, Level 3)

Journal of Geography in Higher Education Editorial Board Meeting

Tuesday, April 9, 4:40 p.m. - 6:20 p.m.
(Laguna Parlor 3004, Westin, 30th Floor)

AAG Presidential Plenary: Emerging Asias

Tuesday, April 9, 6:30 p.m. - 8:00 p.m.
(San Francisco, Westin, Level 2)

WEDNESDAY, APRIL 10

AAG Department Chairs' Symposium

Wednesday, April 10, 8:00 a.m. - 11:40 a.m.
(Avalon, Westin, Level 3)

AAG Specialty and Affinity Group Chairs' Meeting

Wednesday, April 10, 11:50 a.m. - 12:40 p.m.
(Emerald Bay, Westin, Level 3)

Jack Dangermond Lunchtime Plenary: GIS as a Platform: Leveraging the Cloud/Device Pattern

Wednesday, April 10, 11:50 a.m. - 12:30 p.m.
(San Francisco, Westin, Level 2)

AAG Department Chairs' Luncheon

Wednesday, April 10, 12:00 p.m. - 2:00 p.m.
(Avalon, Westin, Level 3)

Supporting Women in Geography (SWG) Social Roundtable

Wednesday, April 10, 12:30 p.m. - 1:30 p.m.
(Tsubaki Lounge, Westin, 12th Floor)

AAG Specialty and Affinity Group Chairs' Follow-on Session

Wednesday, April 10, 12:40 p.m. - 2:20 p.m.
(Emerald Bay, Westin, Level 3)

Young Leaders Mapping Sustainable Development Challenges: My Community, Our Earth Beyond Rio+20 Poster Session & AAG Diversity Ambassadors Networking Reception

Wednesday, April 10, 2:40 p.m. - 6:20 p.m.
(San Diego Ballroom, Westin, Level 2)

Pearson In Booth Event

Wednesday, April 10, 4:30 p.m. - 5:30 p.m.
(Booth #203, Westin, AAG Exhibit Hall, Pasadena Room)

The 2013 Antipode Lecture: 'Climate Violence Now'

Wednesday, April 10, 4:40 p.m. - 6:20 p.m.
(Emerald Bay, Westin, Level 3)

Author Meets Critics: Robert J. Sampson's *Great American City: Chicago and the Enduring Neighborhood Effect*

Wednesday, April 10, 4:40 p.m. - 6:20 p.m.
(Hollywood Ballroom, Westin, Level 3)

CPGIS Business Meeting

Wednesday, April 10, 6:30 p.m. - 9:00 p.m.
(Avalon, Westin, Level 3)

Jared Diamond and Charles Mann to Discuss Their New Books

Wednesday, April 10, 6:45 p.m. - 8:00 p.m.
(San Francisco, Westin, Level 2)

Journal of Transport Geography Editorial Board Meeting

Wednesday, April 10, 6:30 p.m. - 7:30 p.m.
(Pico, The LA Hotel, 2nd Floor)

Elsevier Editor, Author and Reviewer Reception

Wednesday, April 10, 7:30 p.m. - 9:00 p.m.
(Grand Ballroom Salon 3, The LA Hotel, 2nd Floor)

AAG International Reception

Wednesday, April 10, 7:45 p.m. - 9:45 p.m.
(San Jose, Westin, Level 2)

International Journal of Geographical Information Science Meeting

Wednesday, April 10, 8:00 a.m. - 9:00 a.m.
(Regency Boardroom, The LA Hotel, 2nd Floor)

Film Screening: Gifts from the Elders

Wednesday, April 10, 8:00 p.m. - 9:00 p.m.
(Beaudry B, Westin, Lobby Level)

University of California, Los Angeles Event

Wednesday, April 10, 8:00 p.m. - 12:00 a.m.
(The Perch, 448 S. Hill Street, Ste 1312, Los Angeles)

THURSDAY, APRIL 11

Cultural Geographies Editorial Board Meeting

Thursday, April 11, 10:00 a.m. - 11:40 a.m.
(Laguna Parlor 3008, Westin, 30th Floor)

Geoforum Editorial Board Meeting

Thursday, April 11, 10:00 a.m. - 11:40 a.m.
(Laguna Parlor 3004, Westin, 30th Floor)

SPECIAL EVENTS AND MEETINGS SUMMARY

(See pages 48-49 for a listing of Specialty and Affinity Group Business Meetings)

Reception - Territory Politics Governance Inaugural Lecture

Thursday, April 11, 10:00 a.m. - 12:15 p.m.
(Grand Ballroom Salon 1, The LA Hotel, 2nd Floor)

Michael Dear Lunchtime Plenary and Book Signing: *Why Walls Won't Work: Repairing the US-Mexico Divide*

Thursday, April 11, 11:50 a.m. - 12:30 p.m.
(Avalon, Westin, Level 3)

Michael T. Jones Lunchtime Plenary: The Universal Geography

Thursday, April 11, 11:50 a.m. - 12:30 p.m.
(San Francisco, Westin, Level 2)

Rural Geography Specialty Group Awards Reception in honor of Janet Momsen and Lisa Harrington

Thursday, April 11, 12:00 p.m. - 12:40 p.m.
(Laguna Parlor 3004, Westin, 30th Floor)

Computers, Environment and Urban Systems Editorial Board Meeting

Thursday, April 11, 2:40 p.m. - 4:20 p.m.
(Laguna Parlor 3004, Westin, 30th Floor)

Oxford University Press: "Have a drink with the authors!"

Thursday, April 11, 4:00 p.m. - 5:00 p.m.
(Booth #412, Westin, AAG Exhibit Hall, Pasadena Room)

WH Freeman Beers of the World Event: Introducing LearningCurve

Thursday, April 11, 4:00 p.m. - 5:00 p.m.
(Booth #201, Westin, AAG Exhibit Hall, Pasadena Room)

Spatial Analysis and Modeling Plenary Lecture and Geographical Analysis Reception

Thursday, April 11, 4:20 p.m. - 6:20 p.m.
(San Gabriel B, Westin, Lobby Level)

U.S. National Committee to the International Cartographic Association

Thursday, April 11, 4:30 p.m. - 5:30 p.m.
(Tsubaki Lounge, Westin, 12th Floor)

2013 IJURR Lecture: The Secret Discourse Between Sustainability and Slum Urbanism

Thursday, April 11, 4:40 p.m. - 6:20 p.m.
(Grand Ballroom Salon 4, The LA Hotel, Level 2)

AGR Editorial Board Meeting

Thursday, April 11, 6:00 p.m. - 8:00 p.m.
(Laguna Parlor 3004, Westin, 30th Floor)

Annual Meeting of the Korean-American Association for Geospatial and Environmental Sciences

Thursday, April 11, 6:00 p.m. - 8:00 p.m.
(Roman, Biltmore, Mezzanine Level)

AAG Past President's Address Featuring Audrey Kobayashi: Dialectica Interrupta: The Idea of 'Race' in the Discipline of Geography

Thursday, April 11, 6:30 p.m. - 7:30 p.m.
(San Francisco, Westin, Level 2)

Black Geographies Specialty Group Organizational Meeting

Thursday, April 11, 7:00 p.m. - 8:00 p.m.
(Santa Monica C, Westin, Level 3)

Buffalo Reception in honor of Dr. David Mark

Thursday, April 11, 7:00 p.m. - 9:00 p.m.
(Grand Ballroom Salon 2, The LA Hotel, 2nd Floor)

Editorial Collective Meeting - ACME: An International E-Journal for Critical Geographies

Thursday, April 11, 7:00 p.m. - 9:00 p.m.
(Regency Boardroom, The LA Hotel, 2nd Floor)

Alumni and Friends of National Taiwan University

Thursday, April 11, 7:30 p.m. - 9:00 p.m.
(Pacific Ballroom Salon 3, The LA Hotel, 2nd Floor)

Applied Geography Conferences Board of Directors Meeting

Thursday, April 11, 8:00 a.m. - 9:00 a.m.
(Regency Boardroom, The LA Hotel, 2nd Floor)

Graduate Student Affinity Group Business Meeting

Thursday, April 11, 8:00 p.m. - 9:00 p.m.
(Hollywood, The LA Hotel, Level 3)

Texas State Geography Annual Reception

Thursday, April 11, 8:00 p.m. - 10:00 p.m.
(Avalon, Westin, Level 3)

UGA Georgia Party

Thursday, April 11, 8:00 p.m.
(Salvage Bar, 717 West Seventh Street, Los Angeles)

The Ohio State University Dept. of Geography Reception

Thursday, April 11, 9:00 p.m. - 12:00 p.m.
(Emerald Bay, Westin, Level 3)

FRIDAY, APRIL 12

Urban Research-Based Action Network (URBAN) Open Meeting

Friday, April 12, 1:00 p.m. - 2:00 p.m.
(Laguna Parlor 3004, Westin, 30th Floor)

Geographical Analysis Editorial Board Meeting

Friday, April 12, 11:30 a.m. - 1:30 p.m.
(Regency Boardroom, The LA Hotel, 2nd Floor)

The California Wine Revolution and the World of Wine - 47 Years from Take-off

Friday, April 12, 11:50 a.m. - 12:30 p.m.
(Avalon, Westin, Level 3)

A New Map of Standardized Terrestrial Ecosystems of Africa, Roger Sayre, USGS

Friday, April 12, 11:50 a.m. - 12:30 p.m.
(San Francisco, Westin, Level 2)

Political Geography Editorial Board Meeting

Friday, April 12, 12:40 p.m. - 2:20 p.m.
(Laguna Parlor 3008, Westin, 30th Floor)

Geography for Life: National Geography Standards, Second Edition; A Panel Discussion with Gilbert M. Grosvenor

Friday, April 12, 4:40 p.m. - 6:20 p.m.
(San Bernardino, Westin, Lobby Level)

SPECIAL EVENTS AND MEETINGS SUMMARY

(See pages 48-49 for a listing of Specialty and Affinity Group Business Meetings)

Journal of Land Use Science Meeting

Friday, April 12, 5:00 p.m. - 7:00 p.m.
(Regency Boardroom, The LA Hotel, 2nd Floor)

Tobler/TGIS lectures Reception

Friday, April 12, 5:00 p.m. - 7:00 p.m.
(Rendezvous Court, Biltmore, Lobby Level)

World Geography Bowl

Friday, April 12, 7:00 p.m. - 10:00 p.m.
(Grand Ballroom Salons 1-4, The LA Hotel, 2nd Floor)

GTU Executive Committee Meeting

Friday, April 12, 8:00 a.m. - 12:00 p.m.
(Board Room A, Biltmore, 11th Floor)

Joint AAG Journals Editorial Board Meeting

Friday, April 12, 8:00 a.m. - 9:40 a.m.
(Beaudry A, Westin, Lobby Level)

Polar Geography Meeting

Friday, April 12, 8:00 a.m. - 10:00 a.m.
(Regency Boardroom, The LA Hotel, 2nd Floor)

EDGE Committee Meeting

Friday, April 12, 8:30 a.m. - 9:45 a.m.
(Laguna Parlor 3008, Westin, 30th Floor)

SATURDAY, APRIL 13

Tools for Spatial Learning

Saturday, April 13, 8:00 a.m. - 9:40 a.m.
(San Bernardino, Westin, Lobby Level)

AAG Annual Awards Luncheon

Saturday, April 13, 11:50 a.m. - 2:00 p.m.
(Crystal Ballroom, Biltmore, Lobby Level)

AAG Business Meeting

Saturday, April 13, 2:30 p.m. - 3:40 p.m.
(Corinthian, Biltmore, Mezzanine Level)

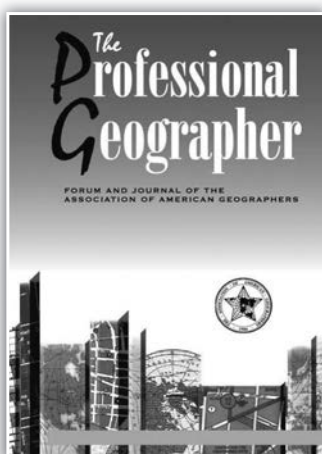
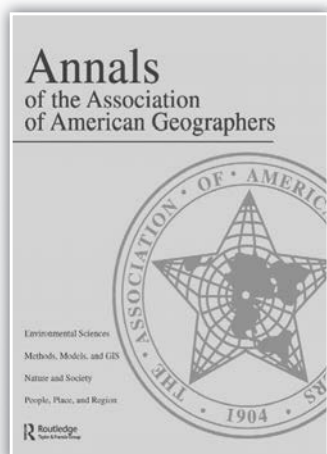
Geographical Education, Curriculum and Policy: GSTs in Situated Contexts

Saturday, April 13, 5:00 p.m. - 6:00 p.m.
(Santa Anita A, Westin, Lobby Level)

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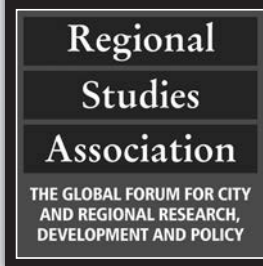
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Regional Studies Sessions

Tuesday, 9 April

8.00–11.40am

RSA Special Sessions

Santa Barbara B, Westin, First Floor

12.40–2.20pm

Regional Studies Association Annual Lecture: 'Beyond the Creative City'

Hollywood Ballroom, Westin, Third Floor



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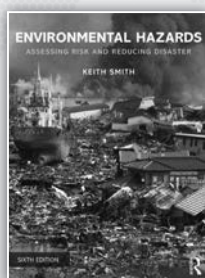
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SPECIALTY AND AFFINITY GROUP BUSINESS MEETINGS

Africa Specialty Group Business Meeting

Thursday, April 11, 8:30 p.m. - 9:30 p.m.

(San Gabriel C, Westin, Lobby Level)

Animal Geography Specialty Group Business Meeting

Thursday, April 11, 8:30 p.m. - 9:30 p.m.

(Santa Monica A, Westin, Level 3)

Applied Geography Specialty Group Business Meeting

Friday, April 12, 7:30 p.m. - 8:30 p.m.

(Santa Monica D, Westin, Level 3)

Asian Geography Specialty Group Business Meeting

Friday, April 12, 7:30 p.m. - 8:30 p.m.

(Santa Monica A, Westin, Level 3)

Bible Geography Specialty Group Business Meeting

Wednesday, April 10, 8:00 p.m. - 9:00 p.m.

(Santa Monica A, Westin, Level 3)

Biogeography Specialty Group Business Meeting

Wednesday, April 10, 8:00 p.m. - 9:00 p.m.

(Los Feliz, Westin, Lobby Level)

Business Geography Specialty Group Business Meeting

Wednesday, April 10, 8:00 p.m. - 9:00 p.m.

(San Gabriel C, Westin, Lobby Level)

Canadian Studies Specialty Group Business Meeting

Wednesday, April 10, 8:00 p.m. - 9:00 p.m.

(San Bernardino, Westin, Lobby Level)

Cartography Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(San Gabriel C, Westin, Lobby Level)

China Specialty Group Business Meeting

Friday, April 12, 6:30 p.m. - 7:30 p.m.

(Bunker Hill, The LA Hotel, Level 2)

Climate Specialty Group Business Meeting

Wednesday, April 10, 8:00 p.m. - 9:00 p.m.

(San Gabriel A, Westin, Lobby Level)

Coastal and Marine Specialty Group Business Meeting

Friday, April 12, 8:30 p.m. - 9:30 p.m.

(Palos Verdes, Westin, Lobby Level)

Communication Geography Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(San Bernardino, Westin, Lobby Level)

Community College Affinity Group Business Meeting

Thursday, April 11, 8:30 p.m. - 9:30 p.m.

(Los Cerritos, Westin, Lobby Level)

Cryosphere Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(Santa Monica A, Westin, Level 3)

Cultural and Political Ecology Specialty Group Business Meeting

Friday, April 12, 6:30 p.m. - 7:30 p.m.

(Pacific Ballroom Salon 2, The LA Hotel, Level 2)

Cultural Geography Specialty Group Business Meeting

Friday, April 12, 7:30 p.m. - 8:30 p.m.

(Pacific Ballroom Salon 2, The LA Hotel, Level 2)

Cyberinfrastructure Specialty Group Business Meeting

Thursday, April 11, 8:30 p.m. - 9:30 p.m.

(San Bernardino, Westin, Lobby Level)

Development Geographies Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(Palos Verdes, Westin, Lobby Level)

Disability Specialty Group Business Meeting

Friday, April 12, 6:30 p.m. - 7:30 p.m.

(Santa Monica A, Westin, Level 3)

Economic Geography Specialty Group Business Meeting

Friday, April 12, 8:30 p.m. - 9:30 p.m.

(Pacific Ballroom Salon 2, The LA Hotel, Level 2)

Energy and Environment Specialty Group Business Meeting

Thursday, April 11, 8:30 p.m. - 9:30 p.m.

(Palos Verdes, Westin, Lobby Level)

Environmental Perception and Behavioral Geography Specialty Group Business Meeting

Friday, April 12, 7:30 p.m. - 8:30 p.m.

(San Fernando, Westin, Lobby Level)

Ethics, Justice, and Human Rights Specialty Group Business Meeting

Friday, April 12, 7:30 p.m. - 8:30 p.m.

(Bunker Hill, The LA Hotel, Level 2)

Ethnic Geography Specialty Group Business Meeting

Friday, April 12, 8:30 p.m. - 9:30 p.m.

(San Fernando, Westin, Lobby Level)

European Specialty Group Business Meeting

Friday, April 12, 8:30 p.m. - 9:30 p.m.

(Bunker Hill, The LA Hotel, Level 2)

Geographic Information Science and Systems Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(Santa Anita C, Westin, Lobby Level)

Geographic Perspectives on Women Specialty Group Business Meeting

Friday, April 12, 6:30 p.m. - 7:30 p.m.

(Santa Monica B, Westin, Level 3)

Geographies of Food and Agriculture Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(Bunker Hill, The LA Hotel, Level 2)

Geography Education Specialty Group Business Meeting

Friday, April 12, 7:30 p.m. - 8:30 p.m.

(Palos Verdes, Westin, Lobby Level)

Geography of Religions and Belief Systems Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(Santa Monica D, Westin, Level 3)

Geomorphology Specialty Group Business Meeting

Friday, April 12, 7:30 p.m. - 8:30 p.m.

(Santa Monica B, Westin, Level 3)

Graduate Student Affinity Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(Grand Ballroom Salon 3, The LA Hotel, Level 2)

SPECIALTY AND AFFINITY GROUP BUSINESS MEETINGS

Hazards, Risks, and Disasters Specialty Group Business Meeting

Friday, April 12, 6:30 p.m. - 7:30 p.m.

(Palos Verdes, Westin, Lobby Level)

Health and Medical Geography Specialty Group Business Meeting

Friday, April 12, 6:30 p.m. - 7:30 p.m.

(Santa Barbara C, Westin, Lobby Level)

Historical Geography Specialty Group Business Meeting

Thursday, April 11, 8:30 p.m. - 9:30 p.m.

(Santa Anita B, Westin, Lobby Level)

History of Geography Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(Santa Anita B, Westin, Lobby Level)

Human Dimensions of Global Change Specialty Group Business Meeting

Friday, April 12, 8:30 p.m. - 9:30 p.m.

(Los Feliz, Westin, Lobby Level)

Indigenous Peoples Specialty Group Business Meeting

Thursday, April 11, 8:30 p.m. - 9:30 p.m.

(Los Feliz, Westin, Lobby Level)

Landscape Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(Los Feliz, Westin, Lobby Level)

Latin America Specialty Group Business Meeting

Wednesday, April 10, 8:00 p.m. - 9:00 p.m.

(San Fernando, Westin, Lobby Level)

Middle East Specialty Group Business Meeting

Thursday, April 11, 8:30 p.m. - 9:30 p.m.

(San Fernando, Westin, Lobby Level)

Military Geography Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(San Fernando, Westin, Lobby Level)

Mountain Geography Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(San Gabriel A, Westin, Lobby Level)

Paleoenvironmental Change Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(Santa Barbara A, Westin, Lobby Level)

Polar Geography Specialty Group Business Meeting

Thursday, April 11, 8:30 p.m. - 9:30 p.m.

(Angeleno, The LA Hotel, Level 2)

Political Geography Specialty Group Business Meeting

Thursday, April 11, 8:30 p.m. - 9:30 p.m.

(Grand Ballroom Salon 3, The LA Hotel, Level 2)

Population Specialty Group Business Meeting

Friday, April 12, 6:30 p.m. - 7:30 p.m.

(Pacific Ballroom Salon 1, The LA Hotel, Level 2)

Private/Public Affinity Group Business Meeting

Friday, April 12, 8:30 p.m. - 9:30 p.m.

(Santa Monica D, Westin, Level 3)

Qualitative Research Specialty Group Business Meeting

Friday, April 12, 7:30 p.m. - 8:30 p.m.

(Santa Barbara C, Westin, Lobby Level)

Recreation, Tourism, and Sport Specialty Group Business Meeting

Friday, April 12, 8:30 p.m. - 9:30 p.m.

(Santa Barbara C, Westin, Lobby Level)

Regional Development and Planning Specialty Group Business Meeting

Friday, April 12, 8:30 p.m. - 9:30 p.m.

(Santa Monica A, Westin, Level 3)

Remote Sensing Specialty Group Business Meeting

Friday, April 12, 8:30 p.m. - 9:30 p.m.

(Pacific Ballroom Salon 1, The LA Hotel, Level 2)

Retired Geographers Affinity Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(Los Cerritos, Westin, Lobby Level)

Rural Geography Specialty Group Business Meeting

Wednesday, April 10, 8:00 p.m. - 9:00 p.m.

(San Gabriel B, Westin, Lobby Level)

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

Thursday, April 11, 8:30 p.m. - 9:30 p.m.

(San Gabriel A, Westin, Lobby Level)

Sexuality and Space Specialty Group Business Meeting

Thursday, April 11, 7:30 p.m. - 8:30 p.m.

(Angeleno, The LA Hotel, Level 2)

Socialist and Critical Geography Specialty Group Business Meeting

Friday, April 12, 7:30 p.m. - 8:30 p.m.

(Pacific Ballroom Salon 1, The LA Hotel, Level 2)

Spatial Analysis and Modeling Specialty Group Business Meeting

Wednesday, April 10, 8:00 p.m. - 9:00 p.m.

(Santa Barbara A, Westin, Lobby Level)

Stand-Alone Geographers Affinity Group Business Meeting

Friday, April 12, 7:30 p.m. - 8:30 p.m.

(Los Feliz, Westin, Lobby Level)

Study of the American South Specialty Group Business Meeting

Wednesday, April 10, 8:00 p.m. - 9:00 p.m.

(Angeleno, The LA Hotel, Level 2)

Transportation Geography Specialty Group Business Meeting

Wednesday, April 10, 8:00 p.m. - 9:00 p.m.

(Bunker Hill, The LA Hotel, Level 2)

Urban Geography Specialty Group Business Meeting

Thursday, April 11, 8:30 p.m. - 9:30 p.m.

(Santa Anita C, Westin, Lobby Level)

Water Resources Specialty Group Business Meeting

Friday, April 12, 6:30 p.m. - 7:30 p.m.

(Los Feliz, Westin, Lobby Level)

Wine Specialty Group Business Meeting

Friday, April 12, 6:30 p.m. - 7:30 p.m.

(Santa Monica D, Westin, Level 3)

SPECIAL DISPLAYS

Landscape Photography Exhibition

This Exhibit will be open during the following hours:

Wednesday, April 10, 9:30 a.m. - 5:30 p.m.

Thursday, April 11, 9:30 a.m. - 5:30 p.m.

Friday, April 12, 9:30 a.m. - 3:30 p.m.

Location: Pasadena Room/AAG Exhibit Hall, Westin, one level below the main Lobby Level

The Landscape Photography Exhibit has been part of Cultural Geography Specialty Group programming since the AAG's 2009 Annual Meeting in Las Vegas. In its four years, the exhibit has showcased photographs (with short descriptive captions) from both fieldwork and also more everyday encounters with cultural landscapes. Unique at the Annual Meeting, the CGSG's Landscape Photography Exhibit provides geographers the opportunity to share images and stories that perhaps receive less attention in their paper presentations and panel comments. This year, approved submissions will be displayed in the AAG Exhibit Hall located in the Pasadena Room of the Westin, one level below the main Lobby Level (see exact hours above).

40th Annual Cartography and Geographic Information Society Map Competition Winners

This Exhibit will be open during the following hours:

Wednesday, April 10, 9:30 a.m. - 5:30 p.m.

Thursday, April 11, 9:30 a.m. - 5:30 p.m.

Friday, April 12, 9:30 a.m. - 3:30 p.m.

Location: Pasadena Room/AAG Exhibit Hall, Westin, one level below the main Lobby Level

The winning maps for the 40th Annual Cartography and Geographic Information Society Map Competition will be displayed. The maps being presented range in theme from Mormonism to threatened languages, from Yellowstone to Everest. Over 15 maps will be on display and handouts about how you and your students can submit your cartographic works to next year's contest will also be available. Swing on by for cartographic inspiration!

AAG Photo Competition

This Exhibit will be open Tuesday, April 9 - Saturday, April 13

Location: AAG Registration Desk Area, Westin, Second Level

Special Showing during Sessions 2521 and 2621, San Diego Ballroom, Westin, Second Level

The 2013 AAG Photo Competition celebrates the visual talents of geographers. Five winners will be recognized and displayed along with seven honorable mention awardees in the categories of Geography at Work, Unique People and Landscapes, What a Geographers Looks Like, Everyday Geographers, and My Geography Story.

Barbara Bartz Petchenik Children's Mapping Competition (Your Vote Counts)

This Exhibit will be open during the following hours:

Wednesday, April 10, 9:30 a.m. - 5:30 p.m.

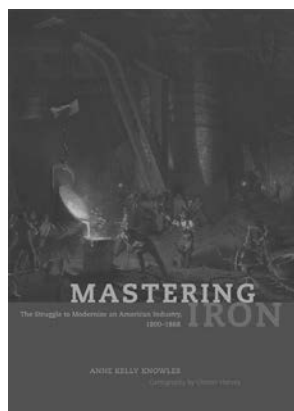
Thursday, April 11, 9:30 a.m. - 5:30 p.m.

Friday, April 12, 9:30 a.m. - 3:30 p.m.

Location: Pasadena Room/AAG Exhibit Hall, Westin, one level below the main Lobby Level

This exhibit showcases the US finalists for the 2013 Barbara Bartz Petchenik World Mapping Competition, an event created with the aim of promoting the creative representation of the world in graphic form by children. This is the 20th anniversary of this competition, sponsored by the International Cartographic Association. Over 250 entries were received from children aged 15 and under from across the country. Those that are on display represent the finalists, chosen by the three-member US selection committee, in four age groups (under 6, 6-8, 9-12, and 12-15 years of age). The US will send six maps for consideration in the international competition, to be held in late August as part of the International Cartographic Conference in Dresden, Germany. These maps will be selected from among those displayed by a public vote during the AAG conference. All AAG participants are invited to vote for their favorite maps (up to six, from any of the age groups). Voting will take place via text messages on cell phones; instructions for voting will be provided at the exhibit.

Geography & Cartography **NEW FROM CHICAGO**



Mastering Iron

The Struggle to Modernize an American Industry, 1800-1868

ANNE KELLY KNOWLES

336 p., 66 color plates, 10 halftones,
2 line drawings, 8 tables
Cloth \$45.00

Korea

A Cartographic History

JOHN RENNIE SHORT

160 p., 71 color plates
Cloth \$45.00

Mapping the Nation

History and Cartography in Nineteenth-Century America

SUSAN SCHULTEN

272 p., 47 halftones
Cloth \$45.00

Views of the Cordilleras and Monuments of the Indigenous Peoples of the Americas

A Critical Edition

ALEXANDER VON HUMBOLDT

Edited by Vera M. Kutzinski and Ottmar Ette
Alexander von Humboldt in English

664 p., 30 color plates, 41 halftones, 17 tables
Cloth \$65.00

New from Liverpool
University Press

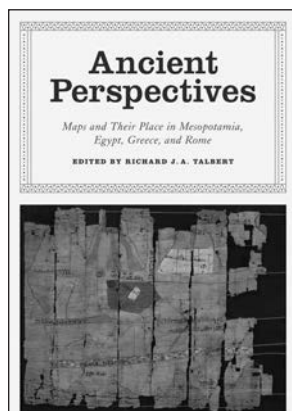


Spanish Spaces

Landscape, Space and Place in Contemporary Spanish Culture

ANN DAVIES

256 p.
Cloth \$99.95



Ancient Perspectives

Maps and Their Place in Mesopotamia, Egypt, Greece, and Rome

Edited by RICHARD J. A. TALBERT

The Kenneth Nebenzahl, Jr., Lectures in the History of Cartography

280 p., 9 color plates, 82 halftones,
34 line drawings, 2 tables
Cloth \$65.00

Forthcoming in 2013

The Birth of Territory

STUART ELDEN

488 p., 9 halftones, 6 line drawings
Paper \$30.00

London

The Making of a Global City, 1549-1689

ROBERT K. BATCHELOR

320 p., 43 halftones
Cloth \$45.00

American Capitals

A Historical Geography

CHRISTIAN MONTÉS

University of Chicago Geography Research Papers

400 p., 21 halftones,
6 line drawings, 42 tables
Cloth \$65.00

Sea Monsters

A Voyage around the World's Most Beguiling Marine Map

JOSEPH NIGG

160 p., 157 color plates
Cloth \$40.00

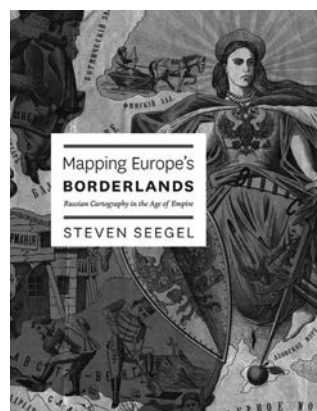
Maps and Civilization

Cartography in Culture and Society

Fourth Edition

NORMAN J. W. THROWER

360 p., 91 halftones
Paper \$30.00



Mapping Europe's Borderlands

Russian Cartography in the Age of Empire

STEVEN SEEGL

384 p., 17 color plates, 60 halftones,
2 line drawings, 4 tables
Cloth \$55.00

Now in Paperback

Measuring the New World

Enlightenment Science and South America

NEIL SAFIER

408 p., 20 color plates, 59 halftones
Paper \$27.50

Essay on the Geography of Plants

ALEXANDER VON HUMBOLDT and AIMÉ BONPLAND

Edited and with an Introduction by Stephen T. Jackson

Translated by Sylvie Romanowski

286 p., 9 halftones
Paper \$27.50

New from Reaktion Books

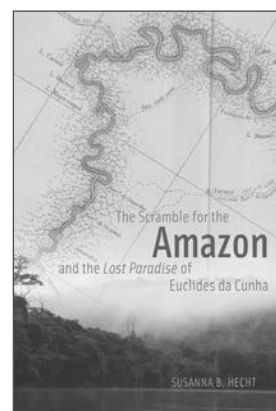


Islands

From Atlantis to Zanzibar

STEVEN ROGER FISCHER

336 p., 10 halftones
Cloth \$35.00



The Scramble for the Amazon and the Lost Paradise of Euclides da Cunha

SUSANNA B. HECHT

600 p., 53 halftones, 14 maps, 2 tables
Cloth \$45.00

New from the British Library

The World at Their Fingertips

Eighteenth-Century British Two-Sheet Double-Hemisphere World Maps

GEOFF ARMITAGE and ASHLEY BAYNTON-WILLIAMS

262 p., 155 color plates
Cloth \$65.00

London

A History in Maps

PETER BARBER

380 p., 400 color plates
Cloth \$45.00



Medieval Maps of the Holy Land

P. D. A. HARVEY

160 p., 50 color plates, 25 halftones
Cloth \$75.00

Journals available at this meeting:

American Journal of Sociology
Current Anthropology
History of Religions
Journal of Geology
Journal of Near Eastern Studies

NEWCOMERS'

Welcome to the AAG's Annual Meeting!

This guide has been created by representatives of the Graduate Student Affinity Group (GSAG) and AAG staff to introduce you to the meeting and help you make the most of it. If you have questions that are not answered here, come by the AAG Booth or Registration Desk for assistance.

General Tips

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

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

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

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

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

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

Find your friends. The bulletin boards near Registration are a convenient central meeting place. You can also read or post messages and announcements on the bulletin boards.

Session Types

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

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

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

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

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

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

Session Participation Tips

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

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

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

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

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

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

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

Networking Tips

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

Carry business cards to give to new contacts.

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

GUIDE



AAG 2013
LOS ANGELES

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

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

Events and Activities

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

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

Jobs & Careers Center: The Jobs & Careers Center, located in the San Pedro Room of the Westin Bonaventure, offers career advice, job postings, resources, and networking opportunities for professionals, students, and job seekers. Stop by the Jobs & Careers information booth for a schedule of activities and information about careers and professional development activities that will occur throughout the meeting.

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

Special Events

The AAG hosts a large International Reception where you can connect with friends and colleagues and meet new people. This year’s event will follow the plenary with Jared Diamond and Charles Mann on Wednesday, April 10, in the Westin. Free drink tickets are included in your registration packet.

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

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

The World Geography Bowl is a round-robin tournament featuring student teams from the AAG’s regional divisions. The 2013 bowl kicks off at 7:00 pm on Friday, April 11.

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

Planning Ahead for Tampa 2014

Register for upcoming meetings as early as possible to take advantage of discounted rates.

If you plan to present at the Annual Meeting, remember that abstracts are due several months in advance.

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

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

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

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

Events for Newcomers

Newcomers’ Mentoring Session

Drop-in advising for all conference attendees, with an emphasis on answering newcomers’ questions about the meeting

Tuesday, April 9

8:30-10:00 am

Jobs & Careers Center (San Pedro Room, Westin)

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

An orientation panel for first-time and newish attendees

Tuesday, April 9

10:00-11:40 am

Jobs & Careers Center (San Pedro Room, Westin)

WORKSHOPS

MONDAY, APRIL 8

1. Plant Macrofossil Identification Workshop/Tour of University of California, Los Angeles Campus, Botanical Gardens and Herbarium

Monday, April 8, 8:30 a.m. - 5:30 p.m.

Organizer/Instructors: Catherine H. Yansa, Michigan State University, Glen MacDonald, University of California, Los Angeles
Capacity: 20

Cost/person: \$48 (*includes bus transportation, donation to Specialty Group*)

Room: University of California, Los Angeles Campus

Organized by the Paleoenvironmental Change Specialty Group

Participants of this workshop will learn the basics of plant macrofossil identification and be able to view and identify fossil specimens (including their own, if so wished) under microscopes in a class room on the University of California, Los Angeles campus. During the extended lunch break (noon to 1:30 pm) participants will purchase lunch nearby (at their own expense) and then be guided on a tour of the campus, herbarium and botanical gardens (weather permitting, if not then a visit to a nearby museum). The workshop will run from 10 am to noon and resume at 1:30 and last until 4:00 pm. Transportation to and from the main conference hotel will be provided, with pick up at 8:30 am and drop off at about 5:30 pm.

TUESDAY, APRIL 9

3. Map Design with ArcGIS Online I: Authoring Thematic Maps

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

Organizer: Angela Lee, Esri

Instructor: Ken Field, Esri

Capacity: 15

Cost/Person: \$10

Room: Santa Anita B, Westin, Lobby Level

The workshop will focus on how you can harness the ArcGIS System to design high quality thematic maps that tell great stories. You'll explore a range approaches for authoring rich thematic maps in ArcGIS 10.1 and ArcGIS Online; prepare data appropriately; select effective thematic map types; and be aware of design considerations to make informative, compelling information products. You'll explore map design but also think of how we modify the map to take advantage of interactivity, popups and multi-scale environments. The workshop will consider the requirements for making great thematic web maps and apps that bring your data to life.

4. How to Establish and Sustain an Undergraduate Research Program

Tuesday, April 9, 1:00 p.m. - 5:00 p.m.

Organizer/Instructor: Lydia K. Fox, University of the Pacific, Deanna van Dijk, Calvin College

Capacity: 20

Cost/person: \$30

Room: Santa Anita A, Westin, Lobby 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 who have extensive experience in working successfully with undergraduate students in their research enterprises.

6. Map Design with ArcGIS Online II: Publishing Thematic Maps

Tuesday, April 9, 1:30 p.m. - 4:30 p.m.

Organizer: Angela Lee, Esri

Instructor: Ken Field, Esri

Capacity: 15

Cost/Person: \$10

Room: Santa Anita B, Westin, Lobby Level

The workshop will focus on taking your authored thematic maps and publishing them in different ways to suit a range of needs. You'll learn how to use new tools and approaches in ArcGIS 10.1 to publish map services and feature services online and create custom maps for sharing and embedding in web sites. The workshop will consider best practices for making high quality, scalable web map apps with a focus on employing good cartography. We'll look at how ArcGIS Online organizational subscriptions can be used to harness the full power of web mapping to create customized web map apps.

WORKSHOPS

WEDNESDAY, APRIL 10

8. Using ICT for Transport to Facilitate the Development of Green Economy

Wednesday, April 10, 10:00 a.m. - 3:00 p.m.

Organizer/Instructor: Dr. Nikolas Thomopoulos, Institute for Transport Studies, Faculty of Environment, University of Leeds
Instructors: A.Gopal, Berkeley Lab, Q.Xu, H.Gong, Hunter CUNY, L. Nijland, Utrecht University, B.Gyergyay, Rupprecht Consult
Capacity: 20

Cost/person: \$23

Room: Santa Anita A, Westin, Lobby Level

*Part of a Regional Studies Association Research Network,
Sponsored by the Transportation Geography Specialty Group*

This workshop will review the use of Information and Communication Technologies (ICTs) for transport across continents and will also identify current challenges to further use ICTs to promote Green Economy following the Rio +20 outputs. Through a panel of presentations about selected case studies mixed with interactive discussions of experiences, participants will have the opportunity to better understand the current state in this rapidly evolving field as well as the potential to share expertise between developed and developing countries. This workshop targets both academics and practitioners, so opportunities will be provided to ask questions to speakers both in formal and informal settings, aiming at shaping future collaborative research agendas and inform policy making.

9. Shifting Population between Different Areal Geographies

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

Organizer: Angela Lee, Esri

Instructor: Linda Beale, Esri

Capacity: 40

Cost/Person: \$10

Room: Santa Anita B, Westin, Lobby Level

ArcGIS allows data from many, often disparate sources to be combined. These combined data can then be visualized and analysed to provide new understanding and insights. In many cases, however, we may have our data at one set of spatial boundaries (e.g. a census area) and we want to analyse this data together with another dataset that has different spatial boundaries (e.g. school districts). Moving area data between different boundaries requires some form of areal interpolation. There are a number of different approaches and this workshop will look at a number of different methods for shifting population data, demonstrating three different methods in ArcGIS.

10. Spatial Pattern Analysis: Mapping Trends and Clusters

Wednesday, April 10, 12:40 p.m. - 2:20 p.m.

Organizer: Angela Lee, Esri

Instructor: Lauren Rosenshein Bennett, Esri

Capacity: 40

Cost/Person: \$10

Room: Santa Anita B, Westin, Lobby Level

This session will introduce you to basic concepts of spatial pattern analysis using tools in the Spatial Statistics toolbox. It

will demonstrate how these tools can help you summarize and evaluate geographic distributions, identify statistically significant spatial outliers and spatial clusters (hot spots), and assess broad geographic patterns and trends over time. With examples from a range of application areas such as epidemiology and demographics, the tools presented in this session will help you to find patterns and relationships in your data, facilitating discussion, contributing to research, and informing decision making.

11. Improving Undergraduate Education in Physical Geography and Geology: Learn More About Writing a Proposal for the NSF TUES Program

Wednesday, April 10, 1:00 p.m. - 4:00 p.m.

Organizers/Instructors: Jill Singer, SUNY - Buffalo State, Jeff Ryan, University of South Florida

Capacity: 24

Cost/person: \$15

Room: Beaudry A, Westin, Lobby Level

Learn about the NSF TUES (Transforming Undergraduate Education in STEM) program and advice about preparing proposals for submission to this program. TUES supports a wide-range of activities aimed at improving the undergraduate geoscience/physical geography curriculum for majors and non-majors. The program supports the design of new courses and curricular materials, acquisition of research-quality instrumentation, and faculty development activities. There is funding to help faculty from 2-year colleges or minority-serving institutions attend the session; contact the presenters directly for more information.

12. Modeling Spatial Relationships using Regression Analysis

Wednesday, April 10, 2:40 p.m. - 4:20 p.m.

Organizer: Angela Lee, Esri

Instructor: Lauren Rosenshein Bennett, Esri

Capacity: 40

Cost/Person: \$10

Room: Santa Anita B, Westin, Lobby Level

Regression analysis is a set of statistical methods used in many areas (e.g., business, health, natural resources, etc.). Ordinary least squares regression (OLS) and geographically weighted regression (GWR) allow you to examine, model, and explore data relationships to help answer "why?" questions such as "why do we see so much disease in particular areas?". Regression analysis also allows you to predict spatial outcomes for other places or time periods. This workshop will cover basic regression analysis concepts for the analysis of geographic data. You will learn how to build a properly specified OLS model and interpret the results and diagnostics.

WORKSHOPS

THURSDAY, APRIL 11

28. Learn About the NSF Program to Support Improvements in Undergraduate Education in Geography and Geosciences

Thursday, April 11, 8:00 a.m. - 9:40 a.m.

Organizers/Instructors: Jill Singer, SUNY - Buffalo State, Jeff Ryan, University of South Florida

Capacity: 50

Cost/Person: FREE

Room: Santa Anita C, Westin, Lobby Level

This informational session provides current information about the NSF-Division of Undergraduate Education TUES program. The TUES program supports a wide-range of activities aimed at improving the undergraduate geography and geoscience curriculum for majors and non-majors. The TUES program supports the design of new courses and curricular materials, acquisition of research-quality instrumentation, and faculty development activities.

19. Teaching ArcGIS Server using Amazon EC2

Thursday, April 11, 8:00 a.m. - 9:40 a.m.

Organizer: Angela Lee, Esri

Instructor: Sterling Quinn, Esri

Capacity: 40

Cost/Person: \$10

Room: Santa Anita B, Westin, Lobby Level

Teaching server GIS can be challenging in an environment where IT policies or lack of resources makes it impossible for each student to be apportioned his or her own physical machine. The Amazon Elastic Compute Cloud (EC2) can help solve this problem by allowing each student to run a public-facing virtual server on Amazon's hardware. This session demonstrates how to run Esri ArcGIS for Server on Amazon EC2, with a focus on supporting the classroom. A case study describes how ArcGIS for Server on Amazon EC2 is being used by Penn State University to teach online learners about GIS server administration.

13. Preparing Faculty for Engaged Scholarship in International Settings: The ESAVANA Model

Thursday, April 11, 9:00 a.m. - 11:00 a.m.

Organizer/Instructor: Suzanne Walther, Utah Valley University

Instructor: Shuaib Lwasa, Makerere University (Uganda)

Capacity: 25

Cost/person: FREE

Room: Santa Anita A, Westin, Lobby Level

This workshop shares a model of engaged scholarship in international education and research in developing countries using a panel of presentations mixed with interactive discussion of experiences and applications of the ESAVANA network. Presentations include preparation for international activities, different scholarship types, and outcomes with respect to employment/career choices undertaken. Workshop participants will discuss applications of the model to their own programs. The workshop (sponsored by the AAG EDGE project) will be open to all AAG participants and will encourage a wide range of audiences interested in international education and research.

14. Creating Surfaces and Interpolation in ArcGIS

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

Organizer: Angela Lee, Esri

Instructor: Linda Beale, Esri

Capacity: 40

Cost/Person: \$10

Room: Santa Anita C, Westin, Lobby Level

This workshop will look at a number of different of approaches for creating continuous surfaces in ArcGIS. We will look at the assumptions that should be met with different interpolation methods and understand how to choose an appropriate technique. Exploring and understanding our data prior to analysis is crucial to effective analysis. Through demonstration, we will explore many of the different available parameters and cover some tips and tricks for effective analysis. Finally, we will look at the importance of evaluating the quality of the modeled surface.

15. Creating Web Maps with ArcGIS Online Hosted Services

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

Organizer/Instructor: Angela Lee, Esri

Capacity: 15

Cost/Person: \$10

Room: Santa Anita B, Westin, Lobby Level

You can now easily find, create, and share web maps using ArcGIS Online to host your map services. These hosted services scale to meet demand and can be used to extend your GIS capabilities. Through an ArcGIS Online subscription, you can make your services available to specific groups or open them to the general public. You will learn how to publish your maps to ArcGIS Online as a hosted service as well as how to optimize your map for the web.

16. Python and ArcGIS

Thursday, April 11, 12:40 p.m. - 2:20 p.m.

Organizer/Instructor: Angela Lee, Esri

Capacity: 15

Cost/Person: \$10

Room: Santa Anita B, Westin, Lobby Level

Python scripting can help you become more efficient in your daily operations with ArcGIS. This hands-on workshop provides an overview of the Python scripting environment and describes how it is integrated into ArcGIS. You will learn basic Python syntax and be introduced to the Arcpy site package. You will see how Arcpy allows you to leverage ArcGIS functionality in your scripts to streamline your work with map documents and layers and automate your geoprocessing workflows. You will explore the ArcGIS help documents and other resources that can be used to learn more about Python and ArcGIS.

WORKSHOPS

21. Proposal-Writing Strategies for NSF Doctoral Dissertation Research Improvement (DDRI) Awards

Thursday, April 11, 12:40 p.m. - 2:20 p.m.

Organizer/Instructor: Thomas Baerwald, National Science Foundation

Instructors: Antoinette WinklerPrins, National Science Foundation

Kelley Crews, National Science Foundation

Capacity: 40

Cost/Person: FREE

Room: Santa Anita A, Westin, Lobby Level

This is a workshop intended for graduate students and their advisors who want to learn how to prepare more competitive proposals for a Doctoral Dissertation Research Improvement (DDRI) grant, which will provide up to \$16,000 to help fund doctoral dissertation research costs. Program officers from the Geography and Spatial Sciences Program at the National Science Foundation will highlight ways to improve the quality and competitiveness of DDRI proposals. They also will discuss the review process, including intellectual merit and broader impacts. The presentations will be followed by a question-and-answer opportunity.

22. Speed-Dating with an NSF Program Officer

Thursday, April 11, 2:40 p.m. - 4:20 p.m.

Organizer/Instructor: Thomas Baerwald, National Science Foundation

Instructors: Antoinette WinklerPrins, National Science Foundation

Kelley Crews, National Science Foundation

Capacity: 40

Cost/Person: FREE

Room: Santa Anita C, Westin, Lobby Level

This is a session designed to provide individuals or groups with informal opportunities to engage in discussions of up to 10 minutes in duration with a current or recent NSF program officer. The discussions should provide participants with the opportunity inquire about project ideas, proposal-writing strategies, funding opportunities, review processes, and other questions related to standing NSF programs like the Geography and Spatial Sciences (GSS) Program and the Dynamics of Coupled Natural and Human Systems (CNH) Program as well as special competitions like those in the Science, Engineering, and Education for Sustainability (SEES) initiative.

17. Demographic Analysis and Mapping with Community Analyst

Thursday, April 11, 2:40 p.m. - 4:20 p.m.

Organizer/Instructor: Angela Lee, Esri

Capacity: 15

Cost/Person: \$10

Room: Santa Anita B, Westin, Lobby Level

Are you interested in quickly getting information about an area's demographic, economic and business conditions through interactive color-coded maps, reports, and queries? This workshop will introduce you to Esri Community Analyst, a cloud-based solution that provides easy to use mapping and geographic analysis capabilities through a web application. You can access thousands of demographic, census, health, crime and business variables to support your research or coursework. Community Analyst can be used for resource allocation, policy decisions, and market analysis, as well as to communicate the results of your analysis through maps, charts and reports.

23. Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program

Thursday, April 11, 4:40 p.m. - 6:20 p.m.

Organizer/Instructor: Thomas Baerwald, National Science Foundation

Instructors: Antoinette WinklerPrins, National Science Foundation

Kelley Crews, National Science Foundation

Capacity: 40

Cost/Person: FREE

Room: Santa Anita B, Westin, Lobby Level

This is a workshop intended for faculty members and professional geographers (not graduate students) who engage in geographic research and who wish to learn how to prepare proposals for a regular research grants. 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 also will discuss the review process, including intellectual merit and broader impacts. The presentations will be followed by a question-and-answer opportunity.

5. Networking: Promoting Yourself by Making Connections that Count

Thursday, April 11, 4:40 p.m. - 6:20 p.m.

Organizer/Instructor: Niem Huynh, AAG

Instructor: Angela Rogers, Penn State

Capacity: 20

Cost/person: \$5

Room: San Pedro, Westin, Lobby Level

This workshop features the art of networking with a focus on how to develop an effective and memorable "elevator speech," and what this promotional sound bite about yourself sounds like to prospective employers in different scenarios. The facilitators will guide participants through an interactive workshop to develop and practice your network skills on how to: creatively introduce yourself, develop and deliver a dynamic "elevator speech," and how to efficiently "work" a room to make connections with key people. The activities will be followed by a debriefing and time for Q&A.

FRIDAY, APRIL 12

24. Funding Opportunities for Geographers at the National Institutes of Health (NIH) and the National Science Foundation (NSF)

Friday, April 12, 8:00 a.m. - 9:40 a.m.

Organizer/Instructor: Thomas Baerwald, National Science Foundation

Instructor: Wilson Compton, NIH, National Institute on Drug Abuse

Capacity: 40

Cost/Person: FREE

Room: Santa Anita A, Westin, Lobby Level

Representatives from NIH and NSF will make brief presentations regarding funding opportunities for geographers and scientists from related fields. They will discuss possibilities for support from a range of programs and competitions at different NIH institutes and at NSF. Emphasis will be placed on descriptions of the kinds of research and related activity that each of these opportunities seeks to support. Opportunities will be provided to ask questions of speakers both in formal and informal settings.

WORKSHOPS

18. Preparing Geography Students for the 21st Century Workforce

Friday, April 12, 9:00 a.m. - 11:00 a.m.

Instructor/Organizer: Joy Adams, AAG

Instructors: Niem Huynh, AAG, Joseph Kerski, Esri

Capacity: 30

Cost/person: \$5

Room: *San Pedro, Westin, Lobby Level*

Many students are unfamiliar with the numerous career paths for which a degree in geography can prepare them. This workshop will introduce classroom activities designed to raise students' awareness of employment prospects and to help them articulate the value of their geography training to potential employers. Participants will collaborate in small groups to brainstorm ideas for adapting the exercises to the specific needs of their students. This workshop is suitable for educators at all grade levels and career stages.

Registered participants will receive a copy of *Practicing Geography* (Pearson 2013) and other educational resources for completing a brief workshop evaluation.

25. Proposal-Writing Strategies for NSF Faculty Early-Career Development (CAREER) Awards

Friday, April 12, 10:00 a.m. - 11:40 a.m.

Organizer/Instructor: Thomas Baerwald, National Science Foundation

Instructors: Antoinette WinklerPrins, National Science Foundation

Kelley Crews, National Science Foundation

Capacity: 40

Cost/Person: FREE

Room: *Santa Anita A, Westin, Lobby Level*

This is a workshop intended for faculty members in geographer and related fields who are assistant professors in tenure-track positions and who are interested in submitting a proposal for a Faculty Early-Career Development (CAREER) grant from the National Science Foundation. 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 also will discuss the review process, including intellectual merit and broader impacts. The presentations will be followed by a question-and-answer opportunity.

20. Becoming a Certified GISP and Why It Matters for Your Geospatial Career

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

Organizer: Jean E. McKendry, AAG

Instructors: Sheila Wilson, Executive Director, GIS Certification Institute

Bill Hodge, GIS Division Manager, City of Midland, TX

Rachel Kornak, Program Development Manager, University of Redlands

Capacity: 50

Cost/person: \$5

Room: *San Pedro, Westin, Lobby Level*

The GISCI Certification Program for GIS Professionals, launched in 2004, is a recognition program for established GIS professionals, that is a non-examination, portfolio-based system. This workshop will provide 1) an overview of the Program and advantages

of certification and 2) hands-on guidance and Q&A related to strategies for preparing an application to become certified as a GISP. Attendees will have the ability to ask questions about documentation requirements, portfolio essentials, and dialog with current GISPs. GISPs who may have questions about renewing their certification are also encouraged to attend. For more information about GISCI, visit <http://www.gisci.org>.

26. Speed-Dating with an NSF Program Officer (Repeat)

Friday, April 12, 2:40 p.m. - 4:20 p.m.

Organizer/Instructor: Thomas Baerwald, National Science Foundation

Instructors: Antoinette WinklerPrins, National Science Foundation

Kelley Crews, National Science Foundation

Capacity: 40

Cost/Person: FREE

Room: *Santa Anita B, Westin, Lobby Level*

This is a session designed to provide individuals or groups with informal opportunities to engage in discussions of up to 10 minutes in duration with a current or recent NSF program officer. The discussions should provide participants with the opportunity inquire about project ideas, proposal-writing strategies, funding opportunities, review processes, and other questions related to standing NSF programs like the Geography and Spatial Sciences (GSS) Program and the Dynamics of Coupled Natural and Human Systems (CNH) Program as well as special competitions like those in the Science, Engineering, and Education for Sustainability (SEES) initiative.

27. Wine Regions of Sicily

Friday, April 12, 2:40 p.m. - 5:40 p.m.

Organizer/Instructor: Percy H. Dougherty, Kutztown University

Capacity: 23

Cost/Person: \$35

Room: *Santa Anita A, Westin Bonaventure, Lobby Level*

Sponsored by the AAG Wine Specialty Group

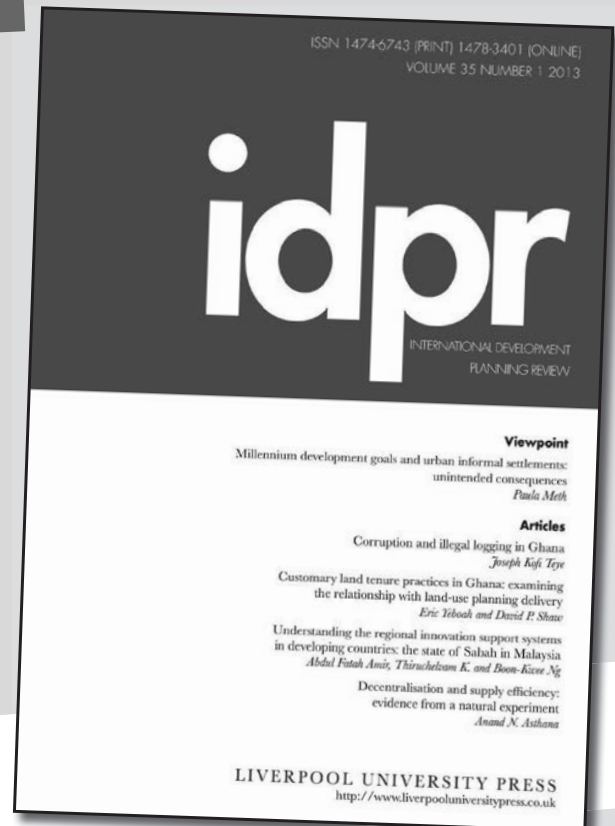
Although old in historical terms, Sicily is the hot new wine region. For more than 2500 years, Sicily has been a significant center of viticulture. Join us as we explore the unusual grape varieties that grow on the varied terroir and taste wines from a dozen different little known grape varieties. Learn how wines produced in the limestone reaches of the Alcamo region of western Sicily vary from those produced on the slopes of Mt. Etna and other regions in terms of grape type and characteristics. Taste how geography influences the type of wine in each region.

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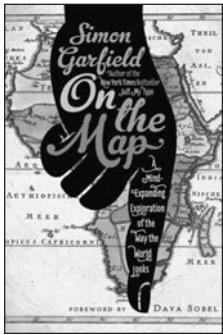
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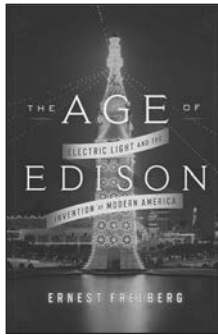
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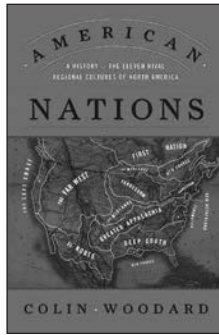
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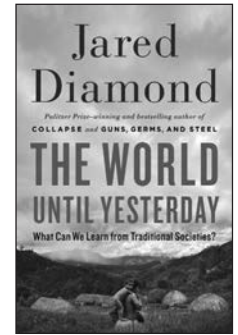
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FIELD TRIPS

All field trips will depart from the Figueroa Street access on the Second Level of the Westin.

TUESDAY, APRIL 9

1. Metro Blue Line Light Rail and Los Angeles/Long Beach Harbor Field Trip

Tuesday, April 9, 9:00 a.m. - 5:00 p.m.

Organizer/Leader: Dr. John Kirchner, California State University, Los Angeles

Trip Capacity: 35

Cost/person: \$38 (includes boat transportation, bus transportation, handouts)

Participants will travel by light rail on the Metro Blue Line from Metro Center to the MTA Operations Center at Rosa Parks Station. The Blue Line is the nation's single heaviest light rail line, with over 70,000 daily riders. We will have a brief tour of the MTA facility, and then continue on to Long Beach for a no host lunch. From there we will continue by bus to Terminal island to begin a 2.5 hour tour of the Los Angeles-Long Beach harbors, the nation's largest general cargo complex. We will have a close up look at a variety of marine, rail and truck activities, including container shipping, traditional break-bulk shipping, and dry and liquid bulk shipping. We will use the MV Yellowfin, a research vessel operated by the CSU affiliated SCMI (Southern California Marine Institute). Return to hotel by bus. No open toed shoes or loafers, no high heels due to safety regulations.

21. Exploring GIS Technology Trends and Career Opportunities at Esri

Tuesday, April 9, 11:30 a.m. - 6:00 p.m.

Organizers: Angela Lee, Maryann Stanson, Esri

Leader: David DiBiase, Esri

Trip Capacity: 50

Cost/person: \$5

Visit Esri Headquarters in Redlands, CA for a half-day event including presentations on technology trends and conversations with Esri staff. Presentations will include an introduction to ArcGIS Online, Esri's cloud GIS platform, and CityEngine, a 3D urban modeling tool. In addition, Esri University Programs staff will discuss career opportunities at Esri and across the geospatial industry. Meet with Esri staff from departments such as Software Development, Industry Solutions, Educational Services, Support Services, and Technical Marketing to hear first-hand what it's like working at Esri and to expand your professional network.

9. A 360-Degree View of the LA Region from Atop Mt. Hollywood

Tuesday, April 9, 5:00 p.m. - 9:00 p.m.

Organizer/Leader: Stefano Bloch, California State University Northridge / Los Angeles City College

Trip Capacity: 28

Cost/person: \$19 (includes van transportation)

At 1,625 feet, Mt. Hollywood is one of the highest points in the City of Los Angeles. From its peak, a moderate-intensity 40-minute hike from the Griffith Observatory above Hollywood, participants will be able to take in a 360-degree view of the LA region. Once at the top

I will provide a bird's eye tour of major natural and human-made landmarks—from 10,000-foot peaks in the east to Catalina Island 22 miles off the Pacific Coast to the south-west, and all forms of urban planning, land-use features, and iconic infrastructure in between. Attendees should bring comfortable walking shoes, water, and light trail snacks.

WEDNESDAY, APRIL 10

2. Geography of the Santa Monica Mountains

Wednesday, April 10, 9:00 a.m. - 6:00 p.m.

Organizer/Leader: William Selby, Santa Monica College, Sarah Goggin, Cypress College

Trip Capacity: 25

Cost/person: \$60 (includes bus transportation, handouts)

Organized by the AAG Community College Affinity Group

Like an arrowhead cutting through the heart of Los Angeles, the Santa Monica Mountains represent the only mountain range bisecting a major U.S. city. They offer countless opportunities to explore open spaces and wildlands. This one-day trip will focus on physical forces shaping the range's natural landscapes, including geology, weather/climate, biogeography, some hydrology and coastal processes. We may include Native American and land-use history in our explorations. We will cover a large area on our bus tour, including short walks and a lunch stop. Bring water and lunch money. Appropriate dress should include hat, sunscreen, long pants, and walking shoes.

10. An Exploration of Chinatowns and the Hsi Lai Temple

Wednesday, April 10, 9:00 a.m. - 3:00 p.m.

Organizer/Leader: Lei Xu, California State University, Fullerton

Trip Capacity: 27

Cost/person: \$36 (includes bus transportation, lunch)

The field trip will start by briefly exploring the old Chinatown in downtown L.A. and the thriving suburban Chinatown in Rowland Heights and Hacienda Heights. Participants will investigate how the different waves of Chinese immigrants shaped the cultural landscape in different ways. Participants will then attend a guided tour at the Hsi Lai Temple, the largest Chinese Buddhist temple in the Western Hemisphere, and enjoy a very delicious, genuine Chinese vegetarian lunch buffet there. After lunch participants will stop by Hong Kong Plaza, exploring Chinese culture and traditions as well as various aspects of the lives of Chinese Americans.

22. Landscapes of the Palos Verdes Peninsula

Wednesday, April 10, 9:00 a.m. - 5:00 p.m.

Organizer/Leader: Ray Sumner, John Menary, Long Beach City College

Trip Capacity: 25

Cost/person: \$63 (includes lunch, bus transportation)

How have waves of immigrants envisioned and altered this beautiful, but often unstable, landscape? Ranches, fishing and Japanese farmers have been replaced by exclusive and expensive

FIELD TRIPS

All field trips will depart from the Figueroa Street access on the Second Level of the Westin.

residential cities and resorts. This one-day tour of the Peninsula addresses these changes demonstrating the role of disparate physical and human geographic events in analyzing landscape alteration. Sites visited include marine terraces, landslides, restoration of once undervalued coastal sage scrub, visionary town planning and architecture, developers' dreams and ethnic settlements. Participants should dress for short walks, and bring hat, sunscreen, water, camera and binoculars, probably a jacket. A healthy lunch in an elegant setting is included. Handouts will be supplied.

33. Temecula Wine Country Tour

Wednesday, April 10, 9:00 a.m. - 5:00 p.m.

Organizer/Leader: Gregory V. Jones, Southern Oregon University

Trip Capacity: 48

Cost/person: \$61 (includes bus transportation, lunch)

Sponsored by the AAG Wine Specialty Group

The Temecula Valley is located within a short drive of downtown Los Angeles in a veritable paradise which encompasses an area including over 35,000 acres of rolling hills and vineyards. Rural in nature, sustainable in farming practices and including an agricultural preserve known as the Citrus/Vineyard zone, the Temecula Valley is widely recognized as the 'jewel' of Riverside County. This day long field trip will visit vineyards and wineries in the region to learn about and experience the wines of the region. Lunch is included.

11. New Downtown LA Tour

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

Organizer/Leader: Geoff DeVerteuil, University of Southampton UK

Trip Capacity: 14

Cost/person: \$5

This is a walking tour of the newer parts of Downtown Los Angeles, which include Bunker Hill, the new skyline, the Figueroa Corridor, South Park and LA Live. But it will also briefly include a few older neighborhoods for contrast: Broadway, Pershing Square and the Jewelry District. Essentially, the new Downtown emerged from the 1960s onwards alongside, rather than crushing and replacing, the older 1920s Downtown. Despite LA's sprawl, walking the new Downtown allows a quick, compact microcosm of LA's social and economic diversity, polarization and potential future.

20. Sustainable Santa Monica

Wednesday, April 10, 8:00 a.m. - 6:00 p.m.

Organizer: Georgia Silvera Seamans, Sustainable Pacific Rim Cities and Yale Blue Green

Leaders: Brenden McEneaney, City of Santa Monica; NRDC; Steve Glenn, LivingHomes

Trip Capacity: 20

Cost/person: \$5 (bring money for Big Blue Bus fare, lunch)

Famous for its beach and Pier, Santa Monica is increasingly known for its commitment to environmental, economic, and social sustainability. The Sustainable Santa Monica Field Trip will explore several examples of green living, working, and eating across municipal, nonprofit, and private sectors. The morning segment

of the field trip will be led by Brenden McEneaney of the City of Santa Monica. Mr. McEneaney will guide us in the morning to the Santa Monica Urban Runoff Recycling Facility, Bicknell Street Greening project, Civic Center Parking Structure/ Public Safety Facility / Expo Line, 502 Colorado Court (LEED Gold), and Main Library (LEED Gold). We will eat lunch at the "largest grower-only *Certified* Farmers Market in Southern California," the Wednesday Downtown Farmer's Market. After lunch, NRDC staff will give us a tour of the organization's LEED Platinum building. Participants can then choose to return to the hotel or extend the tour to visit the first home certified LEED for Homes Platinum, the 2480 square foot, four-bedroom LivingHome Santa Monica. We will return to conference HQ by Big Blue Bus (participants should bring \$5). The tour will begin at the Santa Monica Pier. Participants are encouraged to take the Big Blue Bus Rapid 10 which stops near conference HQ (Westin Bonaventure Hotel & Suites) downtown Los Angeles.

12. A Walk Through the Historic Core of Downtown Los Angeles

Wednesday, April 10, 12:40 p.m. - 2:10 p.m.

Organizer/Leader: Curtis C. Roseman, USC Emeritus

Trip Capacity: 14

Cost/person: \$5

The heart of downtown Los Angeles for a good part of the twentieth century lay along Hill, Broadway, Spring, and Main Streets. The early-century built environment housed shopping, banking, lodging, service, and entertainment functions. This walk will focus on the historic buildings that dominate the area today and how this quintessential twentieth-century American downtown has changed over the last 40 years.

23. Observe a Significant Piece of the Slow Food Movement with the Hollywood Community Garden Tour

Wednesday, April 10, 1:00 p.m. - 4:00 p.m.

Organizer: Marinda Griffin, University of North Texas

Leader: Kavita Sharma, Los Angeles Community Garden Council

Trip Capacity: 20

Cost/person: \$44 (includes bus transportation, lunch)

Observe a significant piece of the Slow Food Movement with the Hollywood Community Garden Tour. Community gardens provide a variety of social and economic benefits to communities. They bridge the gap between our food and how it's produced by holding educational seminars to community members and providing a sustainable food source. The Hollywood Community Garden Tour will consist of a visit to 4 local community organized gardens including the Raymond Avenue Garden, where 30 neighborhood families collectively grow fruits and vegetables. The gardeners hope to alleviate food deserts, referenced as areas with limited access to fresh produce that is absent of preservatives and other harmful ingredients in produced foods. The solar powered Enrique Noguera Garden is located at the Stephen Bloodworth Schoolhouse. It's a community garden where children are given an opportunity to learn at a young age how to cultivate fresh fruits and vegetables. The Fountain Avenue Garden is one of largest community gardens

FIELD TRIPS

All field trips will depart from the Figueroa Street access on the Second Level of the Westin.

in Los Angeles. There are over 60 plots tended by more than 100 gardeners. It is also a project of the Los Angeles Community Garden Council. The last garden is the Wattles Garden. It was once the avocado and fruit orchard of the historic Wattles Mansion, where it is located. It consists of over 4-acres of organic garden plots, including avocado wood sculptures donated by one of the garden leaders. The tour will be led by a member of the Los Angeles Community Garden Council, a group of community gardeners whose mission is to connect people with community garden space in their neighborhood.

THURSDAY, APRIL 11

13. Tejon Ranch and Conservancy: Western Mojave Biogeography and Conservation Planning

Thursday, April 11, 7:30 a.m. - 5:00 p.m.

Organizers/Leaders: James Hayes, California State University, Northridge, Shanon Donnelly, University of Akron

Trip Capacity: 15

Cost/person: \$49 (includes transportation, lunch)

The Tejon Ranch Company recently reached an agreement to place 90% of its lands under the stewardship of the Tejon Conservancy, an independent nonprofit organization. Trip includes a morning driving tour of vegetation and wildlife of western Mojave grasslands, Joshua Tree woodlands, and lower montane canyons of Tejon Ranch, a box lunch at historic Beale Adobe, and presentations from Conservancy staff on the history of the ranch and the recent conservation agreement, including the developing conservation plan and Ranch Company plans for sustainable development. Be prepared for outdoor conditions, weather, and range of temperatures. Approx. 1.5-hour drive to Tejon.

3. Across the Top of L.A.

Thursday, April 11, 9:00 a.m. - 6:00 p.m.

Organizer: Susan Spano, Self-Employed

Leader: Catharine Hamm, Editor, Los Angeles Times travel section

Trip Capacity: 25

Cost/person: \$58 (includes bus transportation, handouts, drinks)

An exceptionally scenic drive on Mulholland Highway, 55 miles from Hollywood to the Pacific Coast along the backbone of the Santa Monica Mountains. Stops include overlooks toward the L.A. Basin and San Fernando Valley, the Hollywood Bowl, Paramount Ranch and a surfer hangout in Malibu. Named for the L.A. Water Department superintendent who helped develop the arid San Fernando Valley by stealing water from the High Sierra, the road opens like a storybook, telling how geography, greed and ego shaped greater L.A. Participants should bring bag lunches and extra money for dinner, drinks or snacks at Neptune's Net.

24. Tour of the Los Angeles Public Library Map Collection

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

Organizer: Jennifer Mapes, Kent State University

Trip Capacity: 20

Cost/person: FREE

Sponsored by the AAG Cartography Specialty Group

Four floors below downtown LA resides the Map Collection of the Los Angeles Public Library, one of the largest in American public libraries. Glen Creason, map librarian since 1989 and author of "Los Angeles in Maps," will lead two behind-the-scenes tours of the collection on Thursday, April 11 and Friday, April 12 at the Central Library, located steps from both conference hotels. The map collection is over one hundred years old, contains more than 100,000 items and represents a wide scope, including local, national and international cartography. The strength of the archive is in the materials on Los Angeles and the West including historical topographical quadrangles, street maps dating back to 1849, and Fire Insurance atlases. Both tours are free and participants should meet at the tour start time in the Westin lobby to walk over to the library.

4. Whirlwind Tour of Downtown Los Angeles with Hal Bastian

Thursday, April 11, 10:00 a.m. - 12:00 p.m.

Organizer: Chandana Mitra, Auburn University

George Pomeroy, Shippensburg University

Leaders: Hal Bastian, Downtown Center Business Improvement District - Best Downtown Cheerleader

Justin Regis, Downtown Center Business Improvement District

Trip Capacity: 40

Cost/person: \$5

Organized by the Regional Development and Planning Specialty Group

As senior vice president and director of economic development for the Downtown Center Business Improvement District, Hal Bastian's job is to get people excited about coming to Downtown LA. Hal provides a very comprehensive tour with exclusive details and historical facts, based off of his own discoveries and observations over the years. Bastian spends much of his time leading tours of the area. During the walking tour he will talk about how the downtown was revitalized, and how he introduced new things which attracted people and business to LA downtown.

14. New Downtown LA Tour (Repeat)

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

Organizer/Leader: Geoff DeVerteuil, University of Southampton UK

Trip Capacity: 14

Cost/person: \$5

This is a walking tour of the newer parts of Downtown Los Angeles, which include Bunker Hill, the new skyline, the Figueroa Corridor, South Park and LA Live. But it will also briefly include a few older neighborhoods for contrast: Broadway, Pershing Square and the Jewelry District. Essentially, the new Downtown emerged from the 1960s onwards alongside, rather than crushing and replacing, the older 1920s Downtown. Despite LA's sprawl, walking the new Downtown allows a quick, compact microcosm of LA's social and economic diversity, polarization and potential future.

FIELD TRIPS

All field trips will depart from the Figueroa Street access on the Second Level of the Westin.

25. A People's Guide Tour of Downtown Los Angeles

Thursday, April 11, 10:00 a.m. - 3:00 p.m.

Organizers/Leaders: Laura Pulido, University of Southern California, Laura Barraclough, Kalamazoo College

Trip Capacity: 20

Cost/person: \$5 (bring \$20 for lunch, transit pass)

Break out of downtown LA's luxury hotel zone and consumer playground to learn about the city's power relations. Led by the authors of *A People's Guide to Los Angeles*, this tour examines downtown's landscapes of oppression, struggle, and resistance. Stops include the former offices of the Partido Liberal Mexicano, a revolutionary anarchist group; muralist David Siqueiros' Tropical America, which critiques U.S. imperialism; Yang-Na, the region's largest indigenous settlement before colonization; Downey Block, where enslaved native Americans were auctioned; and Biddy Mason Park, honoring a freed slave who became an influential businesswoman and leader. Bring \$20 cash for lunch and public transit.

15. Tasting the Wines of Croatia and Slovenia

Thursday, April 11, 3:30 p.m. - 6:30 p.m.

Organizer: Conrad "Mac" Goodwin, PhD, Independent Scholar

Leaders: Maja Djorjev, University of Tennessee, Kathryn Barnard, Portland State University

Trip Capacity: 30

Cost/person: \$60 (includes snacks, tasting fees)

Organized by the AAG Wine Specialty Group and European Specialty Group

Continuing the tasting of Central European wines begun last year, in 2013 in LA you will be able to expand your palettes with 6 wines from Croatia and 6 different ones from Slovenia. The Croatian wines come from the country's two wine regions, one coastal, the other, continental. The Slovene wines will come from two of the nation's three wine regions, Primorska and Podravje. The 2-hour tasting (4-6PM) is held at the Buzz Wine Beer Shop within walking distance of the AAG meeting. Our host is Mr. Frank Dietrich, owner of Blue Danube Wine Co. in Los Angeles.

FRIDAY, APRIL 12

32. Los Angeles Rail Transit Gold/Red Lines and Transit-Oriented Development

Friday, April 12, 8:30 a.m. - 4:30 p.m.

Organizer/Leader: Andrew Goetz, University of Denver, Keith Ratner, Salem State University

Trip Capacity: 28

Cost/Person: \$35 (includes lunch, snacks)

Sponsored by the Transportation Specialty Group and the Urban Specialty Group

The field trip will start with an overview of the current and future Los Angeles rail transit system at the Los Angeles County Metropolitan Transportation Authority (LACMTA) headquarters near Union Station. In the morning, we will ride the Gold line to Pasadena to observe examples of transit-oriented development

at key locations along the corridor. After returning to the Union Station area for lunch, we will ride the Red line to Hollywood and observe several more examples of transit-oriented development in that corridor.

28. Ag in the City: Farmland and Ranches in the West San Fernando Valley

Friday, April 12, 8:30 a.m. - 6:30 p.m.

Organizer/Leader: Gina K. Thornburg, Kansas State University

Trip Capacity: 23

Cost/person: \$71 (includes transportation, lunch, snacks, handouts)

Sponsored by the Geographies of Food and Agriculture Specialty Group and the Rural Geography Specialty Group

This field trip encompasses three sites important in the agricultural history of Los Angeles, two with links to present-day food-provisioning networks: Los Angeles Pierce College, dating to 1947 and providing 250 acres of open space that include a working farm, equine facilities, a historic landmark, a farm stand, and an agritourism attraction; the Leonis Adobe, a Los Angeles Historic-Cultural Landmark dating to 1844; and the Orcutt Ranch Horticulture Center, also a Los Angeles Historic-Cultural Landmark, comprising the 24-acre remnant of a 210-acre cattle ranch dating to 1926. Lunch will be at the iconic Follow Your Heart vegetarian restaurant in downtown Canoga Park, a former agricultural community that celebrated its centennial in 2012. Talks by knowledgeable people connected to each site will be given. If time allows and participants are willing, the trip may end with a visit to one last historic ranch site, the 2,500-acre Ahmanson Ranch (now called the Upper Las Virgenes Canyon Open Space Preserve), where we could enjoy an easy hike before sunset in the beautiful Simi Hills. Wear sturdy shoes and bring a canteen of water.

27. Taste of Orange County's Little Saigon and 'Landscapes of Change' in Downtown Santa Ana

Friday, April 12, 9:00 a.m. - 5:00 p.m.

Organizer/Leader: Vienne Vu, San Diego Mesa College, Tiffany Seeley, California State University, Fullerton

Trip Capacity: 22

Cost/person: \$31 (includes transportation)

Discover Orange County's two major ethnic enclaves. Learn the history of Little Saigon, the largest Vietnamese community outside of Vietnam, while exploring its multifaceted cultural landscape. We will then consider the changing landscapes in downtown Santa Ana, home of one of the region's most significant Latino enclaves and the gentrifying "Artist's Village". We will discuss the area's importance for immigrants and established Latinos while learning how redevelopment efforts are re-branding downtown as a "place for the arts" and challenging Latino residents' well-established sense of place. Please bring cash for various food opportunities and for lunch at a Vietnamese eatery.

FIELD TRIPS

All field trips will depart from the Figueroa Street access on the Second Level of the Westin.

5. Tour of Dodger Stadium

Friday, April 12, 10:00 a.m. - 1:00 p.m.

Organizer/Leader: Dr. Richard Marston, Kansas State University

Trip Capacity: 25

Cost/person: \$24 (includes admission, bus transportation)

Since 1962, Dodger Stadium has welcomed fans from all corners of the globe and enchanted them with its breathtaking views and its storied past. This 56,000-seat icon of American sports history has been home to some of the greatest players in the game and is home to the best fans in all of baseball. With parking for more than 16,000 automobiles and 21 terraced parking lots adjacent to the same elevations as the six different seating levels.

The Dodger Stadium Tour provides fans the opportunity to see the ballpark in a very unique fashion. This behind-the-scenes tour lets fans visit some of the most restricted and non-public areas and view the Stadium from a whole new perspective. As baseball's third-oldest stadium, Dodger Stadium remains one of the game's most beautiful and most historic venues. Highlights of the tour may include a trip down to the field at Dodger Stadium, a visit into the Dodger Dugout, an exclusive look at the Dugout Club, the VIP restaurant and lounge located behind home plate and home to two World Series trophies, a walk through the Vin Scully Press Box, where the story of Dodger Baseball is covered from every angle, and more surprises! We will also discuss the removal of hispanics who had settled in Chavez Ravine, an action that remains controversial.

6. The Arroyo Seco: Rocket Propulsion, Freeways, and Nature in Northeast L.A.

Friday, April 12, 10:00 a.m. - 3:00 p.m.

Organizer/Leader: Lorne Platt, Central Connecticut State University

Trip Capacity: 14

Cost/person: \$6

The Arroyo Seco is a (usually) dry river course that runs through many of the unique communities that make up Los Angeles. This trip will examine the Arroyo Seco from its rugged origins in the San Gabriels to its confluence with the Los Angeles River. Along the way, we'll use public transportation (MTA's Gold line) to stop and examine the Arroyo's role in America's space exploration and parkway development. This trip will also allow us to experience the neighborhoods that make up the Arroyo and Northeast Los Angeles. Attendees should bring \$6 for a transit pass and \$10-\$15 for lunch.

16. New Downtown LA Tour (Repeat)

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

Organizer/Leader: Geoff DeVerteuil, University of Southampton UK

Trip Capacity: 14

Cost/person: \$5

This is a walking tour of the newer parts of Downtown Los Angeles, which include Bunker Hill, the new skyline, the Figueroa Corridor, South Park and LA Live. But it will also briefly include a few older neighborhoods for contrast: Broadway, Pershing Square and the Jewelry District. Essentially, the new Downtown emerged from the 1960s onwards alongside, rather than crushing and replacing, the older 1920s Downtown. Despite LA's sprawl, walking the new Downtown allows a quick, compact microcosm of LA's social and economic diversity, polarization and potential future.

18. A Walk Through the Historic Core of Downtown Los Angeles (Repeat)

Friday, April 12, 12:40 p.m. - 2:10 p.m.

Organizer/Leader: Curtis C. Roseman, USC Emeritus

Trip Capacity: 14

Cost/person: \$5

The heart of downtown Los Angeles for a good part of the twentieth century lay along Hill, Broadway, Spring, and Main Streets. The early-century built environment housed shopping, banking, lodging, service, and entertainment functions. This walk will focus on the historic buildings that dominate the area today and how this quintessential twentieth-century American downtown has changed over the last 40 years.

30. Tour of the Los Angeles Public Library Map Collection

Friday, April 12, 12:45 p.m. - 2:00 p.m.

Organizer/Leader: Ariana White, University of Oregon

Trip Capacity: 20

Cost/person: FREE

Sponsored by the AAG Cartography Specialty Group

Four floors below downtown LA resides the Map Collection of the Los Angeles Public Library, one of the largest in American public libraries. Glen Creason, map librarian since 1989 and author of "Los Angeles in Maps," will lead two behind-the-scenes tours of the collection on Thursday, April 11 and Friday, April 12 at the Central Library, located steps from both conference hotels. The map collection is over one hundred years old, contains more than 100,000 items and represents a wide scope, including local, national and international cartography. The strength of the archive is in the materials on Los Angeles and the West including historical topographical quadrangles, street maps dating back to 1849, and Fire Insurance atlases. Both tours are free and participants should meet at the tour start time in the Westin lobby to walk over to the library.

FIELD TRIPS

All field trips will depart from the Figueroa Street access on the Second Level of the Westin.

SATURDAY, APRIL 13

7. Inland Empire Hazards and Mojave River History

Saturday, April 13, 8:00 a.m. - Sunday, April 14, 6:00 p.m.

Organizer/Leader: Norman Meek, Department of Geography and Environmental Studies, CSU San Bernardino

Trip Capacity: 14

Cost/person: \$175

On this 2-day trip we will look at some flood and fault hazards in the San Gabriel valley followed by a visit to the San Andreas fault. Then we will travel down the Mojave River to examine its dynamic Quaternary history. Lodging will be in bunk beds at the Zzyzx oasis. Bring a hat, coat, sunscreen, hiking boots, a camera, money for one lunch, basic toiletries, and a sleeping bag. Costs include transportation, lodging, 1 dinner, 1 breakfast, 1 sack lunch, a field guidebook, and snacks.

29. Notorious L.A.

Saturday, April 13, 8:00 a.m. - 6:00 p.m.

Organizer/Leader: Dr. Geoffrey DeVerteuil, University of Southampton (UK)

Trip Capacity: 27

Cost/person: \$43 (includes bus transportation)

Faulkner once said that LA is best seen at night, and from a distance. On this fieldtrip, you will see the underbelly up-close and in broad daylight. This wide-ranging, all-day trip features four key areas - Downtown LA/Boyle Heights, South LA, Mid-Wilshire and Hollywood - and is part Davisian critical geography, part celebrity death and humiliation, and part recognition of LA's uneven remaking since the 1980s and early 1990s. Participants should bring \$15 for lunch.

31. Activist Geographies of the Los Angeles Port and Goods Movement Complex

Saturday, April 13, 9:00 a.m. - 4:00 p.m.

Organizers/Leaders: Juan De Lara, University of Southern California, Martha Matsuoka, Occidental College, Chris Benner, University of California Davis

Trip Capacity: 25

Cost/person: \$50 (includes bus transportation, lunch, snacks)

This bus tour will introduce participants to leading community, labor, public health, and environmental organizers from the Wal-Mart Worker campaign, the Coalition for Clean and Safe Ports, the Port Working Group of the Green LA Coalition, and the Food Workers Alliance - as we explore key sites in the L.A. Goods Movement Complex. The tour will highlight labor and environmental justice struggles that have rescaled and reframed local and global debates about economic development. We will make several stops near the port and adjacent communities as we explore how LA's Goods Movement Complex has produced new challenges and opportunities for social justice organizing.

8. Los Angeles' Cultural Neighborhoods

Saturday, April 13, 9:00 a.m. - 6:00 p.m.

Organizer/Leader: William Selby, Santa Monica College, Sarah Goggin, Cypress College

Trip Capacity: 46

Cost/person: \$60 (includes bus transportation, handouts)

Organized by the AAG Community College Affinity Group

Also known as the famous, "Eat Your Way through L.A." tour, we will explore as many cultural neighborhoods as possible in one day. We will learn about the people and history hidden within each landscape and participants will sample a variety of ethnic foods along the way. We will review urban geography issues, present and future, as we tour the world within the most diverse city on the planet.

Participants should bring a good map, hat and sunscreen, water, walking shoes, and cash for sampling food (including your lunch). You can get a preview of our tour at: http://homepage.smc.edu/selby_william/SelbyProject_print.pdf.

19. A Walk Along the Great Wall of Los Angeles Mural

Saturday, April 13, 9:15 a.m. - 12:00 p.m.

Organizer/Leader: Stefano Bloch, California State University Northridge / Los Angeles City College

Trip Capacity: 28

Cost/person: \$18 (includes van transportation)

At 1/2 mile in length, the *Great Wall of Los Angeles* by Judith Baca is the longest mural on earth. It is also a prime example of the critical Chicano mural aesthetic. We will walk the length of the mural, which depicts a radical view of local, national, and international history up to 1984. Painted in a tributary to the Los Angeles River in the San Fernando Valley, and situated along a curving footpath lined with grass and trees, the tour is perfect for people of all ages and abilities. Handout books can be purchased for \$35 (optional). Participants should bring water and light snacks.



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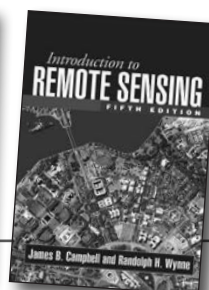
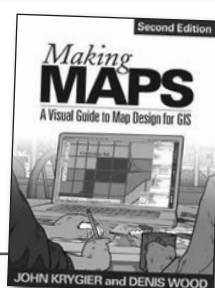
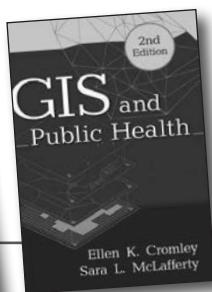
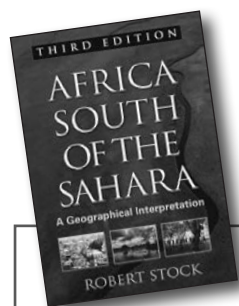
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EXHIBIT HALL

The 2013 AAG Annual Meeting Exhibitors will be located in the **Pasadena Room**, located in the Westin Bonaventure, one level below the main Lobby Level.

The AAG is providing **complimentary wireless internet** access for attendees and exhibitors in the Exhibit Hall during the Exhibit Hall Hours listed below. Visit the AAG Registration Desk for details.

Exhibit Hall Hours

Wednesday, April 10 9:30 a.m. - 5:30 p.m.
 Thursday, April 11 9:30 a.m. - 5:30 p.m.
 Friday, April 12 9:30 a.m. - 3:30 p.m.

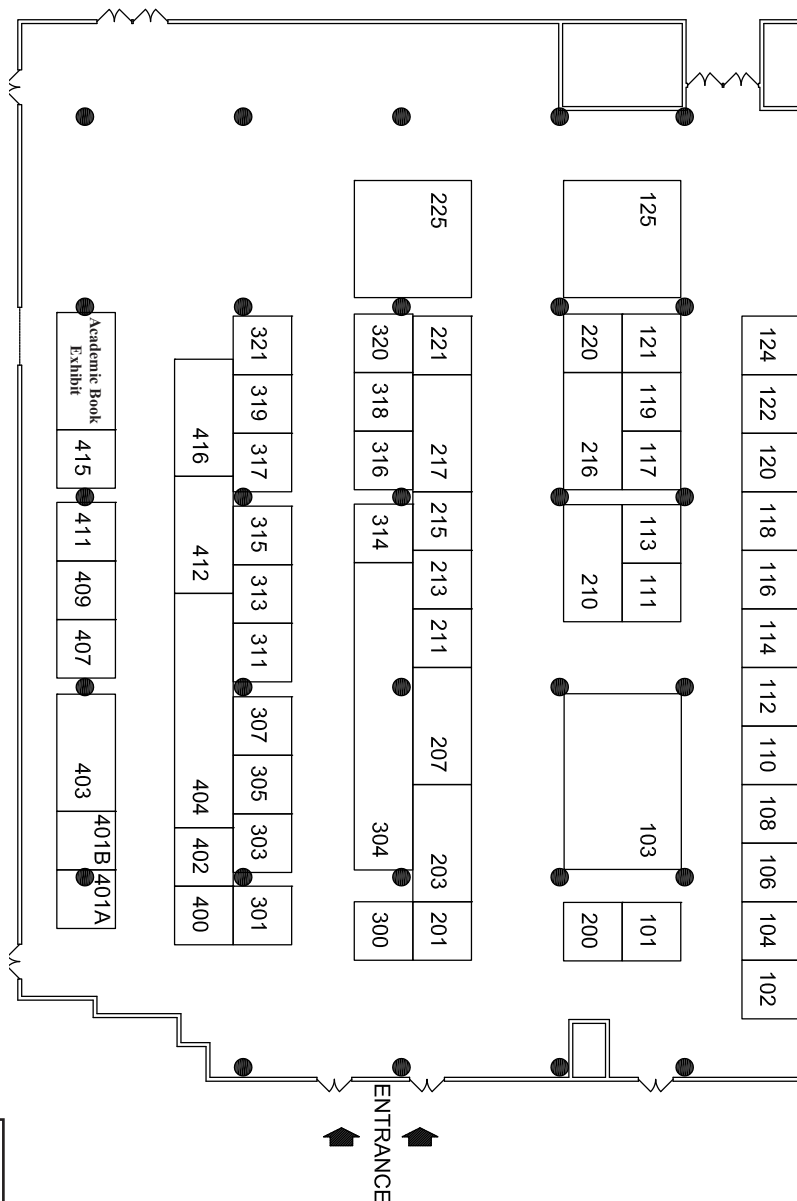


Exhibit Hall Twitter Scavenger Hunt

New for 2013, the AAG will offer a Twitter Scavenger Hunt in the Exhibit Hall. Participate in the scavenger hunt for an opportunity to win a complimentary 2014 Annual Meeting conference registration. One winner will be selected for each day the Exhibit Hall is open (Wednesday – Friday). Follow the AAG on twitter for more information: @theAAG.

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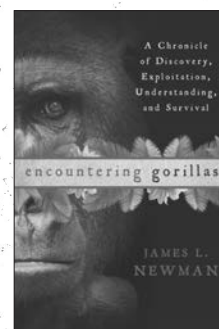
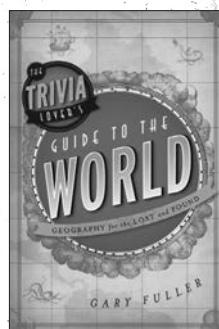
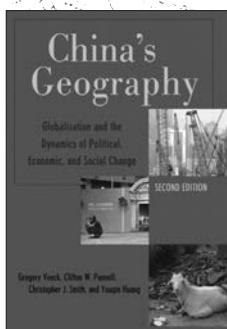
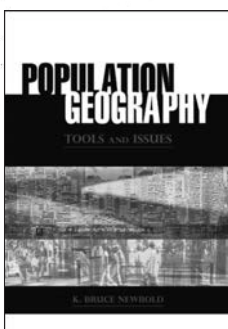
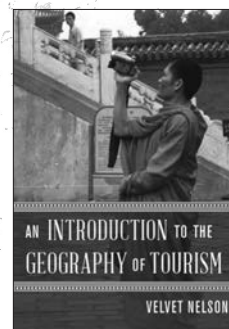
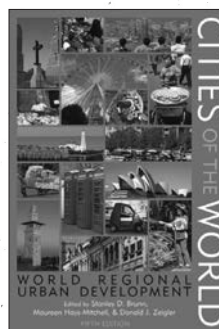
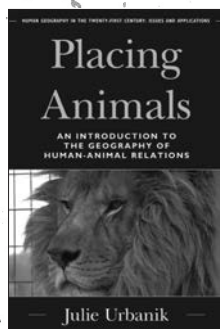
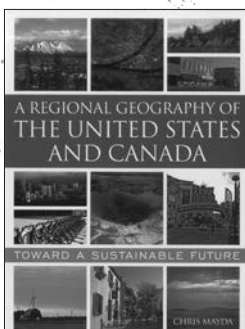
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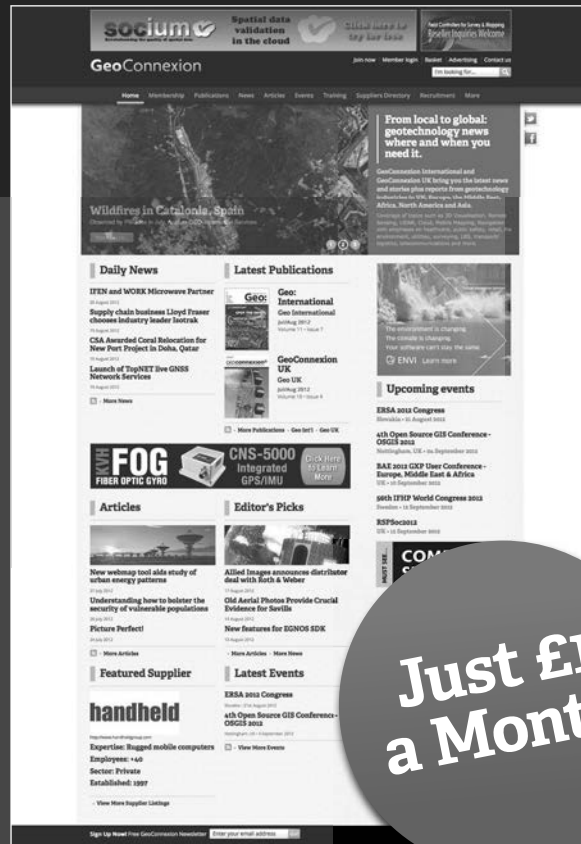
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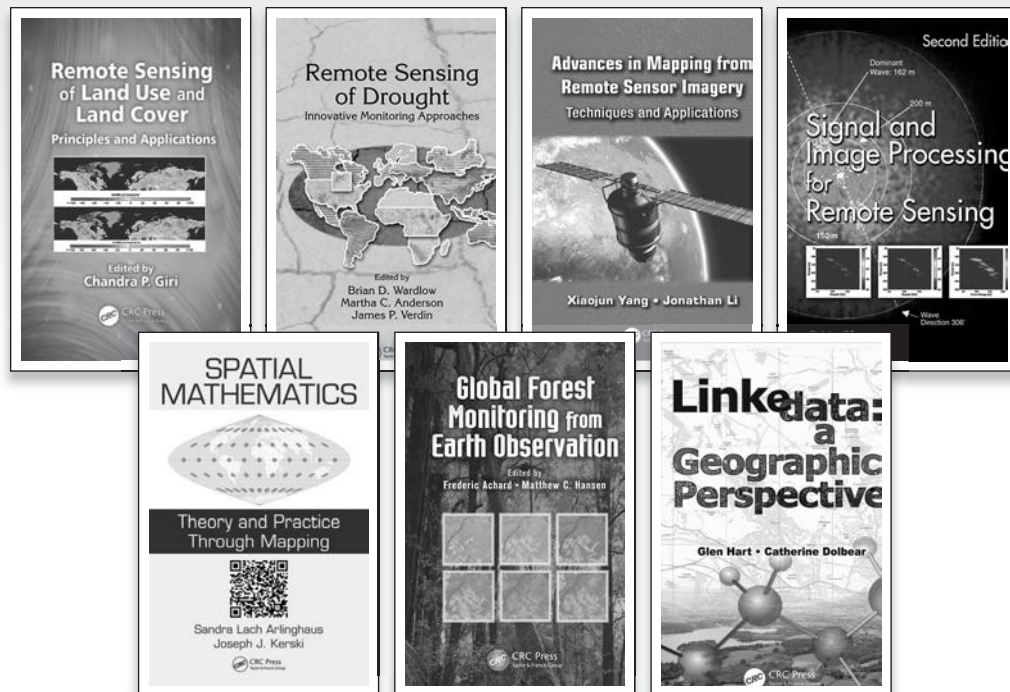
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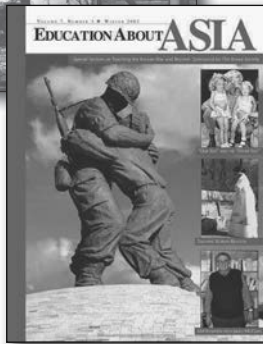
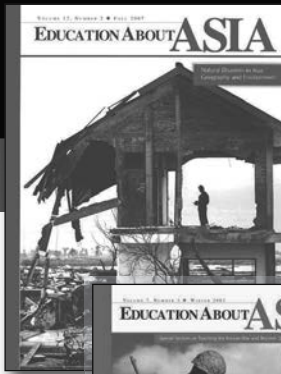


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2. Consult the program addenda for CANCELLATIONS in your session. Paper withdrawals are noted in the daily bulletin. Plan how you will use any free time for the benefit of the session.
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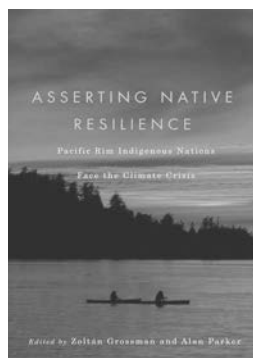


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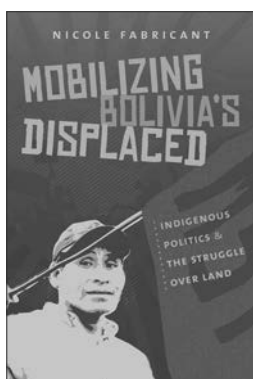
Asserting Native Resilience

Pacific Rim Indigenous Nations Face the Climate Crisis

Edited by Zoltán Grossman and Alan Parker
Presents a rich variety of Indigenous responses to the climate crisis, reflecting the voices of more than twenty contributors, including tribal leaders, Native and non-Native scientists, scholars, and activists from the Pacific Northwest, British Columbia, Alaska, and Aotearoa/New Zealand.

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Mobilizing Bolivia's Displaced

Indigenous Politics and the Struggle over Land

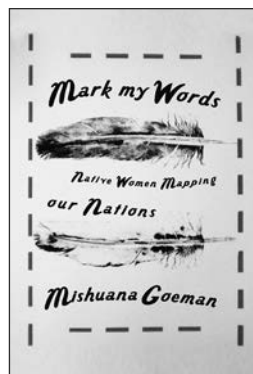
By Nicole Fabricant

Illustrates how landless peasants politicized indigeneity to shape grassroots land politics, reform the state, and secure human and cultural rights for Native peoples. Fabricant takes readers into personal spaces to show how, in response to displacement, Indigenous identity is becoming more dynamic and adaptive.

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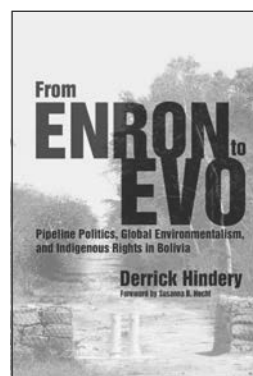
By Mishuana Goeman

Traces settler colonialism as an enduring form of gendered spatial violence, demonstrating how it persists in the contemporary context of neoliberal globalization. Mishuana Goeman provides close readings of literary texts, arguing that it is vital to refocus the efforts of Native nations beyond replicating settler models of territory, jurisdiction, and race.

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From Enron to Evo

Pipeline Politics, Global Environmentalism, and Indigenous Rights in Bolivia

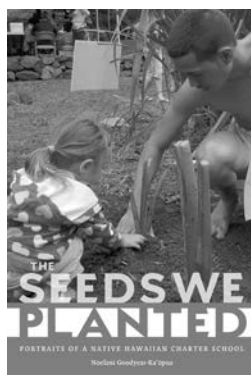
By Derrick Hindery

Foreword by Susanna B. Hecht

Offering a critique of both free-market piracy and the dilemmas of resource nationalism, *From Enron to Evo* is groundbreaking book for anyone concerned with Indigenous politics, social movements, and environmental justice in an era of expanding resource development.

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The Seeds We Planted

Portraits of a Native Hawaiian Charter School

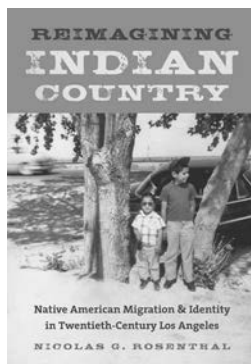
By Noelani Goodyear-Ka'ōpua

Revealing the paradoxes of teaching Indigenous knowledge within institutions built to marginalize and displace it, *The Seeds We Planted* tells the story of Hālau Kū Māna, one of the only Hawaiian culture-based charter schools in urban Honolulu.

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Reimagining Indian Country

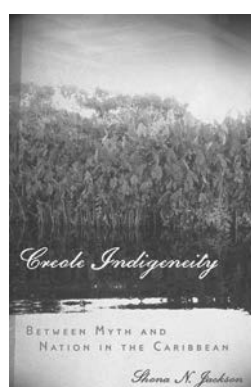
Native American Migration and Identity in Twentieth-Century Los Angeles

By Nicolas G. Rosenthal

In the twentieth century, cities have played a defining role in modern American Indian life. Rosenthal emphasizes lived experiences and examines the evolution of Native American identity in recent decades. He argues that Indian identity must be understood as dynamics and fully enmeshed in modern global networks.

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Creole Indigeneity

Between Myth and Nation in the Caribbean

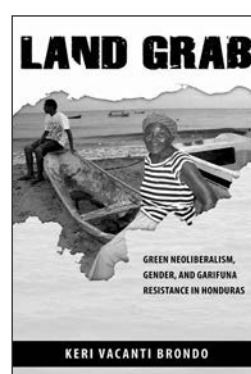
By Shona N. Jackson

During the colonial period in Guyana, the country's coastal lands were worked by enslaved Africans and indentured Indians. This book investigates how their descendants, collectively called Creoles, have remade themselves as Guyana's new natives, displacing Indigenous peoples in the Caribbean through an extension of colonial attitudes and policies.

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Land Grab

Green Neoliberalism, Gender, and Garifuna Resistance in Honduras

By Keri Vacanti Brondo

A rich ethnographic account of the relationship between identity politics, neoliberal development policy, and rights to resource management in Native communities on the north coast of Honduras. Employing a multi-disciplinary approach, Brondo critiques contemporary development paradoxes in Central America.

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

Tuesday = 1

Wednesday = 2

Thursday = 3

Friday = 4

Saturday = 5

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

Tuesday, April 9

<i>Session #</i>	<i>Time</i>
11xx	8:00 a.m. - 9:40 a.m.
12xx	10:00 a.m. - 11:40 a.m.
13xx	11:50 a.m. - 12:30 p.m.
14xx	12:40 p.m. - 2:20 p.m.
15xx	2:40 p.m. - 4:20 p.m.
16xx	4:40 p.m. - 6:20 p.m.
17xx	6:30 p.m. - 8:00 p.m.
<i>(AAG Presidential Plenary)</i>	

Wednesday, April 10

<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	6:45 p.m. - 8:00 p.m.
<i>(Plenary Session)</i>	
	7:45 p.m. - 9:45 p.m.
<i>(AAG International Reception)</i>	
28xx	8:00 p.m. - 9:00 p.m.

Thursday, April 11

<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. - 7:30 p.m.
<i>(AAG Past President's Address)</i>	
38xx	7:30 p.m. - 8:30 p.m.
39xx	8:30 p.m. - 9:30 p.m.

Friday, April 12

<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.
49xx	8:30 p.m. - 9:30 p.m.

Saturday, April 13

<i>Session #</i>	<i>Time</i>
51xx	8:00 a.m. - 9:40 a.m.
52xx	10:00 a.m. - 11:40 a.m.
53xx	11:50 p.m. - 2:00 p.m.
<i>(AAG Awards Luncheon)</i>	
	2:30 p.m. - 3:40 p.m.
<i>(AAG Business Meeting)</i>	
54xx	2:00 p.m. - 3:40 p.m.
55xx	4:00 p.m. - 5:40 p.m.

Therefore, session 1402 would be held on Tuesday, April 9 (1402) from 12:40 p.m. - 2:20 p.m. (1402) in Beaudry B of the Westin (1402).

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):

Session Room

Code#	Room Name	Facility	Level/Floor
01	Beaudry A	Westin	Lobby Level
02	Beaudry B	Westin	Lobby Level
03	La Brea	Westin	Lobby Level
04	La Cienega	Westin	Lobby Level
05	Los Cerritos	Westin	Lobby Level
06	Los Feliz	Westin	Lobby Level
07	Palos Verdes	Westin	Lobby Level
08	San Bernardino	Westin	Lobby Level
09	San Fernando	Westin	Lobby Level
10	San Gabriel A	Westin	Lobby Level
11	San Gabriel B	Westin	Lobby Level
12	San Gabriel C	Westin	Lobby Level
13	San Pedro	Westin	Lobby Level
14	Santa Anita A	Westin	Lobby Level
15	Santa Anita B	Westin	Lobby Level
16	Santa Anita C	Westin	Lobby Level
17	Santa Barbara A	Westin	Lobby Level
18	Santa Barbara B	Westin	Lobby Level
19	Santa Barbara C	Westin	Lobby Level
20	Sacramento	Westin	Level 2
21	San Diego	Westin	Level 2
22	San Francisco	Westin	Level 2
23	San Jose	Westin	Level 2
24	Avalon	Westin	Level 3
25	Emerald Bay	Westin	Level 3
26	Hollywood Ballroom	Westin	Level 3
27	Santa Monica A	Westin	Level 3
28	Santa Monica B	Westin	Level 3
29	Santa Monica C	Westin	Level 3
30	Santa Monica D	Westin	Level 3
31	Tsubaki Lounge	Westin	12th Floor
32	Laguna Parlor 3004	Westin	30th Floor
33	Laguna Parlor 3008	Westin	30th Floor
34	Laguna Parlor 3024	Westin	30th Floor
35	Laguna Parlor 3028	Westin	30th Floor
36	Laguna Parlor 3044	Westin	30th Floor
37	Laguna Parlor 3048	Westin	30th Floor
38	Laguna Parlor 3064	Westin	30th Floor
39	Laguna Parlor 3068	Westin	30th Floor
40	Malibu Parlor 3018	Westin	30th Floor
41	Malibu Parlor 3038	Westin	30th Floor
42	Malibu Parlor 3058	Westin	30th Floor
43	Malibu Parlor 3078	Westin	30th Floor
44	Malibu Parlor 3118	Westin	31st Floor
45	Malibu Parlor 3138	Westin	31st Floor
46	Malibu Parlor 3158	Westin	31st Floor
47	Malibu Parlor 3178	Westin	31st Floor

Session Room

Code#	Room Name	Facility	Level/Floor
50	Angeleno	The LA Hotel	Level 2
51	Bunker Hill	The LA Hotel	Level 2
52	Grand Ballroom Salon 1	The LA Hotel	Level 2
53	Grand Ballroom Salon 2	The LA Hotel	Level 2
54	Grand Ballroom Salon 3	The LA Hotel	Level 2
55	Grand Ballroom Salon 4	The LA Hotel	Level 2
56	Highland	The LA Hotel	Level 2
57	Hollywood	The LA Hotel	Level 2
58	Melrose	The LA Hotel	Level 2
59	Olvera	The LA Hotel	Level 2
60	Olympic	The LA Hotel	Level 2
61	Pacific Ballroom Salon 1	The LA Hotel	Level 2
62	Pacific Ballroom Salon 2	The LA Hotel	Level 2
63	Pacific Ballroom Salon 3	The LA Hotel	Level 2
64	Pico	The LA Hotel	Level 2
70	Athenian	Biltmore	Mezzanine
71	Bernard's	Biltmore	Lobby Level
72	Cordoban	Biltmore	Mezzanine
73	Corinthian	Biltmore	Mezzanine
74	Corsican	Biltmore	Mezzanine
75	Florentine	Biltmore	Mezzanine
76	Grecian	Biltmore	Mezzanine
77	Heinsbergen	Biltmore	Lobby Level
78	Mediterranean	Biltmore	Mezzanine
79	Moroccan	Biltmore	Mezzanine
80	Roman	Biltmore	Mezzanine
81	Crystal Ballroom	Biltmore	Lobby Level

Facility maps can be found on:

Pages 8-10 (Westin Bonaventure)

Pages 12 (The LA Hotel)

Pages 13 (Biltmore)

**Walking directions to The LA Hotel and Biltmore
can be found on page 7.**



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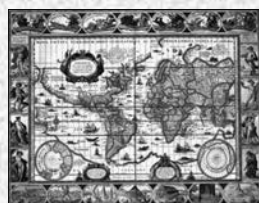


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Presenting author(s) are indicated with an asterisk ().*

For special events, please see the Special Events & Meetings Summary on p. 42-44.

TUESDAY, APRIL 9 • 8:00 AM - 9:40 AM • 1100**8:00 a.m. - 9:40 a.m.****1101. CyberGIS Symposium: Agency Perspectives (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)***Room: Beaudry A, Westin, Lobby Level (Panel Session)*

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; E. Lynn Usery, U.S. Geological Survey

CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign

Panelists: E. Lynn Usery, U.S. Geological Survey

1102. Geographies of Education: Critical Pedagogies and Praxis I (Sponsored by Geography Education Specialty Group, Cultural Geography Specialty Group)*Room: Beaudry B, Westin, Lobby Level (Paper Session)*

ORGANIZER(S): Joseph Palis, North Carolina State University; Lisa Marshall, UNC-Chapel Hill (& NC State University)

CHAIR(S): Helene DUCROS, University of North Carolina - Chapel Hill

8:00 Jerome E. Dobson, Professor*, University of Kansas; Stephanie L Kozak*, University of Kansas, *AGS Geographic Knowledge and Values Survey: "Americans Want More Geography than U. S. Education Systems Provide"*.8:20 David R. Rain*, The George Washington University, *Teaching Sustainability*.8:40 John C MacLachlan, PhD*, McMaster University; Julianne Bagg, McMaster University; Jason Brodeur, McMaster University, *Blended Learning; Assessing Geospatial Literacy*.9:00 Astrid Weissenburg, M.A.*, University of Education Karlsruhe, *Multilingual Approaches to Spatial Orientation - Developing competence-based teaching materials for Primary Geography Education*.9:20 Joseph P. Dymond*, The George Washington University, *Discipline or Lens? Why Defining Geography matters in Geographic Education*.**1103. Nature, Violence and Property I (Sponsored by Cultural and Political Ecology Specialty Group)***Room: La Brea, Westin, Lobby Level (Paper Session)*

ORGANIZER(S): Megan Ybarra, Willamette University; Alice Kelly, University of California, Berkeley

CHAIR(S): Megan Ybarra, Willamette University

8:00 Nathan Sayre*, University of California, Berkeley, *Follies of fencing and fortification: Sustainability and spatial control in the US-Mexico borderlands*.8:20 David Correia*, University of New Mexico, *An Unquiet Title: The Violent Legal Geographies of Property in Northern New Mexico*.8:40 Megan Ybarra*, Willamette University, *Crossing Borders, Losing Land: War, Displacement and Fortress Conservation*.9:00 Elizabeth Havice*, University of North Carolina-Chapel Hill; Gabriela Valdivia, University of North Carolina-Chapel Hill, *On Post-Neoliberal Natures: Food systems and conservation in the Galápagos Islands*.

Discussant(s): Nancy Peluso, University of California

1104. Critical Geographies of Children, Nature and Cities I (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group)*Room: La Cienega, Westin, Lobby Level (Paper Session)*

ORGANIZER(S): Laura Shillington, Concordia University; Ann Marie F Murnaghan, University of Manitoba

CHAIR(S): Ann Marie F Murnaghan, University of Manitoba

8:00 Cary Karacas*, City University New York - College of

Staten Island, *"In the Countryside, We are One": An Examination of the Evacuation of School Children from Urban Japan during World War II*.8:20 Laura Shillington*, Concordia University; Ann Marie F Murnaghan*, University of Manitoba, *Sand Paper: Urban Natures in North American Children's Play-spaces*.8:40 Pariss N Garramone, PhD*, York University, *Going Outside Environmental Education: Rethinking the Desire for the Nature in Environmental Education Discourse*.9:00 Frederika Eilers*, McGill University, *Room to Play: ventilation, cleanness, and individuality*.

Discussant(s): Ann Marie F Murnaghan, University of Manitoba

1105. Bridging Practice and Theory with Legal Geography 1: Geographies of environmental law at work*Room: Los Cerritos, Westin, Lobby Level (Paper Session)*

ORGANIZER(S): John Carr, University of New Mexico; Melinda Harm Benson, University of New Mexico

CHAIR(S): John Carr, University of New Mexico

8:00 Steve Herbert*, University of Washington, *Fear and Loathing in the San Juan Islands: Endangered Orcas and the Legitimacy of Environmental Law*.8:20 Carl Bauer*, University of Arizona, *Water, Law, and Development in Chile/California Cooperation, 1963-1978*.8:40 Brandon B Derman, PhD*, University of Washington, *Climate Change, Justice, and the Unfulfilled Promise of Law*.9:00 Tiffany Grobelski, PhD*, University of Washington, *Geographies of EU environmental law: nature protection in Poland*.9:20 Melinda Harm Benson*, University of New Mexico, *Compelling government enforcement of environmental protections*.**1106. Contemporary Research Strategies in Cultural Geography I (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group, European Specialty Group)***Room: Los Feliz, Westin, Lobby Level (Paper Session)*

ORGANIZER(S): Nicholas Crane, The Ohio State University; Weronika Kusek, Kent State University

CHAIR(S): Nicholas Crane, The Ohio State University

8:00 Kafui Ablode Attah*, Syracuse University, *Scatter-shot: Parsing "Data" in Research in Cultural Geography*.8:20 Nazgol Bagheri*, University of Missouri, *What Maps Tell and Don't Tell: Insights from Mapping Women in Tehran's Public Spaces*.8:40 Toby Applegate*, East Carolina University, *Approaching erased spaces: Historical materialism and theorizing difficult field experiences in cultural geography*.9:00 Jacob Miller*, University of Arizona, *Consumption, affect, politics*.

Discussant(s): Kathy Burrell, University of Liverpool

1107. Animating Geopolitics (Sponsored by Borders)*Room: Palos Verdes, Westin, Lobby Level (Paper Session)*

ORGANIZER(S): Juanita Sundberg, University of British Columbia

CHAIR(S): Leigh Barrick, University of British Columbia

8:00 Ian Shaw*, The University of Glasgow; Katie Meehan, The University of Oregon, *Force-Full: Power, Politics, and Object-Oriented Philosophy*.8:15 Juanita Sundberg*, University of British Columbia, *Animating geopolitics at the intersection of posthumanism and feminist geopolitics*.8:30 Leigh Barrick*, University of British Columbia, *Border Enforcement Strategy and the Unpredictable Nature of 'Natural Barriers'*.

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8:45 Vicki Squire*, PAIS, *Reshaping critical geopolitics? Post-humanist reflections on border struggles.*

9:00 Emma Gaalaas Mullaney*, The Pennsylvania State University, *Geopolitical Maize: Socioecological Relations and Mexico's Agricultural Modernity.*

9:15 Charmaine Chua*, University of Minnesota.
Discussant(s): Elizabeth R. Johnson, University of Wisconsin - Madison

1108. Solidarity Science(s) (Sponsored by Socialist and Critical Geography Specialty Group, Indigenous Peoples Specialty Group)

Room: San Bernardino, Westin, Lobby Level (Panel Session)
ORGANIZER(S): Brent McCusker, West Virginia University; Dianne Rocheleau, Clark University
CHAIR(S): Brent McCusker, West Virginia University
Discussant(s): Bradley Wilson, West Virginia University; Jacqueline Vadjunc, Oklahoma State University; Ben Wisner, Independent Scholar
Panelists: Katherine Foo, Clark University; Roopali Phadke, Macalester College; Padini Nirmal, Clark University

1109. Africa Capacity Indicators Report (ACIR): Research and Policy Tool for African Development (Sponsored by Africa Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: San Fernando, Westin, Lobby Level (Panel Session)
ORGANIZER(S): Francis Owusu, Iowa State University
CHAIR(S): Kobena Hanson, African Capacity Building Foundation
Panelists: Ann Frances Leautier, African Capacity Building Foundation; Francis Owusu, Iowa State University; Cristina D'alessandro, Institut d'Etudes Politiques de Paris; Godwin Arku, The University of Western Ontario

1110. Global Urbanization and Local Politics in an Age of Austerity I: Spatial Grammar and Insurgent Narrative in Local Place-Making (Sponsored by Global Urbanization, Urban Geography Specialty Group)

Room: San Gabriel A, Westin, Lobby Level (Paper Session)
ORGANIZER(S): Deborah G Martin, Clark University; Gordon MacLeod, University of Durham
CHAIR(S): Deborah G Martin, Clark University
8:00 Sarwat Viqar, PhD Candidate*, Concordia University, *Constructing Lyari: Place, Identity and Sovereignty in a Karachi Neighbourhood.*
8:20 Eliot Tretter*, University of Texas - Austin, *The Environmental Justice of Affordable Housing: East Austin, Gentrification, and Resistance.*
8:40 Nathan Marom*, UC Berkeley, *The Local Politics of Global Urbanization: Locating the World Bank's Urban and Local Government Strategy.*
9:00 Andy Walter*, University of West Georgia; Katherine B. Hankins, Georgia State University; Steven R. Holloway, University of Georgia, *The spatial grammar of place-making: Conceptualizing community development efforts in inner city Atlanta.*
Discussant(s): Lynn Staeheli, Durham University

1111. Contesting and Constructing Spaces of Mobility and Transport I (Sponsored by Urban Geography Specialty Group, Energy and Environment Specialty Group, Transportation Geography Specialty Group)

Room: San Gabriel B, Westin, Lobby Level (Paper Session)
ORGANIZER(S): Julie Cidell, University of Illinois; Donald Anderson
CHAIR(S): Jean-Paul Addie, York University
8:00 Jean-Paul Addie*, York University, *Mobility and marginality in the urban in-between.*
8:20 Christian Mettke*, Darmstadt University of Technology,

The (Post-)Suburbanization of Public Transit in the Greater Toronto Area.

8:40 Camille Gardesse*, Latts Université Paris Est; Nicola Headlam*, University of Liverpool, *Governance of highly contested spaces : A UK-French comparison. The "Triangle of Gonesse" (Paris, France) and the "Airportcity Enterprise Zone" (Manchester, UK).*

9:00 Sophie L. Van Neste*, Université INRS-UCS, *Re-framing urban mobility : the spatialities involved in Montreal and Rotterdam-The Hague.*

Discussant(s): Jason M Henderson, San Francisco State University

1112. "The Darker Side" of Geography I: Using Interdisciplinary Relationships to Bring Discussions of Race into Human-Environment Interactions (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice, Ethnic Geography Specialty Group)

Room: San Gabriel C, Westin, Lobby Level (Paper Session)
ORGANIZER(S): Priscilla McCutcheon, University of Connecticut; Ellen Kohl, University of Georgia
CHAIR(S): Ellen Kohl, University of Georgia
8:00 Isabelle Anguelovski*, Universitat Autònoma de Barcelona; Joan Martínez Alier, Universitat Autònoma de Barcelona, *The 'Environmentalism of the Poor' revisited: Territory and place in disconnected global struggles.*
8:20 Keith Miyake*, CUNY Graduate Center, *Institutionalizing Environmental Justice: EIA and The Racially Capitalist State.*
8:40 Esther G. Kim*, University of California, Berkeley, *Stories of Watershed Moments: Race, Representation, and an Environmental "Movement" in Los Angeles.*
9:00 Ellen Kohl*, University of Georgia, *Making Visible the Invisible: Storytelling, Environmental Justice, and The Newtown's Florist Club.*
9:20 Brian S Williams*, The Ohio State University, *White Supremacy, Agroindustry, and Contested Environmental Injustice in the Yazoo-Mississippi Delta.*

1116. The Geography of Trials I (Sponsored by Political Geography Specialty Group)

Room: Santa Anita C, Westin, Lobby Level (Paper Session)
ORGANIZER(S): Alex Jeffrey, Newcastle University; Michaelina Jakala
CHAIR(S): Alex Jeffrey, Newcastle University
8:00 Reecia Orzeck*, Illinois State University, *All the World a Stage: International Criminal Trials as Bourgeois/Epic Theater.*
8:20 Juliane Céleste Jasmine Collard*, University of British Columbia, *Expert knowledge and Canadian Commissions of Inquiry: The case of Vancouver's Missing Women.*
8:40 Rachel B Hughes*, University of Melbourne, *Ordinary theatre and extraordinary law: the Khmer Rouge Tribunal.*
9:00 Alex Jeffrey*, The University of Cambridge, *Decaying Law: The Hybrid Legal Geographies of War Crimes Trials.*

1117. Traveling for a Cause: Critical Examinations of Volunteer Tourism and Social Justice I (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)

Room: Santa Barbara A, Westin, Lobby Level (Paper Session)
ORGANIZER(S): Harg Luh Sin, University of Colorado at Boulder; Tim Oakes, University of Colorado
CHAIR(S): Mary Mostafanezhad, University of Otago
8:00 Harg Luh Sin*, University of Colorado at Boulder,

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Escaping everyday (ir)responsibilities: Performances and practices in tourism.

8:20 Jim Butcher*, Canterbury Christ Church University, *volunteer tourism and the personalisation of development.*

8:40 Mark Griffiths*, King's College London, *Working the Spaces of Neoliberalism and the Affective Nature of International Volunteering.*

9:00 Amy B. Wolfson, M.A.*, UC Berkeley, *Capitalizing on Contradictions: A Comparative Analysis of Volunteer Tourism in Haiti and Tanzania.*

Discussant(s): Tim Oakes, University of Colorado

1118. Special Sessions in Honor of Allen J. Scott I

Room: Santa Barbara B, Westin, Lobby Level (Paper Session)
ORGANIZER(S): Dieter F. Kogler, University College Dublin;

Michael Storper, London School of Economics

CHAIR(S): Michael Storper, London School of Economics

8:00 Mark Lorenzen*, Copenhagen Business School; Ram Mudambi, Fox School of Business, Temple University, *Flatness: Global connectedness and local disconnectedness.*

8:20 Frederic Leriche*, Université Versailles Saint Quentin / Cemotev; Vincent Geronimi*, University of Versailles, *"Regional push hypothesis". Allen J. Scott's theory of development and the problem of Less Developed Countries..*

8:40 Robert Kloosterman, Professor*, University of Amsterdam, *The Other Side of the Cultural Economies of Cities: Local Consumption Cultures in the Cultural Industries.*

9:00 Dominic Power*, Uppsala University, *Geographies of image producing industries and geographies of image producing cities..*

Discussant(s): Michael Storper, London School of Economics

1119. Geographical Perspectives on Finance and Development - 1 (Sponsored by Economic Geography Specialty Group)

Room: Santa Barbara C, Westin, Lobby Level (Paper Session)
ORGANIZER(S): Adam D Dixon, University of Bristol; Dariusz Wojcik, School of Geography and the Environment, Oxford University

CHAIR(S): Adam D Dixon, University of Bristol

8:00 Gary Dymski, PhD*, Leeds University Business School; Shaun French, PhD, University of Nottingham; Andrew Leyshon, PhD, University of Nottingham, *Beyond Financial Exclusion: Inequality, Access, and Financial Structure after the Subprime Crisis.*

8:20 Godfrey Yeung*, National University of Singapore; Canfei He, Peking University; Peng Zhang, Peking University, *Rural Banking in China: Geographically Accessible but Conditionally Excluded?.*

8:40 Thomas Strickland*, Newcastle University; Thomas C Strickland, Newcastle University, *Stimulating economic growth through investment in urban development: can innovative funding mechanisms bridge the viability gap for development projects in cities?.*

9:00 Dariusz Wojcik*, School of Geography and the Environment, Oxford University, *Integrating finance into Global Production Networks.*

9:20 Fenghua Pan*, Beijing Normal University; Daniel Brooker, Peking University; Zuoli Liu, Beijing Municipal Institute for Economic and Social Development, *Insertion into Global Capital Networks: An Alternative Way for the Upgrading of Industrial Clusters.*

1120. American Odyssey: Continental Explorations in Historical Geography (Sponsored by Historical Geography Specialty Group)

Room: Sacramento, Westin, Level 2 (Paper Session)
ORGANIZER(S): Craig Colten, Louisiana State University

CHAIR(S): Craig Colten, Louisiana State University
Introducer: Geoffrey Buckley

8:00 Andrew Sluyter*, The Louisiana State University, *African Arrivals and Transformations.*

8:20 Kevin Blake*, Kansas State University, *Making Mythic Landscapes.*

8:40 Yolonda Youngs, Ph.D.*, Idaho State University, *Shaping Tourism.*

9:00 Robert Wilson*, Syracuse University, *Animals in America: A Historical Geographical Perspective.*

9:20 Michael Conzen*, University of Chicago, *"Making Urban Wealth: the Primacy of Mercantilism".*

1121. Remote Sensing Specialty Group Student Honors Paper Competition I (Sponsored by Remote Sensing Specialty Group)

Room: San Diego, Westin, Level 2 (Paper Session)
ORGANIZER(S): Amy Frazier, University at Buffalo
CHAIR(S): Amy Frazier, University at Buffalo

8:00 Mary Pyott Freeman*, San Diego State University; Douglas A. Stow, Professor, San Diego State University, *An Object-based Analysis of Tree Mortality Using High Resolution Remotely-Sensed Data for Mixed-Conifer Forests in San Diego County.*

8:20 Xiaolin Zhu*, The Department of Geography, The Ohio State University; Desheng Liu, The Department of Geography, The Ohio State University, *Accurate Mapping of Forest Types in Southeastern Ohio Using Landsat time-series.*

8:40 Chengbin Deng*, University of Wisconsin-Milwaukee, *Development of a biophysical composition index (BCI) for urban remote sensing.*

9:00 Yuanfan Zheng*, Center for Urban and Environmental Change, Department of Earth & Environmental Systems, Indiana State University; Qihao Weng, Center for Urban and Environmental Change, Department of Earth & Environmental Systems, Indiana State University, *Classification of Tree Species in Indianapolis Using LiDAR and High-Resolution IKONOS data.*

1122. Healthy Geographies of Transportation (Sponsored by Health and Medical Geography Specialty Group, Transportation Geography Specialty Group)

Room: San Francisco, Westin, Level 2 (Paper Session)
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Oana A McKinney, University of South Florida
8:00 Tonny Oyana*, Southern Illinois University, *Health and Environmental Burdens of Chicago's O'Hare International Airport Operations.*

8:20 Tsegaye Nega, Ph. D.*, Carleton College; Mallika Jayaraman, Carleton College, *Traffic Noise and Inequality in the Twin Cities, Minnesota.*

8:40 Dajun Dai*, Georgia State University; Derek Jaworski; Yingzhi Zhang, *Identifying clusters and risk factors of injuries in pedestrian-vehicle crashes in a GIS environment.*

9:00 Oana A McKinney*, University of South Florida, *"How walkable is the Tampa Bay area?" Creating small-scale walkability indices for the Tampa - St. Petersburg Urbanized Area and analyzing their spatial distribution relative to socio-economic status.*

1123. Problematizing Knowledge Transfer in the Contemporary Spatial-Economic Mosaic (Sponsored by Economic Geography Specialty Group)

Room: San Jose, Westin, Level 2 (Paper Session)
ORGANIZER(S): Norma Rantisi, Concordia University; Deborah Leslie, University of Toronto
CHAIR(S): Donald McNeill, University of Western Sydney
8:00 Thomas Hutton*, University of British Columbia; Trevor

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Barnes*, University of British Columbia, *Spaces of Innovation, Restructuring and Knowledge Transfer In the Metropolis: a Comparison of Seattle and Vancouver*.

8:20 Murray Mckenzie, MA*, University of British Columbia, *Cultural Production, Reflexivity, and the Re-Remembrance of the Inner City*.

8:40 Peter Lindner, Prof. Dr.*, University of Frankfurt; Iris Dzudzek, University of Frankfurt, *Knowledge Transfer as Performance: Reading and Articulating the Creative-Cities Script*.

9:00 Deborah Leslie*, University of Toronto; Norma Rantisi*, Concordia University, *Knowledge translation and interdisciplinarity in the Cirque du Soleil's innovation..*

9:20 Andrew C Pratt*, King's College London, *Knowledge exchange as 'gained in translation'.*

1127. Conflict potentials of climate change and climate engineering (Sponsored by Climate Change, Variability, Adaptation and Justice)

Room: Santa Monica A, Westin, Level 3 (Paper Session)

ORGANIZER(S): Peter Michael Link, University of Hamburg; Jasmin Kominek, University of Hamburg

CHAIR(S): Jasmin Kominek, University of Hamburg

8:00 Antonio C Bellisario, Dr.*, Metropolitan State University of Denver; Jason R. Janke, Dr., Metropolitan State University of Denver, *Water Conflicts and Water Policy in Chile: Sociopolitical Mobilizations for Local Water Control*.

8:20 Emily Connor*, Penn State University, *The Mountain Aquifer: Road to Peace or Conflict*.

8:40 Halvard Buhaug*, PRIO; Gerdis Wischnath, PRIO, *On climate-conflict dynamics across India*.

9:00 Cody D Ikkala*, United States Military Academy at West Point, *Holistic approach to looking at climate change and its relationship to conflict*.

9:20 Peter Michael Link*, University of Hamburg; Jürgen Scheffran, University of Hamburg, *Climate engineering: potentials, risks and conflicts*.

1128. Governance of Tropical Land Change and Agricultural Systems (I): Politics and processes (Sponsored by Human Dimensions of Global Change Specialty Group)

Room: Santa Monica B, Westin, Level 3 (Paper Session)

ORGANIZER(S): Kimberly Carlson, University of Minnesota; Avery Cohn

CHAIR(S): Avery Cohn

Introducer: Avery Cohn

8:00 Joanne Gaskell, Ph.D.*, UC Berkeley, *The Role of Markets, Technology, and Policy in Generating Demand for Palm Oil in Indonesia*.

8:20 Leif Brottem*, University of Wisconsin- Madison, *Beyond the village: agricultural expansion and institutional change in West Africa*.

8:40 Peter Newton*, Postdoctoral researcher.

9:00 Ximena Rueda*, Stanford University, *Shopping for sustainability: What drives corporate investments in sustainable food production?*.

Discussant(s): Jane Wilkinson, Climate Policy Initiative

1129. Geography and Mobile Phone Data: from theory to empirics (Sponsored by Communication Geography Specialty Group)

Room: Santa Monica C, Westin, Level 3 (Paper Session)

ORGANIZER(S): Emmanouil Tranos, Vrije University; Rein Ahas, Department of Geography, University of Tartu

CHAIR(S): Emmanouil Tranos, Vrije University

8:00 Rein Ahas*, Department of Geography, University of Tartu, *Measuring movement patterns of incoming tourists in destination with passive mobile positioning data*.

8:20 Yihong Yuan*, Institute of Cartography and Geoinformation, ETH Zurich, 8093 Zurich,

Switzerland / Department of Geography, University of California, Santa Barbara, CA, 93106, USA; Martin Raubal, Institute of Cartography and Geoinformation, ETH Zurich, 8093 Zurich, Switzerland, *A framework for characterizing human mobility from georeferenced mobile phone data*.

8:40 Siiri Silm*, University of Tartu, *Measuring ethnic composition by passive mobile positioning data in case of Estonians and Russians in Tallinn*.

9:00 Louis Alberto Gutierrez, Phd Candidate*, Rensselaer Polytechnic Institute; Mukkai S. Krishnamoorthy, Associate Professor, Rensselaer Polytechnic Institute; Ron Eglash, Professor, Rensselaer Polytechnic Institute, *Solazo Weather App (SWAP): Approximating the Weather*.

1130. The Geography of Immigration Policy / Contentious Politics in the Obama Years, A Critical Assessment I (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Monica Varsanyi, City University of New York; Walter Nicholls, Sociology, University of Amsterdam

CHAIR(S): Walter Nicholls, Sociology, University of Amsterdam

8:00 Liette Gilbert*, York University, *Challenges to a "Fair, Efficient and Just" Immigration Policy*.

8:15 Nik Theodore*, University of Illinois at Chicago, *Spaces of Illegality: Applying the Attrition-by-Enforcement Doctrine in Phoenix, Arizona*.

8:30 Caitlin Cahill*, City University of New York, *"It's better to die on one's feet than to live on one's knees" : Immigration, Educational Rights and the Right to the City*.

8:45 Marisol Ramos*, University of Michigan, Ann Arbor; Prerna Lal, George Washington University Law, *Undocumented and Unafraid: Re-casting undocumented youth through activist spaces*.

9:00 Caroline Nagel*, University of South Carolina; Patricia Ehrkamp, University of Kentucky, *Deserving hospitality? Immigrants, Christian faith communities, and the contentious politics of belonging in the U.S. South*.

1134. Border studies as critical practice? (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group, Borders)

Room: Laguna Parlor 3024, Westin, 30th Floor (Panel Session)

ORGANIZER(S): Ulrich Best, York University

CHAIR(S): Ulrich Best, York University

Panelists: Hans-Joachim Bürkner, Leibniz Institute for Regional Development and Structural Planning; Anne-Laure Amilhat Szary, Université Joseph Fourier; Estelle Evrard; Silvia Marcu; Adriana Dorfman, Universidade Federal do Rio Grande do Sul; Jan Lemitz

1135. Governance and State Rescaling in China (Sponsored by China Specialty Group, Symposium on New Geographies of Urban China)

Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Xiaobo Su, University of Oregon

CHAIR(S): Xiaobo Su, University of Oregon

8:00 Zhigang Li*, Sun Yat-sen University; Jiang Xu, Chinese University of Hong Kong; Anthony Gar On Yeh, Hong Kong University, *State rescaling and the making of city-regions in Pearl River Delta, China*.

8:15 Lei Wang*, Wuhan University; Ye Wu, Wuhan University, *Urban Entrepreneurialism, State Rescaling and the Rise of City-Regions in China*.

8:30 Lanchih Po*, University of California, Berkeley, *Rescaling*

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as an Upgrade Path in the Face of Economic Crisis: the Case of Dongguan, China.

8:45 Miguel Angel Hidalgo Martinez*, University of Technology, Sydney, *Urban Infrastructure Development in China: The Expressways of Chongqing.*

9:00 Shih-Shen Chien*, National Taiwan University; Chunyi He, National Taiwan University; Yaozhong Guo, National Taiwan University, *Green Governmentality, Chinese Style- Case Study of Eco-Cities in China since the 2000s.*

Discussant(s): John Agnew, University of California - Los Angeles

1136. Environmental Change and Human Adaptation in High Asia (I) (Sponsored by Paleoenvironmental Change Specialty Group, Cryosphere Specialty Group, Geomorphology Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Yanan Li; Guocheng Dong, Institute of Tibetan Plateau Research, Chinese Academy of Sciences

CHAIR(S): Yanan Li

8:00 Christine M Kassab*, Purdue University; Jie Wang, Key Laboratory of Western China's Environmental Systems (Ministry of Education), Lanzhou University; Jon Harbor, Purdue University, *Constraining paleoglaciaticion of the Dalijia Shan, NE Tibetan Plateau.*

8:20 Guocheng Dong*, Institute of Tibetan Plateau Research, Chinese Academy of Sciences; Chaolu Yi, Institute of Tibetan Plateau Research, Chinese Academy of Sciences; Marc Caffee, Department of Physics/PRIME Laboratory, Purdue University, *The timing of the termination of the Last Glacial Maximum on Nyainqentangulha and its implication to climate change, revealed from Be-10 surface exposure dating.*

8:40 Qinghua YE*, Institute of Tibetan Plateau Research, Chinese Academy of Sciences; Jibiao Zong, Institute of Tibetan Plateau Research, CAS, *Evaluations and corrections of the SRTM DEM in the Mt. Qomolangma region.*

1137. Crises in the countryside? Part 1: Global crises, local responses (Sponsored by Rural Geography Specialty Group, Energy and Environment Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Jennifer Dickie, University of Leicester, UK; Martin Phillips, University of Leicester

CHAIR(S): Jennifer Dickie, University of Leicester, UK
Introducer: Jennifer Dickie

8:02 Michael Woods*, Aberystwyth University, *Grounding Global Challenges and the Relational Politics of the Rural.*

8:22 Martin Phillips*, University of Leicester, *Crisis and Statis: Paradoxical Imaginings of Rural Futures.*

8:42 Mark Scott*, University College Dublin, *Resilience and reframing rural development in a time of crisis: insights from Ireland.*

9:02 Maura Farrell, Dr.*, Discipline of Geography, National University Ireland Galway; Marie Mahon, Dr., National university Ireland Galway; John McDonagh, Dr., National university Ireland Galway, *Return Migration: An Integral Component of Rural Development.*

Discussant(s): Lars Coenen, Lund University, Sweden

1138. Phenology I: Plants and Animals (Sponsored by Climate Specialty Group)

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Mark D Schwartz, University of Wisconsin-Milwaukee

CHAIR(S): Mark D Schwartz, University of Wisconsin-Milwaukee

8:00 Jake F. Weltzin*, USGS, *The USA National Phenology Network's National Phenology Database: A Multi-taxa, Continental-scale Dataset for Scientific Inquiry.*

8:20 Isaac W Park*, UW-Milwaukee, *Flowering Phenology Across North America.*

8:40 Keith G. Henderson*, Villanova University, *Autumn Phenology of Bird Migration and Foliage Conditions in the Northeast U.S..*

9:00 Rong Yu*, University of Wisconsin-Milwaukee; Mark D Schwartz, University of Wisconsin-Milwaukee, *Examining Spring and Autumn Phenology in a Temperate Deciduous Urban Woodlot.*

9:20 Mark D Schwartz*, University of Wisconsin-Milwaukee, *Autumn Phenological Observations in a Northern Mixed Forest (Phase Three).*

1139. Geographies of Health I

Room: Laguna Parlor 3068, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Program Committee

CHAIR(S): Jean Michel Montsion, Glendon College, York University

8:00 Georgia Davis Conover*, University of Arizona, *Using Media Analysis to Examine the Complex Geographies of the Lyme Wars.*

8:20 Jeremia Njeru*, West Virginia University, *Rethinking Sanitation Technologies in Kenya: The Case of Ecotact's Ikotoilet Facilities.*

8:40 Louisa M. Holmes*, University of Southern California; Enrico A. Marcelli, Ph.D., San Diego State University, *Neighborhoods as Therapeutic Landscapes? Neighborhood Social Cohesion, Disorder and Psychological Distress among Brazilian Migrants.*

9:00 Deborah McPhail, PhD*, University of Manitoba, *Having Your Jiggs Dinner And Eating It, Too: Newfoundland "Obesity" And The Affects of Tradition.*

9:20 Jean Michel Montsion*, Glendon College, York University; Jessica Parish, York University, *Healthy Eating? Mapping East/West Fusions on the Political Economy of Vancouver's Gateway.*

1140. Resilient Planning: Concepts, Substance, Actions-1 (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Malibu Parlor 3018, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Tuna Tasan-Kok, TUDelft

CHAIR(S): Tuna Tasan-Kok, TUDelft

Introducer: Tuna Tasan-Kok

8:05 Tuna Tasan-Kok*, TUDelft; Tuna Tasan-Kok, Assoc.Prof. Dr., TU Delft, OTB Research Institute; Dominic Stead, Assoc.Prof.Dr., TU Delft, OTB Research Institute, *Resilience thinking in Dutch urban planning context.*

8:25 Juliet Davis, Dr., London School of Economics; Sabina Uffer, Dr.*, London School of Economics, *Governance of Resilient Urban Form - Case Studies from London and New York.*

8:45 Marie Toubin*, Egis, EIVP, Univ Paris-Diderot; Damien Serre, Univ Paris-Est, EIVP; Youssef Diab, Univ Paris-Est, EIVP, LEESU; Richard Laganier, Univ Paris-Diderot, UMR PRODIG, *Promote urban resilience through a collaborative urban services management.*

9:05 Elise Schillebeeckx*, University of Antwerp; Stijn Oosterlynck, University of Antwerp; Pascal De Decker, Sint-Lucas School of Architecture Brussels/Ghent, *Making the city resilient for migration: the urban zone*

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of transition.

Discussant(s): Garnet Kindervater, University of Minnesota - Minneapolis

1141. Direct Democracy and Participative Planning: Current and Future Challenges of Advanced Planning Methods for Urban Development and Major Infrastructure Projects (Sponsored by Political Geography Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group)

Room: Malibu Parlor 3038, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Camilla Perrone, University of Florence; Rainer Rothfuss

CHAIR(S): Rainer Rothfuss

Introducer: Camilla Perrone

8:10 Camilla Perrone*, University of Florence, *How to make it work: participatory decision-making for major urban infrastructure projects. A comparison between direct democracy and deliberative tools.*

8:25 Maïke Dziomba*, DVAG Deutscher Verband für Angewandte Geographie, *Major town planning projects in urban renaissance: Structuring governance approaches and property sales as basis for long-term citizen involvement.*

8:40 Linda Sandberg*, Umea University, *Relocating the city of Kiruna - the world's most democratic city transformation?*

8:55 Rainer Rothfuss*, University of Tuebingen, *Direct Democracy: Potentials and Challenges to Democratize Decision Making and Planning Processes for Urban and Infrastructure Mega-Projects.*

9:10 Benjamin Blandford*, University of Kentucky, *Democracy, Public Participation, And Planning At A Uranium Enrichment Facility.*

9:25 John Ripy*, University of Kentucky, *Metrics for Public Involvement in Large Infrastructure Projects.*

1142. Territorial Intelligence: Exploring Theoretical Approaches, Methods and Applications. (Sponsored by Geographic Information Science and Systems Specialty Group, Regional Development and Planning Specialty Group, Development Geographies Specialty Group)

Room: Malibu Parlor 3058, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Salomon Gonzalez, UAM; Rafael Calderon Contreras, Universidad Autonoma Metropolitana

CHAIR(S): Salomon Gonzalez, UAM

8:00 Salomon Gonzalez*, UAM, *Measuring Territorial Intelligence.*

8:15 Blanca Miedes, Dr.*, Huelva University, *Territorial intelligence: social innovation for a participative governance.*

8:30 Jean-Jacques GIRARDOT*, MSHE, *Territorial Intelligence for New Path of Development.*

8:45 Cyril Masselot, PhD Associate Professor*, Université de Bourgogne; Olivier GALIBERT, PhD Associate Professor, Université de Bourgogne, *Digital socialization in a Territorial Intelligence case: The Fontaine d'Ouche area in Dijon (Burgundy, France).*

Introducer: Alejandro Mercado-Celis

9:10 Rafael Calderon Contreras*, Universidad Autonoma Metropolitana, *It is not just about knowledge: Approaching access to natural resources through territorial intelligence..*

1143. Current Agrarian Transformations in Brazil (Sponsored by Latin America Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Gustavo Oliveira, University of California at Berkeley; Susanna Hecht, University of California Los

Angeles

CHAIR(S): Gustavo Oliveira, University of California at Berkeley

8:00 Stéphanie Nasuti*, Centro de Desenvolvimento Sustentavel - Universidade de Brasilia, *Climate Change Adaptation, Vulnerability and Resilience: Four case studies in the Brazilian Semi-arid.*

8:20 Giovanna Grandoni, MSc*, King's College London, *Land access and food security. The role of female rural workers in Brazilian development. The case of Maranhão..*

8:40 Silvia Laine Borges Lúcio*, Universidade de Brasília; Thomas Ludewigs, Universidade de Brasília; Ludivine Eloy Costa Pereira, CNRS UMR Art-Dev 5281, Montpellier (France), *Common pasturelands, biodiversity conservation and political ecology: land use change in Minas Gerais, Brazil.*

9:00 Chuyuan Wang*, Kansas State University; Marcellus Caldas, Kansas State University, *Fragmentation Patterns in Land Reform Settlements: A Case Study in the State of Pará, Brazil.*

Discussant(s): Gustavo Oliveira, University of California at Berkeley

1144. Examining the Social Coast (Sponsored by Coastal and Marine Specialty Group)

Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Andrew Bennett, East Carolina University; Michael Griffin, East Carolina University

CHAIR(S): Michael Griffin, East Carolina University

8:00 Andrew T Bennett*, East Carolina University, *Assessing Barrier Beach Driving Forces.*

8:20 Shivangi Prasad, Ph.D. candidate*, Florida Atlantic University, *Exposure, Vulnerability and Resilience to Coastal Flooding Due to Extreme Weather Shocks and Climate Change stresses.*

8:40 William Pace*, East Carolina University, *Hurricane Dynamics and Risk Perceptions: A Case Study of Hurricane Irene in North Carolina.*

9:00 Matthew B Bethel, Pontchartrain Institute for Environmental Sciences, University of New Orleans; Lynn F Brien*, Kansas State University; Emily J Danielson, Center for Hazards Assessment, University of New Orleans; Shirley B Laska, Center for Hazards Assessment, University of New Orleans; John P Troutman, Louisiana Coastal Protection and Restoration Authority; William M Boshart, Louisiana Coastal Protection and Restoration Authority; Marco J Giardino, NASA Stennis Space Center; Maurice A Phillips, Community of Grand Bayou, Louisiana, *Blending Geospatial Technology and Traditional Ecological Knowledge to Enhance Restoration Decision Support Processes in Coastal Louisiana.*

9:20 Dorothy Ives-Dewey*, West Chester University, *Planning for Coastal Community Resilience in Cape May County, New Jersey.*

1145. The Contested Production of the Event-City : Inequality, Exceptionalism, Exclusion and Resistance in pre-Olympic Rio de Janeiro (Sponsored by Global Urbanization)

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Anne-Marie Broudehoux, University of Quebec at Montreal

CHAIR(S): Anne-Marie Broudehoux, University of Quebec at Montreal

8:00 Nelma Gusmão de Oliveira*, Universidade Estadual do Sudoeste da Bahia, *City Production Through Sports Spectacle: When The Exception Becomes The Rule.*

8:20 Helena Galiza*, Universidade Federal do Rio de Janeiro, *Mega-events, housing rights, and social inequality: The case of Porto Maravilha, Rio de Janeiro.*

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8:40 Anne-Marie Broudehoux*, University of Quebec at Montreal, *Exclusion, Invisibilisation, Beautification and Discipline: Confronting Poverty in the Making of Rio de Janeiro's Olympic Image.*

9:00 Raphael Soifer, MA*, Universidade Federal Fluminense, *Lyrical Resistance: Urban Reform, Social Memory, and the Imagination of Public Space in Rio de Janeiro.*

Discussant(s): Carlos Vainer, IPPUR - Universidade Federal do Rio de Janeiro

1146. Urbanized development? The new urban-rural dynamics and geographies of expertise in China (Sponsored by China Specialty Group, Asian Geography Specialty Group, Symposium on New Geographies of Urban China)

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Alana Boland, University of Toronto; Chao Wang, Geography & Planning Department, University of Toronto

CHAIR(S): Alana Boland, University of Toronto

8:00 Nick R. Smith*, Harvard University, *Urban-rural Coordination and its Challenge to Chinese Planning.*

8:20 Harvey Neo*, National University of Singapore; C.P. Pow, National University of Singapore, *Playing catch-up? Mobilizing ruralilty to sell a Southwest border town in China..*

8:40 Leqian Yu*, University of Toronto, *Commercialization through standardization: an observation of China's rural financial reforms.*

9:00 Chao Wang*, Geography & Planning Department, University of Toronto, *Planning the future through the 'past': City development, socialist legacies and struggles over urban space..*

Discussant(s): Daniel Buck, University of Oregon

1147. Location Analysis and Modeling I (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Changjoo Kim, University of Cincinnati

CHAIR(S): Changjoo Kim, University of Cincinnati

Introducer: Changjoo Kim

8:00 Alan Murray*, Arizona State University; Insu Hong*, ASU, *Finding my way.*

8:20 Chris Lloyd, Dr*, University of Liverpool, *Spatial interactions and residential segregation: a case study of Northern Ireland.*

8:40 Peter Tittmann, Ph.D.*, University of California, Davis; Quinn Hart, Ph.D., University of California, Davis Department of Land, Air and Water Resources; Colin W. Murphy, M.S., University of California, Davis Institute for Transportation Studies; Nathan Parker, Ph.D., University of California, Davis Institute for Transportation Studies; Bryan Jenkins, Professor, University of California, Department of Biological and Agricultural Engineering, *Heuristic biorefinery location analysis in the US Pacific Northwest.*

9:00 Randy Bui, PhD Candidate*, McMaster University; Darren M. Scott, Professor, McMaster University, *Critical Roadway Links in the Greater Toronto and Hamilton Area under Short-term Disruption.*

9:20 Changjoo Kim*, University of Cincinnati; Yongwan Chun, The University of Texas at Dallas; Hyun Kim, University of Tennessee, Knoxville, *An examination of traffic accidents.*

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1201. CyberGIS Symposium: CyberGIS and Sustainability Sciences - Approaches, Cases, and Concepts (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Beaudry A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Timothy Nyerges, University of Washington

CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign

10:00 Kenan Li*, Ph.D Candidate, Louisiana State University; Nina Lam, Louisiana State University, *Modeling the Coupled Natural and Human System in the Lower Mississippi Deltaic Region: Critical Transitions Simulation from a Resilience Perspective.*

10:20 David Bennett*, University of Iowa, *Measuring Sustainability and Identifying Windows of Opportunity.*

10:40 Steven D. Prager*, University of Wyoming, *A Meta-analysis of Three Studies in the Context of Sustainability Information Science.*

11:00 Timothy Nyerges*, University of Washington; Mary Roderick, University of Washington, *Toward a Sustainability Information Science: Core Concepts and Methodology.*

1202. Geographies of Education: Critical Pedagogies and Praxis II (Sponsored by Geography Education Specialty Group, Cultural Geography Specialty Group)

Room: Beaudry B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Joseph Palis, North Carolina State University; Helene DUCROS, University of North Carolina - Chapel Hill

CHAIR(S): Lisa Marshall, UNC-Chapel Hill (& NC State University)

10:00 Nancy Hoalst-Pullen*, Kennesaw State University; Mark W Patterson*, Kennesaw State University, *Facilitating Student Learning Through Community Engagement and Research.*

10:20 Keith Clarke*, University of California, Santa Barbara; Katharine E. Currier, UCSB; Blake Regalia, UCSB, *Online Instruction in Basic Cartography: Experiences with the UC Online Pilot Program.*

10:40 Sascha Haffer*, Justus-Liebig University Giessen; Kerstin Kremer, University of Kassel; Sandra Hof, Ruhr-University Bochum, *Valuing virtual water - Promoting students' awareness of global sustainability in out-of-school learning.*

11:00 Paulo Raposo, PhD Candidate*, Penn State Department of Geography; Cynthia A. Brewer, Professor of Geography, Penn State Department of Geography; Anthony C. Robinson, PhD, Penn State Department of Geography, *Mapping Around the World: A Cartographic Study Abroad Experience.*

11:20 Binita Sinha*, Diablo Valley College, *Geospatial Education for High Schools..*

1203. Nature, Violence and Property II (Sponsored by Cultural and Political Ecology Specialty Group)

Room: La Brea, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Megan Ybarra, Willamette University; Alice Kelly, University of California, Berkeley

CHAIR(S): Alice Kelly, University of California, Berkeley

10:00 Benjamin Gardner*, University of Washington Bothell, *"Deadly Deals" and the Politics of Global Land Grabbing in Tanzania.*

10:20 Elizabeth Lunstrum*, York University, *Rhino Poaching, Violence, and the Consolidation of Conservation Space.*

10:40 Alice Bridget Kelly*, University of California, Berkeley, *National Parks as Outlaw Territories.*

11:00 Ingrid L. Nelson, PhD*, International Institute of Social Studies (ISS), *Violence and Becoming 'Men' Amidst the Timber Mafia and Environmentalists in the Miombo Woodlands of Zambézia, Mozambique.*

Discussant(s): Rod Neumann, Florida International University

1204. Critical Geographies of Children, Nature and Cities II (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group)

Room: La Cienega, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Laura Shillington, Concordia University; Ann Marie F Murnaghan, University of Manitoba

CHAIR(S): Laura Shillington, Concordia University

10:00 Amanda Rees*, Columbus State University; Becky Becker, Dr, Columbus State University, *Shaping MySpace: Creating Urban Green Spaces via Youth, Public Planning and Theatre.*

10:20 Michelle Palma, PhD*, University of Wisconsin-Waukesha, *'Are we there yet?' How Children from South Central, Los Angeles Negotiate Access to the Urban Coast.*

10:40 Omar Diaz*, University of Texas at Austin, *Participatory Research with Children in Informal Settlements: Drawing Consciousness in Los Platanitos.*

11:00 Pascale Joassart-Marcelli*, San Diego State University; Fernando Bosco*, San Diego State University; Stuart C. Aitken, San Diego State University, *Children's Participatory Planning in the Construction of Urban Nature in San Diego, CA.*

Discussant(s): Laura Shillington, Concordia University

1205. Bridging Practice and Theory with Legal Geography 2: Engaging with legal processes in action

Room: Los Cerritos, Westin, Lobby Level (Paper Session)

ORGANIZER(S): John Carr, University of New Mexico; Melinda Harm Benson, University of New Mexico

CHAIR(S): Melinda Harm Benson, University of New Mexico

10:00 Giorgio Hadi Curti*, HDR Inc./San Diego State University, *Consideration and Compliance: Applying Emotional Geographies to the National Historic Preservation Act of 1966 (NHPA) and National Register of Historic Places (NRHP) Bulletin 38.*

10:20 Antonia Layard*, Birmingham Law School, *Law, Place & Maps: From property, for space.*

10:40 John Carr*, University of New Mexico, *Utopic Legal Geography: Using legal mechanisms to bridge critical theory and praxis.*

Discussant(s): Melinda Harm Benson, University of New Mexico

1206. Contemporary Research Strategies in Cultural Geography II (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group, European Specialty Group)

Room: Los Feliz, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Nicholas Crane, The Ohio State University; Weronika Kusek, Kent State University

CHAIR(S): Weronika Kusek, Kent State University

10:00 Tara Woodyer, Dr*, University of Portsmouth; Hilary Geoghegan, University College London, *Slowing the quick jump to explanation: making space for enchantment in cultural geography research.*

10:20 Kolson Schlosser*, Slippery Rock University, *Scale, Power and Methodology: Implications for doing historical political ecology in northern Canada.*

10:40 Matthew Jacobson*, University of Missouri Department of Geography, *Evoking Landscape through Ethnographic Fiction.*

11:00 Jamie Winders*, Syracuse University, *From Journals to Classrooms: Walking the Line Between Doing and*

TUESDAY, APRIL 9 • 10:00 AM - 11:40 AM • 1200*Teaching Cultural Geography.*

Discussant(s): Mona Domosh, Dartmouth College

- 1207. Making alternative food systems work I: Local and regional food systems (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Palos Verdes, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Ryan E. Galt, University of California, Davis; Liz Carlisle, UC Berkeley
 CHAIR(S): Katharine Bradley
10:00 Melina Packer*, Brown University, *Beyond the Looking Glass: Nudging a New England State Food Policy Council Past Rhetorical Reflection, Toward Tangible Transformation.*
10:20 Edmund Harris*, Clark University, *Constructive Engagements with Alternative Food Movements: Localism and Food Sovereignty in Massachusetts.*
10:40 Nicole Motzer*, University of Maryland, College Park; Adam Diamond, Dr., American University; James Barham, Dr., USDA, Agricultural Marketing Service, *A valuable alternative? Exploring locational factors and spatial distribution of regional food hubs in the United States.*
11:00 Ted White*, University of Massachusetts Amherst, *Open Source Branding and Autonomous Franchising: The Proliferation of Community Supported Agriculture.*
11:20 Ryan E. Galt*, University of California, Davis; Elizabeth O'Sullivan*, UC Davis; Alissa Kendall, UC Davis Dept. of Civil and Environmental Engineering, *Greenhouse Gas Emissions of Community Supported Agriculture (CSA): A Comparative Life-Cycle Assessment in California's Sacramento Valley.*
- 1208. Solidarity Science(s) (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Indigenous Peoples Specialty Group)**
Room: San Bernardino, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Katherine Foo, Clark University; Dianne Rocheleau, Clark University
 CHAIR(S): Brent McCusker, West Virginia University
10:00 Brent McCusker*, West Virginia University, *Solidarity Science.*
10:20 Roopali Phadke*, Macalester College, *Wind Energy, Citizen Science and the Risk Society.*
10:40 Padini Nirmal*, Clark University, *Encountering Capitalism/Development/Modernity with Solidarity in Indigenous India.*
11:00 Dianne E Rocheleau, Ph.D.*, Clark University, *Solidarity, Science and the Political Ecologies of Being-in-Relation in Chiapas.*
 Discussant(s): Ben Wisner, Independent Scholar
- 1209. Africa I - Tourism and Resource Issues (Sponsored by Africa Specialty Group)**
Room: San Fernando, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
 CHAIR(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
 Introducer: Iddrisu Adam
10:05 Jennifer L Smith, MA*, West Virginia University, *The Space Between: Peri-urbanization in Polokwane, South Africa.*
10:25 Sagie Narsiah, Dr*, University of KwaZulu-Natal, (Re) *Producing the Apartheid City: The Case of Policy Networks in the Water Sector in Durban, South Africa.*
10:45 Gijbert Hoogendoorn*, School of Geography, Archaeology and Environmental Studies, University of the Witwatersrand; Gustav Visser, Department of Geography, University of the Free State, South Africa,

Second homes tourism research in South Africa: 10 years down the line.

Discussant(s): Iddrisu Adam, University of Wisconsin - Marshfield Campus

- 1210. Global Urbanization and Local Politics in an Age of Austerity II: Re-Assembling the Local State (Sponsored by Global Urbanization, Urban Geography Specialty Group)**
Room: San Gabriel A, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Deborah G Martin, Clark University; Joe Painter, University of Durham
 CHAIR(S): Katherine Hankins, Georgia State University
10:00 Deborah G Martin*, Clark University; Joseph Pierce, Florida State University, *Theorizing "Local" States and Citizens: The Role of Community Land Trusts (CLTs) in Reshaping Local Governance.*
10:20 Phil Jones*, University of Birmingham; Colin Lorne, University of Birmingham, *Crowdsourcing the local: post-political methods for neighbourhood planning?.*
10:40 Scott Salmon*, New School University, *Siege or Spectacle? The tourist gaze, the favela and the militarization of urban space in Rio de Janeiro.*
11:00 Alessandro Coppola*, Politecnico di Milano, *The rise of "vetero-liberal" neighborhood politics: privatism and localism in contemporary Roman "borgate".*
 Discussant(s): David Wilson, University of Illinois
- 1211. Contesting and Constructing Spaces of Mobility and Transport II (Sponsored by Urban Geography Specialty Group, Energy and Environment Specialty Group, Transportation Geography Specialty Group)**
Room: San Gabriel B, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois; Donald Anderson
 CHAIR(S): Donald Anderson
10:00 Donald N. Anderson*, University of Arizona, *Cabbies, Chauffeurs, or "Friends with Cars?" Shared Rides and Affective Labor on the Streets of San Francisco.*
10:20 Shannon Jackson, Associate Professor*, University of Missouri, *Memory and Movement in Kansas City.*
10:40 Catherine Jean Nash, Dr. *, Brock university, Department of Geography; Andrew Gorman-Murray, University of Western Sydney, *LGBT neighborhoods and 'new mobilities': towards understanding transformations in sexual and gendered urban landscapes.*
11:00 Bascom Guffin*, Dept. of Anthropology, University of California, Davis, *Spatial and Social Mobilities of Cyberabad's New Middle Class.*
11:20 Denver V Nixon*, University of the Fraser Valley, *Contours of Displacement: Path Dependence and Cyclist Dislocation from the Flattest Path.*
- 1212. "The Darker Side" of Geography II: Using Interdisciplinary Relationships to Bring Discussions of Race into Human-Environment Interactions (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice, Ethnic Geography Specialty Group)**
Room: San Gabriel C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Priscilla McCutcheon, University of Connecticut; Ellen Kohl, University of Georgia
 CHAIR(S): Orlando R Serrano, University of Southern California
10:00 Nicole-Marie Cotton*, San Diego State University, *Afro-descendant Representation in Sustainable Development Initiatives in the Costa Chica of Mexico.*
10:20 Paula Decker*, University of Arizona, *Constituting Animal Subjects: Technological Encounters and Racialized Others in the Mexican Wolf Reintroduction Project.*
10:40 Christine Biermann*, Ohio State University, *The cultural politics of ecological restoration: Nature, race, and identity in rural Appalachia.*
11:00 Sara Safransky*, UNC-Chapel Hill, *Let us stand on our*

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own ground: Land struggles in Detroit.

- 11:20** Orlando R Serrano*, University of Southern California, *Rendered Illegal, Made Illegible: Criminalizing and Subjugating Radical Food Practices in the Supermarket Era.*

- 1213. Welcome to the AAG annual meeting! A discussion on navigating and making the most of the conference (Sponsored by Stand-Alone Geographers Affinity Group, Graduate Student Affinity Group, Community College Affinity Group, Enhancing Departments and Graduate Education project (EDGE))**

Room: San Pedro, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Zoe Pearson, Ohio State University
 CHAIR(S): Zoe Pearson, Ohio State University
 Discussant(s): Kerry Lyste, Everett Community College
 Panelists: Joseph J. Kerski, Esri; Joy K. Adams, Association of American Geographers; David Parr, Texas State University-San Marcos; Yang Yang, University of Colorado at Boulder

- 1216. The Geography of Trials 2 (Sponsored by Political Geography Specialty Group)**

Room: Santa Anita C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Alex Jeffrey, Newcastle University; Michaelina Jakala
 CHAIR(S): Michaelina Jakala
10:00 Nick Gill*, Exeter University; Deirdre Conlon, Saint Peter's University, *Courtwatching: On Truth and the Inversion of the Panoptical Gaze.*
10:20 Laura M Matson, MSc*, University of Minnesota, *Truth, Reconciliation and Location.*
10:40 Tino Petzold*, Department of Human Geography, *Judging in times of crisis.*
11:00 Michaelina Jakala, PhD*, Newcastle University, *Expectations of civil society: public outreach and war crimes trials in Bosnia and Herzegovina.*

- 1217. Traveling for a Cause: Critical Examinations of Volunteer Tourism and Social Justice II (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)**

Room: Santa Barbara A, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Mary Mostafanezhad, University of Otago; Harng Luh Sin, University of Colorado at Boulder
 CHAIR(S): Cori Jakubiak, Grinnell College
10:00 Tess Guiney*, University of Otago, *Constructive Development or Commodification of Orphans? Orphanage Tourism Impacts in Cambodia.*
10:20 Mary Mostafanezhad*, University of Otago, *The Political Economy of Aesthetics in Volunteer Tourism.*
10:40 Joshua David Bernstein*, Texas A&M University, *Self-Interest within Volunteer Tourism.*
 Discussant(s): Tim Edensor, Manchester Metropolitan University

- 1218. Special Sessions in Honor of Allen J. Scott II**

Room: Santa Barbara B, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Dieter F. Kogler, University College Dublin; Michael Storper, London School of Economics
 CHAIR(S): Michael Storper, London School of Economics
10:00 Elizabeth Currid-Halkett, PhD*, University of Southern California, *Did Richard Serra Change the Face of Manhattan Development?: Economic Development, Art and the Essentialism of Place in the Cognitive-Cultural Economy.*
10:20 Pablo Fuentenebro*, United Nations Environment Programme, Los Angeles. *Reflections on the making of a global city.*
10:40 Michael Dear*, University of California, Berkeley, *Scott's*

Way: the urban question since 1970.

- 11:00** Edward Soja*, University of California, Los Angeles (UCLA), *Regional Urbanization and the End of the Metropolis Era.*
 Discussant(s): Michael Storper, London School of Economics

- 1219. Geographical Perspectives on Finance and Development - 2 (Sponsored by Economic Geography Specialty Group)**

Room: Santa Barbara C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Adam D Dixon, University of Bristol; Dariusz Wojcik, School of Geography and the Environment, Oxford University
 CHAIR(S): Dariusz Wojcik, School of Geography and the Environment, Oxford University
10:00 Janelle Knox-Hayes, PhD*, Georgia Institute of Technology, *Economy and Finance: Engineering emissions markets to direct clean energy development under different varieties of capitalism.*
10:20 Stefan Ouma*, Department of Human Geography, Goethe University Frankfurt, *The New Enclosures: On the Financialization of the Agrarian.*
10:40 Nicholas Kreston*, Oxford University, School of Geography and the Environment, *Long-run determinants of growth in advanced business services and the effects of financial crisis.*
11:00 Adam D Dixon*, University of Bristol; Ashby HB Monk, Stanford University, *The New Geography of Finance and Investment: From Short-Term Rent Seeking to Long-Term Value Creation.*
 Discussant(s): Dariusz Wojcik, School of Geography and the Environment, Oxford University; Adam D Dixon, University of Bristol

- 1221. Remote Sensing Specialty Group Student Honors Paper Competition II (Sponsored by Remote Sensing Specialty Group)**

Room: San Diego, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Amy Frazier, University at Buffalo
 CHAIR(S): Amy Frazier, University at Buffalo
10:00 Chunyuan Diao, PHD student*, University at Buffalo; Le Wang, PHD, University at Buffalo, *Development of an Invasive Species Distribution Model with Fine-Resolution Remote Sensing.*
10:20 Shufan Liu*, University of South Carolina, Department of Geography; Michael E. Hodgson, University of South Carolina, Department of Geography, *Optimization of Remote Sensing Satellite Image Acquisition for Large Areas.*
10:40 Niti Mishra*, university of texas austin; Kelley Crews, university of texas austin, *Relating Spatial Pattern of Fractional Land Cover to Savanna Vegetation Morphology using Multi-scale Remote Sensing in the Central Kalahari.*
11:00 Wenkai Li*, UC Merced; Qinghua Guo, UC Merced, *A New Accuracy Measure for One-Class Classification of Remote Sensing Data.*

- 1222. High-Speed Rail: Development, Integration and Crisis (Sponsored by Transportation Geography Specialty Group)**

Room: San Francisco, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Michael Minn, University of Illinois
 CHAIR(S): Michael Minn, University of Illinois
10:00 Charlotte Ruggeri*, Université de Cergy Pontoise, *The High-Speed Rail in California: a new infrastructure for territories and urban redevelopment.*
10:20 Hyojin Kim*, University of North Carolina at Greensboro; Selima Sultana, University of North Carolina-Greensboro, *Extension of the High-speed Railway Network in South Korea: Changes in Accessibility.*
10:40 Eloise Libourel*, LVMT/ENPC; Nacima Baron, Prof., LVMT/ENPC, *Legitimate infrastructure projects in a*

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context of crisis: The High-speed Rail Underground Station Project in Valencia or the End of a Dream.

- 11:00** Fengjun Jin*, Institute of Geographical Sciences and Natural Resources Research, *Research on the impacts of high-speed rail on regional development in China.*
Discussant(s): Andrew Ryder, University of Portsmouth

1223. The New AAG Review of Books: An Editor & Audience Forum

- Room:** *San Jose, Westin, Level 2* (Panel Session)
ORGANIZER(S): Derek H Alderman, University of Tennessee
CHAIR(S): Derek H Alderman, University of Tennessee
Introducer: Derek H Alderman
Panelists: Kent Mathewson, Louisiana State University

1225. Sustainability: Applications and Theory

- Room:** *Emerald Bay, Westin, Level 3* (Paper Session)
ORGANIZER(S): Robert Brinkmann, Hofstra University
CHAIR(S): Robert Brinkmann, Hofstra University
10:00 Adam S Williams, ABD*, CU Boulder, *Urban excess and access: informal recycling as a livelihood strategy among rural-urban migrants in Shanghai.*
10:20 Michael K. Heiman*, Dickinson College, *Education for Sustainable Development: Addressing the Oxymoron.*
10:40 Darren Ruddell*, University of Southern California; P. Grady Dixon, Mississippi State University, *The energy-water nexus: Are there tradeoffs between residential energy and water consumption in arid cities?.*
11:00 Sandra J Garren*, University of South Florida, *Comparative analysis of life cycle greenhouse gas emissions from the pulp and paper industry in selected countries in Asia, Europe, North America, Russia, and South America.*
11:20 Robert Brinkmann*, Hofstra University; Lisa-Marie Pierre, Hofstra University, *Community Sponsored Agriculture in Florida: A Suburban Phenomenon.*

1227. Planetary Urbanization in Comparative Perspective 1 (Sponsored by Global Urbanization, Urban Geography Specialty Group)

- Room:** *Santa Monica A, Westin, Level 3* (Paper Session)
ORGANIZER(S): Ozan Karaman, ETH Singapore; Christian Schmid, ETH Zurich
CHAIR(S): Christian Schmid, ETH Zurich
10:00 Kanishka Goonewardena*, University of Toronto, *Urbanization and Colonization in Critical Theory and Radical Politics.*
10:20 Juan Miguel Kanai, PhD*, University of Miami, *Planetary urbanization in the Amazon Rainforest: the case of Manaus.*
10:40 David Huggill*, York University, *Planetary Urbanisation in the Context of North American Settler Colonisation.*
11:00 Tauri Tuvikene*, University College London, *What about 'Post-Socialist Cities'?*
Discussant(s): Jane M Jacobs, University of Edinburgh

1228. Governance of Land Change and Agricultural Systems (II): Science and evaluation (Sponsored by Human Dimensions of Global Change Specialty Group)

- Room:** *Santa Monica B, Westin, Level 3* (Paper Session)
ORGANIZER(S): Kimberly Carlson, University of Minnesota; Avery Cohn
CHAIR(S): Avery Cohn
Introducer: Avery Cohn
10:00 Stephanie A. Spera*, Brown University; John F Mustard, Brown University; Bernardo Rudorff, Instituto Nacional de Pesquisas Espaciais; Leah VanWey, Brown University; Joel Risso, Instituto Nacional de Pesquisas Espaciais; Marcos Adami, Instituto Nacional de Pesquisas Espaciais, *Methods and dynamics of double cropping in Mato Grosso.*

- 10:20** Angelina Sanderson Bellamy, Dr.*, Stanford University; Ola Svensson, Stockholm University; Paul Van den Brink, Dr., Wageningen University; Michael Tedengren, Dr., Stockholm University, *Rainforest Alliance certified bananas: True ecological change?.*

- 10:40** Kimberly M Carlson, PhD*, University of Minnesota; Lisa M Curran, PhD, Stanford University, *Does roundtable commodity certification affect stream riparian buffer forest cover within oil palm plantations in Kalimantan?.*

- 11:00** Sabine Henders, Linköping University; Martin Persson*, Chalmers University of Technology, *Carbon Emissions from Land Use Change Embodied in International Trade in Agricultural Products.*

Discussant(s): Lisa M. Curran

1229. Geography and Mobile Phone Data: from theory to empirics (Sponsored by Communication Geography Specialty Group)

- Room:** *Santa Monica C, Westin, Level 3* (Paper Session)
ORGANIZER(S): Emmanouil Tranos, Vrije University; Rein Ahas, Department of Geography, University of Tartu
CHAIR(S): Rein Ahas, Department of Geography, University of Tartu
10:00 Emmanouil Tranos, Dr.*, VU Amsterdam, Dept. of Spatial Economics; Piet Rietveld, Prof., VU Amsterdam, Dept. of Spatial Economics, *Mobile phone usage and motorway traffic: a simultaneous equation approach.*
10:20 Benjamin Hopkins*, California State University, Chico, *Are we there yet? How ubiquitous use of mobile devices alters our ability to navigate.*
10:40 Kati Nilbe*, *Factors affecting visitors travel distance: a comparison of foreign event visitors' and regular visitors' in Estonia.*
11:00 Ruth Lane, Dr*, Monash University, *The Second Life of Mobile Phones.*
Discussant(s): Harvey Miller, University of Utah

1230. The Geography of Immigration Policy / Contentious Politics in the Obama Years, A Critical Assessment II (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group, Ethnic Geography Specialty Group)

- Room:** *Santa Monica D, Westin, Level 3* (Paper Session)
ORGANIZER(S): Monica Varsanyi, City University of New York; Walter Nicholls, Sociology, University of Amsterdam
CHAIR(S): Monica Varsanyi, City University of New York
10:00 Manuel Pastor*, University of Southern California, *The California Immigrant Integration Scorecard.*
10:15 Helga Leitner*, University of California, Los Angeles (UCLA), *Spaces of Immigrant Acts and Democratic Citizenship.*
10:30 Walter Nicholls*, Sociology, University of Amsterdam, *The Immigrant Rights Movement after Comprehensive Immigration Reform: From Centralized to De-Centralized Struggle.*
10:45 Deirdre Conlon, Ph.D.*, Saint Peter's University; Nick Gill, Ph.D., Exeter University, Exeter, UK, *A Countertopography of Immigrant Rights' Organizations in the Age of Austerity and Hope.*
11:00 Nina Martin*, University of North Carolina at Chapel Hill, *Nonprofit Responses to Anti-immigrant Legislation in the United States: Informalizing the Work of Migrant Civil Society.*

1234. The Local Politics of Financialization: Tensions, contradictions and contestation in community practice and urban governance

- Room:** *Laguna Parlor 3024, Westin, 30th Floor* (Paper Session)
ORGANIZER(S): Desiree Fields, CUNY Graduate Center; Benjamin Teresa

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CHAIR(S): Desiree Fields, CUNY Graduate Center

10:00 Irene Tung*, Rutgers, The State University of New Jersey, *Understanding Tax Lien Securitization*.

10:20 Sarah Knuth*, UC - Berkeley, *Climate Change and the Financialization of the US Local State*.

10:40 Benjamin F Teresa*, Rutgers University, *The Financialization of Rent-Regulated Housing in New York City: a framework for analysis*.

11:00 Desiree Fields*, CUNY Graduate Center, *Financialization and Changing Social Relations of Rent*.

11:20 Alan Walks*, University of Toronto, *From Ponzi Neoliberalism to Highly-Indebted Neighbourhoods: The Political Geography of Household Debt in Canadian Cities*.

1235. The Political Economy of China's Overseas Expansion (Sponsored by China Specialty Group)

Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Xiaobo Su, University of Oregon

CHAIR(S): Xiaobo Su, University of Oregon

10:00 Gang Xu*, Department of Geography & Planning, Grand Valley State University, *Chinese Foreign Direct Investment in the United States: Growth, Location Choice, and Entry Modes*.

10:20 Sanna Kopra*, University of Tampere, *China's rise to great power status and international negotiations on climate*.

10:40 Ian Rowen*, University of Colorado at Boulder, *Tourism and Territoriality in Taiwan and China*.

11:00 Xiaobo Su*, University of Oregon, *Agribusiness and the Marketization of China's aid programs in the Greater Mekong Subregion*.

1236. Environmental Change and Human Adaptation in High Asia (II) (Sponsored by Paleoenvironmental Change Specialty Group, Cryosphere Specialty Group, Geomorphology Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Yanan Li; Guocheng Dong, Institute of Tibetan Plateau Research, Chinese Academy of Sciences

CHAIR(S): Guocheng Dong, Institute of Tibetan Plateau Research, Chinese Academy of Sciences

10:00 Yanan Li*, University of Tennessee, Knoxville; Yingkui Li, University of Tennessee, Knoxville, *Impact of Topographic and Glaciological Factors on Glacial Change in Eastern Tian Shan*.

10:20 Yingkui Li*, University of Tennessee, *Chronology and extent of glacial advances during the Last Glaciation in eastern Tian Shan*.

10:40 Chaolu Yi*, Institute of Tibetan Plateau Research, Chinese Academy of Sciences; Guocheng Dong, Institute of Tibetan Plateau Research, Chinese Academy of Sciences; Baojin Qiao, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, *Glacier Shrinkage in Late Quaternary Linked with Aridity in Western Tibet and Middle Tian Shan*.

1237. Crises in the countryside? Part 2: Responding to crises, preparing for the future (Sponsored by Rural Geography Specialty Group, Energy and Environment Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Jennifer Dickie, University of Leicester, UK; Martin Phillips, University of Leicester

CHAIR(S): Mark Scott, University College Dublin

Introducer: Mark Scott

10:02 Jennifer Dickie*, University of Leicester, UK; Martin Phillips, University of Leicester, *The Emerging Energy Landscape of the British Countryside: An Investigation of the Hybridity of Renewable Energy Systems*.

10:22 Justine Law*, The Ohio State University, *Burning wood to power alternative rural economies? A case study of woody biomass energy generation in Vermont*.

10:42 J. Mark Baker*, Humboldt State University, *Neoliberalism and the Environment: Analyzing the Local Impacts of Small Hydropower Development in the Western Himalaya, India*.

11:02 Fabian Faller*, University of Luxembourg, *Everyday economic practices as processes of regionalisations*.

Discussant(s): Gordon Walker, Lancaster University

1238. Phenology II: Remote Sensing (Sponsored by Climate Specialty Group)

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Mark D Schwartz, University of Wisconsin-Milwaukee

CHAIR(S): Liang Liang, University of Kentucky

10:00 Lingling Liu*, Center for Earth Observation and Digital Earth, Chinese Academy of Sciences; Liangyun Liu, Center for Earth Observation and Digital Earth, Chinese Academy of Sciences; Yong Hu, Center for Earth Observation and Digital Earth, Chinese Academy of Sciences, *Response of spring phenology of grassland to elevation variations and climate warming using MODIS on the Tibetan Plateau*.

10:20 Keely Roth*, University of California, Santa Barbara; Dar Roberts, University of California, Santa Barbara; Susan Mazer, University of California, Santa Barbara; Carla D'Antonio, University of California, Santa Barbara; Nathan Emery, University of California, Santa Barbara, *Linking Field-based Observations of Plant Spectra, Function and Phenology in a Mediterranean-type Climate Ecosystem*.

10:40 Michael Toomey*, Harvard University; Mark Friedl, Boston University; Steven Frolking, University of New Hampshire; Dmitri Ilushin, Harvard University; Stephen Klosterman, Harvard University; Eli Melaas, Boston University; Sascha Perry, Lincoln University; Robert Pless, Washington University; Christopher Round, Harvard University; Hannah Skolnik, Columbia University; Andrew D Richardson, Harvard University, *Global phenological monitoring using publicly available webcams*.

11:00 Liang Liang*, University of Kentucky; Mark D. Schwartz, University of Wisconsin-Milwaukee, *Validation of Spatiotemporally Dense Springtime Land Surface Phenology with Intensive and Upscaled In-situ Observations*.

1239. Geographies of Health II

Room: Laguna Parlor 3068, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Fabian Schlatter, Institute for Geography Erlangen

10:00 Chantelle A.M. Richmond, PhD*, The University of Western Ontario; James Fortier, Turtle Island Productions; Robert Stewart, PhD, Lakehead University, *Using film to make environment-health research findings relevant for Indigenous communities*.

10:20 Sarah de Leeuw*, University of Northern British Columbia, *Drawing Back: (Re)imagining Northern and First Nations Health Geographies*.

10:40 Laurel Lunn, M.S.*, Vanderbilt University; Marielle Lovecchio, M.Ed., Center for Refugees & Immigrants of Tennessee, *The Health of Resettled Refugees: Somalis in Nashville, TN*.

11:00 Meghann Ormond*, Wageningen University, *Solidarity by demand? Forging cross-border allegiances through privatised health care*.

11:20 Fabian Schlatter*, Institute for Geography, University of Erlangen-Nürnberg, *Adherence as Resilience? Antiretroviral HIV-therapy in Botswana*.

TUESDAY, APRIL 9 • 10:00 AM - 11:40 AM • 1200**1240. Resilient Planning: Concepts, Substance, Actions-2 (Sponsored by Hazards, Risks, and Disasters Specialty Group)****Room:** *Malibu Parlor 3018, Westin, 30th Floor (Paper Session)*

ORGANIZER(S): Tuna Tasan-Kok, TUDelft

CHAIR(S): Tuna Tasan-Kok, TUDelft

Introducer: Tuna Tasan-Kok

10:05 Andre Sorensen*, University of Toronto, *Reconstruction, Resilience, and Redesign: Challenges of Post-Tsunami Rebuilding of Northeastern Japan.***10:25** Deanna H Schmidt*, University of Houston-Clear Lake; Kathleen Garland, PhD, University of Houston-Clear Lake; Henry Hodde, University of Houston-Clear Lake, *Planning & Building for Resilience: Recommendations for Post-Disaster Housing Recovery in Coastal Communities.***10:45** Fang-Yu Hu*, Ph.D. candidate in Architecture, IPRAUS and LESSU - Ecole Doctorale ?Ville, Transports et Territoires?, University of Paris-Est; AREP Ville; Nathalie Lancet, Director of the UMR AUSSE 3329 of National Center for Scientific Research and the Ministry of Culture and Communications; Gilles Hubert, Professor of University of Paris-Est Marne-la Vallée and researcher of Laboratoire Eau Environnement et Systèmes Urbaines (LEESU), *Interaction between urban spatial organization and flood risk. Taipei case study (1895-1945).***11:05** Munshi K Rahman, ABD*, Kent State University; Thomas Schmidlin, PhD, Kent State University, *Environmental changes and its impacts on livelihoods of fishing communities on Kutubdia Island, Bangladesh.*

Discussant(s): Alan A Lew, Northern Arizona University

1242. Airports as new centers of gravity within Cities and Regions (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)**Room:** *Malibu Parlor 3058, Westin, 30th Floor (Paper Session)*

ORGANIZER(S): Sven Conventz, Technical University of Munich; Alain Thierstein, Munich University of Technology

CHAIR(S): Sven Conventz, Technical University of Munich

10:00 Julie Cidell*, University of Illinois, *The spatial distribution of airport-related economic activity: Where are the jobs?***10:20** Khaula A. Alkaabi, PhD*, United Arab Emirates University; Keith G. Debbage, PhD, University of North Carolina at Greensboro; Ahmad Bin Touq, PhD, United Arab Emirates University, *The Geography of Aviation-Related Businesses Near Dubai International Airport.***10:40** Sven Conventz*, Technical University of Munich; Alain Thierstein, Munich University of Technology, *Airports and their redefined role within German knowledge economy context.***11:00** Danielle D. Guthrie*, South Dakota State University, *International Airports in the United States: Products of Government Investment.*

Discussant(s): Alain Thierstein, Munich University of Technology

1243. Geographies of Labor Organizing**Room:** *Malibu Parlor 3078, Westin, 30th Floor (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Stephen McFarland, CUNY Graduate Center

10:00 Emily Reid-Musson*, University of Toronto, *From transient to migrant workers: Labour geography, mobility and difference in the production of agricultural workforces in southwestern Ontario.***10:20** Stephen McFarland, MRP*, CUNY Graduate Center, *Labor Needs a Home: Labor Temples in the US Labor Movement, 1880-1920.***1244. Coastal Response to Sea Level Changes (Sponsored by Coastal and Marine Specialty Group)****Room:** *Malibu Parlor 3118, Westin, 31st Floor (Paper Session)*

ORGANIZER(S): Keqi Zhang; Thomas Allen, East Carolina University

CHAIR(S): Keqi Zhang

10:00 David Retchless*, The Pennsylvania State University, *The Effect of Cartographic Representations of Sea Level Rise Uncertainty on the Decision Making Process: A Proposed Methodology.***10:20** Thomas Allen*, East Carolina University, *Mapping Marshes on the Move in Sea-Level Rise Vulnerable North Carolina.***10:40** Dean Hardy*, Center for Integrative Conservation Research, UGA, *Mapping the Political Ecology of Vulnerability to Sea-level Rise Along Georgia's Coast.***11:00** Keqi Zhang*, *Estimates of the Sea Level Rise Effect on Storm Surge Flooding.***1245. Urban Redevelopment and Governance****Room:** *Malibu Parlor 3138, Westin, 31st Floor (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Yvonne Franz

10:00 Seth Spielman, PhD, University of Colorado at Boulder; Benjamin Bellman*, University of Colorado at Boulder, *Residential Segregation and the Metropolitan Built Environment.***10:20** Zhumin Xu*, University of New Orleans, *Subsidized Housing, Urban Redevelopment and Displacement in Globalizing Shanghai.***10:40** Ka Ling Cheung*, The Chinese University of Hong Kong; Mee Kam Ng, The Chinese University of Hong Kong, *Place governance and sustainable urban form: an institutional analysis of the "walled buildings" controversy in Hong Kong.***11:00** Aynur Saygin, PhD student*, University of Maryland, Baltimore County, *The (Justificatory) Use of Earthquake in Turkish Government's Urban Renewal Discourse.***11:20** Yvonne Franz*, University of Vienna, *Gentrification Trajectories and New Adaptive Urban Strategies in European and North-American Cities.***1246. Himalaya in the 21st Century (Sponsored by Asian Geography Specialty Group, Climate Change, Variability, Adaptation and Justice)****Room:** *Malibu Parlor 3158, Westin, 31st Floor (Paper Session)*

ORGANIZER(S): Pradyumna P. Karan, University of Kentucky

CHAIR(S): Pradyumna P. Karan, University of Kentucky

10:00 Pradyumna P. Karan*, University of Kentucky, *Urban Population Growth and Environmental Transformation in the Himalaya.***10:20** Milan Shrestha*, Arizona State University, *The Changing Dynamics of Land-use, Livestock, and Livelihood in the Nepal Himalaya.***10:40** Netra Chhetri*, Arizona State University, *When faced with the challenge of knowing: Making sense of place based approach to livelihoods and adaptation.*

Introducer: Keshav Bhattarai

11:10 Ramesh C. Dhussa*, Drake University, *Seasonal Migrants in the Himalayas.*

Discussant(s): David Zurick, Eastern Kentucky University

1247. Location Analysis and Modeling II (Sponsored by Spatial Analysis and Modeling Specialty Group)**Room:** *Malibu Parlor 3178, Westin, 31st Floor (Paper Session)*

ORGANIZER(S): Changjoo Kim, University of Cincinnati

CHAIR(S): Changjoo Kim, University of Cincinnati

Introducer: Changjoo Kim

10:00 Xi Mei*, George Mason University; Nigel Waters, George Mason University; Monica Gentili, University of

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Salerno, *An Investigation of the Influence of Demand Point Distribution on the Capacitated Vehicle Routing Problem*.

10:20 Kang-Jae Lee*, University of Seoul; Hye-Young Kang, University of Seoul; Jiyeong Lee, University of Seoul, *Indoor Localization using Descriptive data*.

10:40 Leonard S Bombom*, Oklahoma State University; Hongbo Yu, Oklahoma State University, *Space-Time Path-based Fragmentation Index for Exploring Activity Chains: Frequency vs Duration Approaches*.

11:00 Wei Chien Benny Chin*, Department of Geography, National Taiwan University; Tzai Hung Wen, Department of Geography, National Taiwan University, *Geographically Modified PageRank Algorithms: Measuring the Importance of Nodes in a Geospatial Network*.

11:20 Bradley D Macpherson*, Salisbury University Department of Geography and Geosciences, *Intersection-Based Retail Location Modeling: A Nodal Network Approach*.

1270. Geography and Aesthetics

Room: *Athenian, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Nazanin Naraghi; Jesse Proudfoot, DePaul University

CHAIR(S): Nazanin Naraghi

10:00 Andrei L. Israel*, The Pennsylvania State University, *Embodiment, Aesthetics, and Ethics: Encounters and Connections in Field-based Education*.

10:20 Jesse Proudfoot*, DePaul University; Paul T. Kingsbury, Simon Fraser University, *Periscope Up! Charting the desire of the Other in submarine films*.

10:40 Erin Siodmak, CUNY Graduate Center; Raymond Scannell*, CUNY Graduate Center, *Punk Aesthetics: Geographies of the Lower East Side Revisited*.

11:00 Anne-Laure Amilhat Szary*, Université Joseph Fourier, France, *Border art and hyper-territorialization*.

11:20 Nazanin Naraghi*, *The Irreducible Unconscious: L.A. Aesthetics and the Iranian Diaspora*.

1271. Changing Urban Dynamics of South Asian Cities (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group, Global Urbanization, Urban Geography Specialty Group)

Room: *Bernard's, Biltmore, Lobby Level* (Paper Session)

ORGANIZER(S): Chandana Mitra, Auburn University; Diganta DAS, National Institute of Education - Nanyang Technological University

CHAIR(S): Diganta DAS, National Institute of Education - Nanyang Technological University

10:00 Daniel E. Esser*, American University, *Rapid Urban Growth and Political Stability in Asia-Pacific: Fearing Cities or Changing Policies?*

10:20 Annapurna Shaw*, Indian Institute of Management Calcutta, *Urban Growth and Change in India's Global Era: Small City Dynamics*.

10:40 Debashish Bhattacharjee*, Indian Institute of Management Calcutta, *Locals, Migrants and Work Profiles in an Indian Five Star Hotel*.

10:55 Markus D. Keck*, Geography Department, University of Bonn, *How supermarkets change food shopping practices in Bangladesh*.

11:10 Anurag Kandya*, Indian Institute of Technology; Manju Mohan, Professor, Centre for Atmospheric Sciences, Indian Institute of Technology, New Delhi 110016, India; Chandana Mitra, Assistant Professor, Geology and Geography Department, Auburn University, Auburn, Alabama, USA, *The changing climate of the megacities of India: a scientific perspective based on multivariate analysis*.

1273. Space, social difference, and middle class poverty politics (Sponsored by Political Geography Specialty Group, Global Urbanization, Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group)

Room: *Corinthian, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Sarah Elwood, University of Washington; Victoria Lawson, University of Washington

CHAIR(S): Sarah Elwood, University of Washington

10:00 Jim Glassman*, University of British Columbia; Jia Ye, Postdoctoral Research Fellow, Max Planck Institute for the Study of Religious and Ethnic Diversity; Junjia Ye*, Max Planck Institute for the Study of Religious and Ethnic Diversity, *Middle Class Dispositions and the Politics of Poverty: Three Cases*.

10:20 Tony Sparks*, San Francisco State University, *Relational Poverty and the Production of Community: Views from two San Francisco Neighborhood Associations*.

10:40 Eugene McCann*, Simon Fraser University; Christiana Miewald, Simon Fraser University, *Situating a relational approach to poverty in urban spaces of care*.

11:00 Sarah Elwood*, University of Washington; Victoria Lawson*, University of Washington, *Encountering poverty: renegotiating class identities in sites of governance and contact zones*.

Discussant(s): Ananya Roy, University of California, Berkeley

1274. New Approaches to Transportation and Economic Development (Sponsored by Economic Geography Specialty Group, Transportation Geography Specialty Group)

Room: *Corsican, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Angela Antipova, University of Memphis

10:00 Zhenhua Chen*, George Mason University; Kingsley E Haynes, George Mason University, *Transportation and Regional Output: A Spatial Panel Assessment of the US Northeast Megaregion*.

10:20 Han Wang*, Renmin University of China; Mingxuan Yu, Renmin University of China, *The Effects of Mass Transit on Nearby Real Estate Values: A Review of Literature*.

10:40 David King*, Columbia University; Lauren Fischer, Columbia University, *Do New Rail Systems Affect Metropolitan Spatial Structure?*

11:00 Asma Al Eisaei*, United Arab Emirates University; Khaula A. Alkaabi, PhD, United Arab Emirates University, *The Relationship between Local Economic Development and Secondary Airport Performance at Al Ain City, UAE*.

11:20 Angela Antipova, AA*, University of Memphis; Esra Ozdenerol, University of Memphis, *Using Longitudinal Employer Dynamics (LED) data for the analysis of an emerging urban form: Aerotropolis and workforce structure in Memphis, Tennessee*.

1276. The Subconference

Room: *Grecian, Biltmore, Mezzanine Level* (Panel Session)

ORGANIZER(S): Christian Anderson, University of Washington at Bothell

CHAIR(S): Christian Anderson, University of Washington at Bothell

Panelists: Peter Brogan; Sutapa Chattopadhyay, UNU-Merit & Maastricht University; Brandon B Derman, University of Washington; Pierpaolo Mudu, University of Washington - Tacoma; Brett Story, University of Toronto; Chia Sui Hsu

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- 1277. Land Systems Science: Opening Plenary (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: *Heinsbergen, Biltmore, Lobby Level* (Panel Session)
 ORGANIZER(S): Richard Aspinall
 CHAIR(S): Richard Aspinall
 Panelists: B. L. Turner II, Arizona State University; Ruth DeFries, Columbia University
- 1278. Environmental Sustainability and Resilience (Sponsored by Environmental Perception and Behavioral Geography Specialty Group)**
Room: *Mediterranean, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Christopher Badurek, Appalachian State University; Maya Hutchins
 CHAIR(S): Christopher Badurek, Appalachian State University
10:00 Jeffrey C. French*, Appalachian State University; Christopher A. Badurek, PhD, Appalachian State University, *GIS Analysis of Impacts of Dams on Upstream Residential Property Values in Eastern Tennessee*.
10:20 Brigham John Jeremy, Ph. D.*, Kirkwood Community College, *Vulnerability and Resilience Following an Historic Flood in a Midwestern City*.
10:40 Maya G Hutchins*, Appalachian State University; Christopher A Badurek, Ph.D., Appalachian State University; Gregg H Marland, Ph.D., Appalachian State University; Eric S Marland, Ph.D., Appalachian State University, *A Comparative Analysis of Uncertainty and Accuracy in Power Plant Carbon Dioxide Emission Inventory Databases in the Continental United States*.
11:00 Christopher Badurek*, Appalachian State University; Brian Wize, Appalachian State University; Emily Morris, Appalachian State University, *GIS-based Decision-making for Siting Sustainable Energy Systems in Southern Appalachia*.
- 1279. Interdisciplinary Atmospheric Science**
Room: *Moroccan, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Ted C Eckmann, Bowling Green State University
 CHAIR(S): Ted C Eckmann, Bowling Green State University
10:00 Ted C Eckmann, PhD*, Bowling Green State University; Pece V Gorsevski, PhD, Bowling Green State University, *Quantifying Tradeoffs Between Offshore Wind Power Production on the Great Lakes and Impacts on Flying Wildlife*.
10:20 Cassondra M Newman*, Bowling Green State University; Nicole D Chase, Bowling Green State University; Ted C Eckmann, PhD, Bowling Green State University, *Analyzing Spatial Patterns in Tornado Deaths and Destructiveness in the United States to Improve Tornado Safety*.
10:40 Nicole D Chase*, Bowling Green State University; Ted C Eckmann, PhD, Bowling Green State University, *Patterns in Lightning Occurrence and Lightning Mortality in the United States*.
11:00 Abby G Frazier, MA*, University of Hawaii at Manoa; Thomas Giambelluca, PhD, University of Hawaii at Manoa, *Mapping Hawaiian Rainfall Trends*.
 Discussant(s): Ted C Eckmann, Bowling Green State University

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

1401. **CyberGIS Symposium: CyberGIS and Sustainability Sciences - Making Connections (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: Beaudry A, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Timothy Nyerges, University of Washington
 CHAIR(S): Timothy Nyerges, University of Washington
 Panelists: David Bennett, University of Iowa; Nina Lam, Louisiana State University; Steven D. Prager, University of Wyoming

1403. **Critical Rural Geographies of Agrarian Change and Rural Restructuring 1 (Sponsored by Rural Geography Specialty Group, Socialist and Critical Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

Room: La Brea, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Renata Blumberg, University of Minnesota; Jack Norton, Rutgers University
 CHAIR(S): Dinesh Paudel, University of Minnesota
 12:40 Renata Blumberg*, University of Minnesota, *Neoliberalizing Rural Development: Agrarian Politics in the New European Union.*
 1:00 Shana Hirsch*, University of Victoria, *"A Peculiar Form of Property:" Feudalism, Nationalism, and Contradiction in the Highlands and Islands of Scotland.*
 1:20 Sejuti Dasgupta, PhD scholar, 3rd Year*, SOAS; Sejuti Dasgupta, PhD scholar, 3rd Year, SOAS, *Privatization of Credit and Land: Post Liberalisation policies and Class Consolidation in Rural Chhattisgarh and Karnataka.*
 1:40 Chris Knudson*, Clark University, *The Embedded Vulnerability Matrix: Dominican Banana Farmers and Finance as Hazard.*
 Discussant(s): Elizabeth Lunstrum, York University; Daisaku Yamamoto, Colgate University

1404. **(Re)appraising place-based strategies: from land use plans to urban renewal schemes**

Room: La Cienega, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Kaisa Schmidt-Thome, Aalto University; Christer Bengs, aalto university
 CHAIR(S): Christer Bengs, aalto university
 12:40 Christer Johannes Bengs*, aalto university, *Urban renewal and the local economy.*
 1:00 Toon Dirckx*, KU Leuven, *Different modus operandi in Housing production systems.*
 1:20 Ismael Yrigoy*, Research Group on Sustainability and Territory, Department of Earth Sciences, University of the Balearic Islands (Spain), *From Redevelopment Megaprojects to Austerity Areas: Shifting Geographies of Urban Development in Majorca.*
 1:40 Enrica Polizzi di Sorrentino*, Dipartimento MEMOTEF, Sapienza Università di Roma, Italy; Francesco Bonsinetti, Dipartimento PAU, Università Mediterranea di Reggio Calabria, Italy; Enzo Falco, Dipartimento DATA, Sapienza Università di Roma, Italy; Alessia Ferretti, Dipartimento DATA, Sapienza Università di Roma, Italy; Audrey L. Schultz, School of the Built Environment, The University of Salford, UK, *Place-based Neighborhood Revitalization Strategies: Boston case studies.*
 2:00 Kaisa Schmidt-Thome*, Aalto University; Jonna Kangasojä, Aalto University, *Mapping the local economy with SoftGIS.*

1405. **Bridging Practice and Theory with Legal Geography 3: Law, regulation, theory**

Room: Los Cerritos, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): John Carr, University of New Mexico; Melinda Harm Benson, University of New Mexico
 CHAIR(S): John Carr, University of New Mexico
 12:40 Matthew Sothorn*, University of St. Andrews; Mike Kesby, University of St. Andrews, *Sex, Blood, Law: rights and the limits of epidemiological science in blood donor activism.*
 1:00 Lisa T. Alexander*, University of Wisconsin Law School, *Cyberfinancing for Economic Justice.*
 1:20 Craig N Hatcher*, University of Zurich, *Using legal geography as a tool to attend to the everyday experiences of law.*
 1:40 David Tecklin*, University of Arizona, *Constructing private rights in Chile's largest public resource: property, privatization and governance in the coastal zone.*
 2:00 Hari Osofsky*, University of Minnesota Law School, *The Value of Law and Geography: Past Accomplishments and Future Possibilities.*

1406. **Geographies of Entrepreneurship in Developed and Developing Economies I (Sponsored by Economic Geography Specialty Group)**

Room: Los Feliz, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Benjamin Spigel, University of Toronto; Elizabeth Mack, Arizona State University
 CHAIR(S): Benjamin Spigel, University of Toronto
 12:40 Ben Spigel*, University of Toronto, *Regional Cultures and Entrepreneurial Resiliency.*
 1:00 Yasuyuki Motoyama*, Kauffman Foundation, *Sources of firm growth.*
 1:20 Elizabeth A. Mack, Ph.D.*, Arizona State University, *Spatio-Temporal Patterns of Entrepreneurial Activity: A Case Study of Phoenix, AZ.*
 1:40 Stephen FitzHerbert*, The University of Auckland, *Geographies of taewa: the constitution of markets in Maori agricultural networks.*
 2:00 Anne Lorentzen, Prof. Dr.*, Aalborg University, *Culture festivals as entrepreneurial projects. The case of the annual Days of Tordenskiold.*

1407. **Making alternative food systems work II: Values-based supply chains (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

Room: Palos Verdes, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Ryan E. Galt, University of California, Davis; Liz Carlisle, UC Berkeley
 CHAIR(S): Ryan E. Galt, University of California, Davis
 12:40 Tracy Lerman*, University of California Davis, *Who Benefits from Marketing Farmers? A Case Study of Farm-Identified Produce Distribution in San Francisco.*
 1:00 Tad Mutersbaugh*, University of Kentucky, *Global AFNs? Value, Locality & Alterity: Latin America, the EU and US.*
 1:20 Liz Carlisle*, UC Berkeley, *Lentil Underground.*
 1:40 Thea Rittenhouse, MS*, UC Davis, *Localization of the Agrarian Image: Historic, Geographic, and Socio-Political Representations of the "Family Farm" and the Implications for Farm Labor Practices.*
 2:00 Christopher Bacon*, Santa Clara University, *Quality revolutions, solidarity networks, and sustainability innovations: Following Fair Trade coffee from Nicaragua to California.*

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- 1408. Bargaining with Distant Places: Historical and Cultural Aspects of Real and Virtual Travel (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)**
Room: *San Bernardino, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Terence Young, California State Polytechnic University-Pomona
 CHAIR(S): Dydia DeLyser, Louisiana State University
12:40 Steven Hoelscher*, University of Texas, *Small World: Traveling with Magnum*.
1:00 Derek H Alderman*, University of Tennessee; Joshua Inwood, University of Tennessee; Richard Kennedy, East Carolina University, *Tourism, White Supremacy, and African American Mobilities: The Green Book and Jim Crow Journey Stories*.
1:20 Terence Young*, California State Polytechnic University-Pomona, *"To Think and Feel and Become Sanctified": Camping as American Pilgrimage*.
1:40 Daniel Knudsen*, Indiana University, *On the Importance of Communitas and Liminality, or Getting Lost in Venice*.
 Discussant(s): Yolonda Youngs, Idaho State University
- 1409. Africa II - Demography, Land Use and Development (Sponsored by Africa Specialty Group)**
Room: *San Fernando, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
 CHAIR(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
12:40 Gebeyehu Mulugeta*, Chicago State University, *Demographic and Land Use/Land Cover Dynamics in Africa, 1990-2010*.
1:00 William Y. Osei*, Algoma University, *Pathways for sustainable food supply systems in Africa*.
1:20 Peter Scull*, Colgate University, *An inventory of Church Forests in the Debre Tabor region of northern Ethiopia*.
1:40 Leo C Zulu, Dr*, Michigan State University, *Bringing People Back into Protected Forests in Developing Countries: Translating Good Forest Co-management Intentions Into Real Results*.
 Discussant(s): Iddrisu Adam, University of Wisconsin - Marshfield Campus
- 1410. Global Urbanization and Local Politics in an Age of Austerity III: Relating beyond the 'Localist Trap' (Sponsored by Global Urbanization, Urban Geography Specialty Group)**
Room: *San Gabriel A, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Deborah G Martin, Clark University
 CHAIR(S): Gordon MacLeod, University of Durham
12:40 Michael Thyrestrup Pedersen*, AAU, *relational space making in cultural planning*.
1:00 John Harrison*, Loughborough University, *Coalitions of the willing, coalitions of the obliged: localism, territorial politics, and the new politics of scale*.
1:20 Joe Painter*, Durham University, *Localism, Urbanism and Nostalgia*.
1:40 Marcos Feldman, PhD*, Florida International University; Violaine Jolivet, PhD, Université de Montréal, *Pastoral Power and Neighborhood Politics: How Cuban-Americans Govern Little Havana..*
 Discussant(s): Kevin Ward, University of Manchester
- 1411. Contesting and Constructing Spaces of Mobility and Transport III (Sponsored by Urban Geography Specialty Group, Energy and Environment Specialty Group, Transportation Geography Specialty Group)**
Room: *San Gabriel B, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois; Donald Anderson
 CHAIR(S): Michael Minn, University of Illinois
12:40 Theodore H Grossardt, Ph D*, University of Kentucky, *Rail Mobility: Moving Labor In, and Grain Out, on the pre-WWI High Plains*.
1:00 Michael Minn*, University of Illinois, *American Passenger Rail Network Durability and the Spaces of Actor-Network Theory*.
1:20 Martin Danyluk*, University of Toronto, *Logistics, Dialectics, and Right-Wing Revolution*.
1:40 Mimi Sheller*, Drexel University, *Infrastructural Futures: Contested Mobilities and the Materiality of Aluminum*.
- 1412. REDD Models and Forest Politics in Indonesia (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: *San Gabriel C, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Wendy Miles, University of Hawaii at Manoa; Caleb Gallemore, Ohio State University
 CHAIR(S): Micah R Fisher
12:40 Abidah Setyowati*, Geography Department, Rutgers University; Abidah Billah Setyowati, Geography Department, Rutgers University, *Hollowing out of the State? The Politics of Ulu Masen REDD+ Implementation*.
1:00 Wendy Miles, PhD Candidate*, University of Hawaii at Manoa; Rut Dini Prasti, BSc, University of Palangka Raya, Central Kalimantan, *Revaluing Rainforests: The Political Ecology of Market-Based Conservation*.
1:20 Caleb Gallemore*, Ohio State University; Rut Dini Prasti, University of Palangkaraya; Moira Moeliono, Center for International Forestry Research, *Conservation Touching Down: Networks, Communication, and REDD+ Policy Development in Central Kalimantan, Indonesia*.
1:40 Mari Mulyani, PhD Candidate*, University of Oxford, *The power of Transnational Networks in promoting good governance in REDD+ policy making in Indonesia: a case study of the development of the Indonesia's National Strategy for REDD+*.
 Discussant(s): Nancy Peluso, University of California
- 1413. The Academic Job Market for Geographers (Sponsored by Stand-Alone Geographers Affinity Group, Graduate Student Affinity Group, Community College Affinity Group, Geography Faculty Development Alliance (GFDA), Enhancing Departments and Graduate Education project (EDGE))**
Room: *San Pedro, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Joy K. Adams, Association of American Geographers; Mark Revell, Association of American Geographers
 CHAIR(S): Rachel S. Franklin, Brown University
 Introducer: Joy K. Adams
 Discussant(s): Rachel S. Franklin, Brown University
 Panelists: Mark Barnes, Rutgers, The State University of New Jersey; David Shively, University of Montana; Richard Hunter, SUNY Cortland; Unna I Lassiter, California State University Long Beach; Trushna Parekh, University of Kentucky; Jeffrey Widener, The University of Oklahoma
- 1416. The Geography of Trials 3 (Sponsored by Political Geography Specialty Group)**
Room: *Santa Anita C, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Alex Jeffrey, Newcastle University; Michaelina Jakala
 CHAIR(S): Reecia Orzeck, Illinois State University
12:40 Anne Bitsch*, Center for gender research, *The Geography of Rape: Construction of Masculinities in Norwegian Law and Legal Practice*.
1:00 Joaquin Villanueva*, Fairleigh Dickinson University, *Between civil law and common law: Legal cultures and judicial geographies*.
1:20 Katie Ledingham*, University of Exeter, *Buffalo*.

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Brucellosis and Biopolitics in the USA: On Field Science and Legal Evidence.

- 1:40** Nancy Lewis, PhD*, East-West Center; David Cohen, JD, PhD, East-West Center, *The Asian International Justice Initiative: Research, Capacity Building and Outreach in the Asia Pacific Region.*

- 1417. Traveling for a Cause: Critical Examinations of Volunteer Tourism and Social Justice III (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)**

Room: Santa Barbara A, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Mary Mostafanezhad, University of Otago;
 Harng Luh Sin, University of Colorado at Boulder
 CHAIR(S): Jim Butcher, Canterbury Christ Church University
12:40 Maggie C. Miller*, University of Waterloo; Heather Mair, PhD, University of Waterloo, *Organic volunteering as transformative tourism experiences: A phenomenological exploration.*
1:00 Phoebe Everingham, RHD student*, University of Newcastle, *Volunteer tourism: More than Poverty Alleviation.*
1:20 Aviva Sinervo, PhD*, University of California, Santa Cruz, *Brokering Aid through Tourism: The Contradictory Roles of Volunteer Coordinators in Cusco, Peru.*
1:40 Cori Jakubiak*, Grinnell College, *Ambivalence as an Optimal Outcome of Participation in an English Language Voluntourism Program.*
 Discussant(s): Jim Butcher, Canterbury Christ Church University

- 1418. Who Speaks for the Climate: Author Meets Critics (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Climate Change, Variability, Adaptation and Justice, Communication Geography Specialty Group)**
- Room:* Santa Barbara B, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Paul C. Adams, University of Texas at Austin
 CHAIR(S): Joseph Palis, North Carolina State University
 Discussant(s): Maxwell Boykoff, University of Colorado
 Panelists: James McCarthy, Clark University; Michael Goodman, King's College London; Karl Zimmerer, Pennsylvania State University; Diana Liverman, University of Arizona; Paul C. Adams, University of Texas at Austin

- 1419. Contention, Control, and Political Innovations in Cities 1 (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)**

Room: Santa Barbara C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Walter Nicholls, Sociology, University of Amsterdam; Justus Uitermark, Department of Sociology
 CHAIR(S): Justus Uitermark, Department of Sociology
12:40 Justus Uitermark*, Department of Sociology; Walter J Nicholls, University of Amsterdam, *Contention, Control, and Political Innovations in Cities.*
1:00 Julie-Anne Boudreau*, INRS-Montreal, *An urban logic of political action? Some thoughts about the little red square pinned on the hats of Montreal students - Spring 2012.*
1:20 Richard Walker*, University of California-Berkeley, *Cities and Political Innovation: The Case of San Francisco.*
1:40 Michael Janoschka*, Universidad Autónoma de Madrid; Jorge Sequera, Universidad Autónoma de Madrid; Elvria Mateos, Universidad Autónoma de Madrid, *Emerging Geographies of Subversive Citizenship Visual Methodologies and the City as a Site of Political Innovation.*
2:00 Bart Wissink*, City University of Hong Kong; Joeri

Nortier, Utrecht University, *Reclaiming Hong Kong: The Harbour Controversy and the Constitution of a Counter Public.*

- 1420. Fluvial Legacies: Enduring Influences of Channel Changes (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)**

Room: Sacramento, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Allan James, University of South Carolina; Scott Lecce, East Carolina University
 CHAIR(S): Allan James, University of South Carolina
12:40 Charles W Martin*, Kansas State University, *Recent heavy metal contamination along the Dill River, central Germany.*
1:00 Cody J. Mertens*, University of Wisconsin- La Crosse; Ryan Perroy, PhD, University of Wisconsin La Crosse; Colin Belby, PhD, University of Wisconsin La Crosse; Sara Erickson, University of Wisconsin La Crosse, *Three-Dimensional Modeling of Lead Contamination in an Urban Wetland.*
1:20 Claire M. Ruffing*, Kansas State University; Melinda D Daniels, PhD, Kansas State University; Kathleen A. Dwire, PhD, USDA Forest Service, *Influence of disturbance legacies on geomorphic and riparian dynamics in mountain streams.*
1:40 Bartosz Grudziński*, Kansas State University; Melinda D Daniels, Dr, Kansas State University, *Influence of grazing treatments and riparian protection on stream geomorphology and sediment concentrations in the Flint Hills and Osage Plains..*
 Discussant(s): Scott Lecce, East Carolina University

- 1421. Finance, Debt and the Realization of Value in the Social Factory I**

Room: San Diego, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Mark Kear, Simon Fraser University; Lana Swartz, USC
 CHAIR(S): Mark Kear, Simon Fraser University
12:40 Benjamin Lozano*, UCSC, *Virtuality & Synthetic Finance.*
1:00 Karl Beitel*, *Financial engineering as a meta-regulation vs. financial engineering as a form of predatory accumulation.*
1:20 Shiri Pasternak*, University of Toronto, *Financializing the Costs of Aboriginal Rights in Canada: A survey of the settler colonial risk matrix.*
1:40 Miles Kenney-Lazar*, Clark University, *Financializing Land: The Production of Value in the Global Land Grab.*
2:00 Lana Swartz*, USC, *Mobile Money: 1950 - 1969: The Transactional Geography of the Diners Club Card.*

- 1422. Conservation Governance I: New Financing and Market-Oriented Conservation (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)**

Room: San Francisco, Westin, Level 2 (Panel Session)
 ORGANIZER(S): Kelly Kay, Clark University; Eric Nost, University of Kentucky
 CHAIR(S): Kelly Kay, Clark University
 Discussant(s): Morgan Robertson, University of Kentucky
 Panelists: Patrick Bigger, University of Kentucky; Elizabeth N Shapiro, Duke University; Daniel Suarez, University of Toronto; Jessica Dempsey, University of British Columbia

- 1423. Relational Geographies of Global Change: Financial Geographies of Emerging Markets (Sponsored by Economic Geography Specialty Group)**

Room: San Jose, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Tim Heinemann, HafenCity University Hamburg; David Bassens

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- CHAIR(S): David Bassens
 Introducer: Tim Heinemann
 Introducer: David Bassens
12:50 Thomas Sigler, PhD*, University of Queensland, *The Relational City: Panama City in the 21st Century*.
1:10 Phillip O'Neill*, University of Western Sydney, *The role of property relations in new infrastructure financing in south-east Asian nations*.
1:30 Daniel Haberly, Ph.D.*, Clark University, *Domesticating Financialization? South-North Sovereign Wealth Fund Investment and Industrial Policy in Abu Dhabi*.
1:50 David Bassens*, Ghent University; Tim Heinemann, HafenCity University Hamburg, *Relational Geographies of Global Change: The Rise of Middle Eastern Emerging Markets*.
 Discussant(s): James D. Sidaway, National University of Singapore
- 1424. Tourism Geography and Evolutionary Research I (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: Avalon, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Patrick Brouder; Alison M Gill, Simon Fraser University
 CHAIR(S): Salvador Anton Clave, Rovira i Virgili University
12:40 Cinta Sanz-Ibáñez, Phd Candidate*, Rovira i Virgili University; Salvador Anton Clavé, Professor, Rovira i Virgili University, *Towards an Integrated Relational-Evolutionary Perspective of Local Tourism Destinations as Complex Districts*.
1:00 Jerry Patchell*, Social Science, HKUST, *Ski Area Cooperation*.
1:20 Anders Larsson*, University of Gothenburg; Kristina Nilsson Lindström, University of Gothenburg, *Evolutionary perspectives on regional knowledge collaboration: the case of yacht manufacturing and coastal tourism on Orust Island, Sweden*.
1:40 Patrick Brouder*, Mid Sweden University & Umeå University; Robert A. Macpherson, University of St. Andrews, Scotland, *Macro-level hope and micro-level despair? Dynamics of survival in the restaurant sector in Northern Sweden*.
 Discussant(s): Robert Hassink, Dept. of Geography, University of Kiel
- 1425. Whiteness and Race: Rethinking the boundaries I- Whiteness and practice (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)**
Room: Emerald Bay, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Fletcher Chmara-Huff, The Ohio State University; Brittany Davis, University of Arizona
 CHAIR(S): Fletcher Chmara-Huff, The Ohio State University
12:40 Richard A Milligan, PhD Candidate*, University of Georgia, *Governmentality Occupies Grassroots Water Politics in Georgia: Whiteness and the Cultivation of a Watershed Self*.
1:00 Kathryn Besio*, University of Hawaii-Hilo; Sarah Marusek, University of Hawaii-Hilo, *Losing It in Hawai'i: Weight Watchers and the Paradoxical Nature of Weight Loss*.
1:20 Miguel De Oliver, Dr. *, University of Texas at San Antonio, *Gentrification as Cultural Displacement: The displacement of urban ethnic otherness as agents of 'diversity'*.
1:40 Justine Lindemann*, Cornell University, *Rustbelt Revitalization: Spaces of Whiteness and Racialized Inequality*.
2:00 Tamir Arviv, University of Toronto - Department of Geography and Planning; Tamir Arviv*, University of Toronto, *Transnational celebration and protest and the quest of becoming a coherent white citizens: The case study of Jewish-Israeli trans-migrants in Toronto*.
- 1426. Regional Studies Association Annual Lecture: Allen J. Scott**
Room: Hollywood Ballroom, Westin, Level 3 (Panel Session)
 ORGANIZER(S): Dieter F. Kogler, University College Dublin; Arnoud Lagendijk, Radboud University Nijmegen
 CHAIR(S): Arnoud Lagendijk, Radboud University Nijmegen
 Introducer: Ron Boschma
 Discussant(s): Dominic Power
 Panelists: Allen J Scott, University of California - Los Angeles
- 1427. Planetary Urbanization in Comparative Perspective 2 (Sponsored by Global Urbanization, Urban Geography Specialty Group)**
Room: Santa Monica A, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Ozan Karaman, ETH Singapore; Christian Schmid, ETH Zurich
 CHAIR(S): Colin McFarlane, Durham University
12:40 Ute Lehrer*, York University; Bernd Belina, Goethe University Frankfurt; Roger Keil, York University, *Suburban identities in the global city between competition and cooperation*.
1:00 Peter Gotsch*, University of Applied Sciences Frankfurt, *Private Cities and Emerging Urbanisms. Three case studies from Jakarta, Mumbai, and São Paulo*.
1:20 Ozan Karaman*, Singapore-ETH Centre, *Patterns and pathways of urbanization, a bottom-up approach to comparison*.
1:40 Kit Ping Wong*, Singapore-ETH Centre; Naomi Hanakata, Singapore-ETH Centre, *Commodification of Urban Differences*.
 Discussant(s): Helga Leitner, University of California, Los Angeles (UCLA)
- 1428. Governance of Land Change and Agricultural Systems (III): Development (Sponsored by Human Dimensions of Global Change Specialty Group)**
Room: Santa Monica B, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Kimberly Carlson, University of Minnesota; Avery Cohn
 CHAIR(S): Kimberly Carlson, University of Minnesota
 Introducer: Kimberly Carlson
12:40 Avery S Cohn, Ph.D. *, National Center for Atmospheric Research; Leah VanWey, Ph.D., Brown University; Stephanie Spera, Brown University; John Mustard, Ph.D., Brown University, *Institutional Causes of Double Cropping in Mato Grosso, Brazil: 2000-2011*.
1:00 Gregory M. Thaler*, Cornell University, *Towards a Forest Transition in Brazil?: Agricultural Development and Governance in 21st Century Amazonia*.
1:20 Lisa C Kelley*, University of California, Berkeley; Matthew D Potts, PhD, University of California, Berkeley, *Boom and Bust in Sulawesi's Cacao Landscapes*.
1:40 Jenny E Goldstein*, University of California, Los Angeles (UCLA), *No Rice but Mega Rice: Food Security and Peatland Forest Conversion in Kalimantan, Indonesia*.
 Discussant(s): Susanna Hecht, University of California Los Angeles
- 1429. Encryption for confidentiality protection in geospatial studies with human subjects (Sponsored by Health and Medical Geography Specialty Group, Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)**
Room: Santa Monica C, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Geoffrey Jacquez, State University of New York at Buffalo; Khaled El Emam, Electronic Health Information Laboratory
 CHAIR(S): Geoffrey Jacquez, State University of New York at Buffalo
12:40 Geoffrey M Jacquez, MS, PhD*, State University of New York at Buffalo, *Exploratory Evaluation of Homomorphic Cryptography for Confidentiality*

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Protection: Study Motivation, Objectives and Design.

- 1:00** Daniel W. Goldberg, PhD*, Texas A&M University, *Overview of Approaches to Confidentiality Protection in Geospatial Studies with Human Subjects.*
- 1:20** Khaled El Emam*, Electronic Health Information Laboratory, CHEO Research Institute, *An overview of secure computation methods for sharing and analyzing personal information and data on small areas.*
- 1:40** Aleksander Essex, Ph.D.*, CHEO Research Institute, *Invisible Pushpins: Techniques for Computing Geospatial Statistics on Encrypted Data.*
- 2:00** Andrew J Curtis*, Kent State University, *Can I see your house from here? Reengineering risk in health maps.*

1430. Geopolitics of Mobility and Immobility 1: Territories, Borders and Humanitarianism (Sponsored by Political Geography Specialty Group, Borders)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

- ORGANIZER(S): Michael Collyer, University of Sussex; Mathew Coleman, Ohio State University
- CHAIR(S): Elisa Pascucci, University of Sussex
- 12:40** Rosie Cox*, Birkbeck, University of London, *'I'm allowed out on Sunday afternoon': Gender, migration regimes and the (im)mobility of domestic labour.*
- 1:00** Nannette Abrahams*, Goethe-Universität Frankfurt Am Main, *Hip Hop Geopolitics of Mobility and Immobility in Senegal.*
- 1:20** Christopher Strunk*, Augustana College, *Practicing citizenship in restrictive contexts: Bolivian migration, return, and networks of belonging in Washington D.C. and Cochabamba.*
- 1:40** Jill Williams*, Clark University, *Border Enforcement, Migrant Deaths, and the Humanitarian State.*
- 2:00** Andrew Burrige, Dr.*, International Boundaries Research Unit, Department of Geography, Durham University, *Humanitarianism, Fundamental Rights Agreements and Border Management: the Case of Frontex.*

1434. Transforming Greater China (Sponsored by China Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group, Symposium on New Geographies of Urban China)

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)

- ORGANIZER(S): George C.S. Lin, University of Hong Kong
- CHAIR(S): Kam Wing Chan, University of Washington
- 12:40** Kam Wing Chan, Professor*, University of Washington, *China's Urbanization-Consumption Myth.*
- 1:00** Sue-Ching Jou*, National Taiwan University, *Water, Urban Design and Pathway to Post-industrial City: The Chung Kang Project and Its Paradoxes of Green Urbanity and Participation.*
- 1:20** David Ley*, University of British Columbia, *Gentrification in Hong Kong?*
- 1:40** Lily Kong, Prof*, National University of Singapore, *Culture, Economy and Democracy Don't Mix? Dilemmas in Sustainable Urban Transformation in Hong Kong.*
- 2:00** Clifton W Pannell, Emeritus Professor*, University of Georgia; Philip H Loughlin, Emeritus Professor, Maryville University, *Macau's Transformation within the Urban Development of Greater China.*

1435. Toward Social and Ecological Balance in Forested Landscape I (Sponsored by China Specialty Group, Remote Sensing Specialty Group)

Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)

- ORGANIZER(S): Conghe Song, UNC Chapel Hill; Lauren Persha, University of North Carolina at Chapel Hill
- CHAIR(S): Conghe Song, UNC Chapel Hill
- 12:40** Desserae Shepston, PhD*, University of Illinois, Springfield, *The Effects of Forest Policy Change on*

Patterns of Forestation in the U.S. Pacific Northwest and British Columbia, Canada.

- 1:00** Esteban Rossi, PhD student*, Clark University, *Socio-political and technical barriers to sustainable forest management in Northern Nicaragua: lessons from hurricane Felix (2007).*
- 1:20** Brenden McNeil*, West Virginia University, *Humans are the Wilderness: Human Domination of Forest Functioning in Eastern North America.*
- 1:40** Lauren Persha*, University of North Carolina at Chapel Hill; Krister Andersson, Department of Political Science, University of Colorado at Boulder, *Elite capture risk and mitigation in decentralized forest governance regimes.*
- 2:00** Conghe Song*, UNC Chapel Hill, *Sustainability of China's Sloping Land Conversion Program: A Comparison Among Three Sites.*

1436. Science & the Production of Species I: How Scientific Framings Matter (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

- ORGANIZER(S): Elizabeth Hennessy, University of North Carolina Chapel Hill
- CHAIR(S): Elizabeth Hennessy, University of North Carolina Chapel Hill
- 12:40** Ruth E Goldstein*, University of California, Berkeley; Ruth E Goldstein, Doctoral Candidate, University of California, Berkeley, *An Ecology of the Self: When Nature Goes Public and Other Wild Thoughts.*
- 1:00** Jenny R. Isaacs*, Rutgers University.
- 1:20** Xan S Chacko*, University of California, Davis, *When life gives you lemons: the material publication of Frank Meyer (1908-1918).*
- 1:40** Lawrence Mastroni*, Southwestern Oklahoma State University, *From Protection to Production: The United States Bureau of Biological Survey and Migratory Waterfowl.*

Discussant(s): Lisa Campbell, Duke University

1437. Crises in the countryside? Part 3: Local crises, alternative futures (Sponsored by Rural Geography Specialty Group, Energy and Environment Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)

- ORGANIZER(S): Jennifer Dickie, University of Leicester, UK; Martin Phillips, University of Leicester
- CHAIR(S): Martin Phillips, University of Leicester
- Introducer: Martin Phillips
- 12:42** Jessica Wilczak*, University of Toronto, *Crisis and Opportunity in Rural China: Building a New Socialist Countryside in the Aftermath of the Wenchuan Earthquake.*
- 1:02** Marisa Wilson, MPhil, DPhil (Oxon)*, University of the West Indies, *Alternative Rural Futures and Scale in Cuba: Crisis and Continuity.*
- 1:22** Neusa Hidalgo Monroy, PHD*, University of Toledo; Neusa Hidalgo Monroy, Ph D, University of Toledo, *Alternatives To Rural Development: Organic Agriculture And Indigenous Communities In Mexico.*
- 1:42** Claire Jarvis*, University of Leicester UK; Martin Phillips, University of Leicester; Jennifer Dickie, University of Leicester, *3D visualisation of industrial and grassroots adaptation to uncertain climatic and socio-economic futures.*

Discussant(s): Michael Woods, Aberystwyth University

TUESDAY, APRIL 9 • 12:40 PM - 2:20 PM • 1400**1438. Remote Sensing and GIS Techniques in Wetland and Coastal Ecosystems (1) (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Coastal and Marine Specialty Group)**

- Room:** *Laguna Parlor 3064, Westin, 30th Floor* (Paper Session)
 ORGANIZER(S): Caiyun Zhang, Florida Atlantic University;
 Xiaojun Yang, Florida State University
 CHAIR(S): Zhixiao Xie, Florida Atlantic Univ.
12:40 Xuelian Meng*, Assistant Professor, *The Land-use Dynamics at Mississippi River Delta Front in Recent Two Decades*.
1:00 Xiaofan Xu*, Department of Geosciences, University of Missouri ? Kansas City; Wei Ji, Department of Geosciences, University of Missouri ? Kansas City, *A Knowledge-based Approach of Satellite Image Classification for Urban Wetland Detection*.
1:20 Yong XU*, The Chinese University of Hong Kong; Bo Huang, The Chinese University of Hong Kong; Biao Liu, The Chinese University of Hong Kong, *Spatial and Temporal Classification of Synthetic Satellite Imagery: Land Cover Mapping and Accuracy Validation*.
1:40 Rebecca L Powell*, Wake Forest University and University of Denver; Laura L Hess, Earth Research Institute, University of California, Santa Barbara; Thiago S. F. Silva, National Institute for Space Research (INPE), Brazil; Jason Isherwood, Department of Geography, University of Denver; David McGrath, Woods Hole Research Center and Federal University of Para, *Integrating Landsat, MODIS, and PALSAR Data for Intra-annual Characterization of Amazon Floodplain Habitats*.
2:00 Zhixiao Xie*, Florida Atlantic Univ.; Leonard Pearlstine, Everglades National Park, South Florida Natural Resources Center; Dale E. Gawlick, Florida Atlantic Univ., *Developing a Fine Resolution Digital Elevation Model to Support Hydrological Modeling and Ecological Studies in the Northern Everglades*.

1439. GeoHumanities and Health I (Sponsored by Health and Medical Geography Specialty Group)

- Room:** *Laguna Parlor 3068, Westin, 30th Floor* (Paper Session)
 ORGANIZER(S): Sarah Atkinson, Durham University; Felicity Callard, Durham University
 CHAIR(S): Felicity Callard, Durham University
12:40 Nancy Ettlinger*, Ohio State University, *Problems and Pitfalls of Caring For and About Senior Citizens in the United States*.
1:00 Sarah Atkinson*, Durham University, *Destabilising the spaces of wellbeing: discourse, measurement and imagination*.
1:20 Jennifer Laws*, Durham University, *The man who couldn't sleep because the noise of the stars disturbed him, or what magical realism can offer a geographical study of recovery*.
1:40 Christine Milligan, PhD*, Lancaster University, *'Men say they're fine and then they drop dead.' Creating space for the performance of masculinities in old age..*
 Discussant(s): Robin A. Kearns, University of Auckland

1440. Opportunities and Challenges of Community-Based Pedagogy in Urban Geography and Urban Studies (Sponsored by Geography Education Specialty Group)

- Room:** *Malibu Parlor 3018, Westin, 30th Floor* (Panel Session)
 ORGANIZER(S): Ahmed Allahwala; Jurgen Von Mahs, The New School
 CHAIR(S): Ahmed Allahwala
 Introducer: Ahmed Allahwala
 Panelists: Jurgen Von Mahs, The New School; Amanda Rees, Columbus State University; Peter Hall, Simon Fraser University; Michael D. Webb, The Ohio State

University; Keith Harris, University of Washington; Shumei Huang

1441. Found in Translation: Performing queer injuries and desires (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

- Room:** *Malibu Parlor 3038, Westin, 30th Floor* (Panel Session)
 ORGANIZER(S): Lorena Munoz, University of Minnesota; Begum Basdas
 CHAIR(S): Lorena Munoz, University of Minnesota
 Panelists: David Seitz; Tiffany Muller Myrdahl, University of Lethbridge; Begum Basdas; John Paul Catungal, University of Toronto; Lorena Munoz, University of Minnesota

1442. Political Ecologies of Resource Extraction and Indigeneity in the Americas - Paper Session 1 (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)

- Room:** *Malibu Parlor 3058, Westin, 30th Floor* (Paper Session)
 ORGANIZER(S): Andrea Marston; Dawn Hoogveen, University of British Columbia
 CHAIR(S): Andrea Marston
12:40 Tara I Cater, Master's Candidate, Department of Geography*, Memorial University, *"We Are Here For Half Our Life: " An Ethnographic Analysis of Daily Immediate Mineral Encounters in the Kivalliq Region, Nunavut*.
1:00 Victoria Hodson*, *Landscape Transformation, Industrial Development and Indigeneity in Kitimat British Columbia*.
1:20 Jessica Budds*, University of Reading, *Mineral extraction through the hydrosocial cycle: producing and reproducing water and indigenous people in the southern Peruvian Andes*.
1:40 Cathy Wheaton, MNGD*, International Centre for Northern Governance and Development, University of Saskatchewan, *Three Northerners Perspectives on Aboriginal Harvesting, Aboriginal Political Engagement and Resource Development in Northern Saskatchewan*.
2:00 Simon Batterbury*, University of Melbourne; Matthias Kowasch, IRD, Noumea, *New developments in the political ecology of mining in the Pacific: indigenous participation and scalar conflicts in New Caledonia*.

1443. Identity in Place (Sponsored by Landscape Specialty Group)

- Room:** *Malibu Parlor 3078, Westin, 30th Floor* (Paper Session)
 ORGANIZER(S): Michelle Metro-Roland, Western Michigan University; James Hayes, California State University Northridge
 CHAIR(S): Wardlow Friesen, University of Auckland
12:40 Ali Nehme Hamdan*, University of California, Los Angeles (UCLA), *Where's the State? Memory, Identity & Power in the Lebanese Capital*.
1:00 Anna Livia Brand, PhD*, University of New Orleans, *Rooted in Place: The Geography of Memory and Survival in Historic Black New Orleans*.
1:20 Wardlow Friesen*, University of Auckland, *Theorising and naming 'ethnic presence'*.

1444. Emerging Scholars in Ethnic Geography (Sponsored by Ethnic Geography Specialty Group)

- Room:** *Malibu Parlor 3118, Westin, 31st Floor* (Paper Session)
 ORGANIZER(S): Ana I. Sanchez-Rivera, Binghamton University
 CHAIR(S): Ana I. Sanchez-Rivera, Binghamton University
12:40 Ruth Bowling*, University of Tennessee, Knoxville, *Performing Identity: Ralph Lemon's Exploration of Geography*.
1:00 Paul Sung-Pyo Park*, Binghamton University, *The Comparison of White and Minorities in Shrinking*

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- 1:20** Sarah Lake*, University of Colorado, Boulder, *Food Desert or Food Apartheid? Framing and Ideals of Whiteness in Food Desert Solutions.*

- 1:40** Jennifer Hinojosa*, University of Maryland, College Park; Jennifer Hinojosa, University of Maryland, College Park, *The Redistribution of Puerto Ricans in New York State: Contemporary Analysis of their Settlement Patterns and Socioeconomic Status, 2010.*

- 2:00** Ana I. Sanchez-Rivera*, Binghamton University, *The Influence of Location in Shaping the Perception of Race and Ethnicity in Puerto Rico.*

1446. Biogeography of Climate Change (Sponsored by Climate Change, Variability, Adaptation and Justice)

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Tim Krantz, University of Redlands

- 12:40** Rachel Isaacs*, Pennsylvania State University, *An assessment of climate change and local site controls on spatial patterns of forest expansion and tree growth at treeline in Denali NPS, AK.*

- 1:00** Kirsten Dales*, Royal Roads University, *Steppe-ing up Climate Change Adaptation: investigating germination, post germination trait adaptation and the geographic range of sea buckthorn (*Hippophae rhamnoides*) for ecological restoration in Mongolia.*

- 1:20** Tim Krantz, Ph.D.*, University of Redlands; Sean Stanton, M.S. Candidate, Duke University, North Carolina, *Changing Shorelines Threaten Ground-nesting Birds on Tetiaroa Atoll, Society Islands, French Polynesia.*

- 1:40** Heng Yang*, Heyin Chen; Susanna Tong; Jeff Yang; Yuan Li, *Assessment of the hydrologic effects of climate and vegetation changes in an arid watershed: A case study of the Lower Virgin Basin in southwestern USA.*

1447. Location Analysis and Modeling III (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Changjoo Kim, University of Cincinnati

CHAIR(S): Changjoo Kim, University of Cincinnati

Introducer: Changjoo Kim

- 12:40** Yichun Xie*, Eastern Michigan University, *Measuring the dragging effect of natural resources on economic growth: evidence from a space-time panel modeling in China.*

- 1:00** Kabita Ghimire*, Kansas State University; Douglas G Goodin, Kansas State University, *Spatial Hierarchical Modeling for Understanding Geographic Distribution of Malaria in Nepal.*

- 1:20** Doug Goodin*, Kansas State University, *An Individual-Based SIR-type Model for Spatially Explicit Analysis of an Environment-Reservoir-Pathogen System.*

- 1:40** Eric Tate*, University of Iowa; Cristina Muñoz, University of Iowa, *A Sensitivity Analysis of the HAZUS Flood Model.*

- 2:00** Rebecca W. Loraamm*, University of South Florida; Patrick T. Vander Kelen, University of South Florida; Joni A. Downs, Ph.D., University of South Florida; James H. Anderson, University of South Florida; Thomas R. Unnasch, Ph.D., University of South Florida, *Spatial Epidemiology of Eastern Equine Encephalitis in Florida.*

1470. Mobilities, Frictions and Reterritorializations (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Weiqiang Lin, Royal Holloway, University of London; Marielle Stigum Gleiss, University of Oslo, Department of Sociology and Human Geography

CHAIR(S): Laura Zanotti, Purdue University

- 12:40** Silvia Marcu*, Consejo Superior de Investigaciones Cientificas, *Cross-Border Mobility, Sense of Europe and Strategies of Development: Experiences of Returned Moldavian Immigrants.*

- 1:00** Glenda Garelli*, CUPPA, UIC, *A Mediterranean Upheaval: Arab Uprisings Migrations and the Reconfiguration of the Mediterranean Space.*

- 1:20** Jackal Tanelorn, MA*, Florida International University, *Glass Borders: Manufacturing Mobility at the US Embassy in Mexico City.*

- 1:40** Galen B Murton*, University of Colorado, Boulder, *Himalayan Highways: Roads of Change.*

- 2:00** Laura Zanotti*, Purdue University, *Landscapes in Motion: Place and Territoriality in the Central Brazilian Amazon.*

1472. The critical geopolitics of global inequality and aid

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Mathias Albert, Universität Bielefeld

CHAIR(S): Mathias Albert, Universität Bielefeld

- 12:40** Kirsten Linnemann*, Department of Geography, Münster University; Paul Reuber, Department of Geography, Münster University, *On the Geopolitics of Need: The Production of Geopolitical Images through Aid Organizations.*

- 1:00** Anke Struever*, University of Hamburg, *Strategic Regionalizations from Gendered Representations - Confronting Development Aid with Refugee Aid Discourses on 'Africa'.*

- 1:20** Diana Griesinger*, Department of Geography, Heidelberg University, *Shaping Humanitarian Emergencies - on Geographical Imaginations of Disasters and Rationalities of Humanitarian Organisations.*

- 1:40** Mathias Albert*, Universität Bielefeld; Katja Freistein, Bielefeld University; Martin Koch, Bielefeld University, *Constructing Globality in the Development Discourse of the World Bank and UNDP.*

Discussant(s): Simon Dalby, Carleton University

1473. Frontiers in Population Geography (Sponsored by Population Specialty Group)

Room: Corinthian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Lee Hachadoorian, Dartmouth College

CHAIR(S): William Warren Munroe

- 12:40** Abigail Cooke*, University of California, Los Angeles (UCLA), *Using non-public Census Bureau microdata in the Census Research Data Centers.*

- 1:00** Scott Drinkall, MA, Legislative Analyst, House of Representatives, State of Hawaii; Ira Martin Sheskin, PhD*, University of Miami, *Geographic Variations in the Cell Phone-Only Population.*

- 1:20** Joshua Comenetz*, U.S. Census Bureau, *High-resolution global population mapping at the U.S. Census Bureau.*

- 1:40** Scott Baum*, Griffith University, *Communities of opportunity and vulnerability revisited: Australia cities at the 2011 census.*

- 2:00** William Warren Munroe*, *Population Estimation and Projection Methods.*

1474. Continental-oceanic dichotomy in international and regional development (Sponsored by Economic Geography Specialty Group)

Room: Corsican, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Leonid Bezrukov, Institute of Geography SB RAS; Vera Kuklina, Institute of Geography SB RAS

CHAIR(S): Vera Kuklina, Institute of Geography SB RAS

- 12:40** Leonid Bezrukov*, Institute of Geography SB RAS, *The world economy in the context of continental-oceanic dichotomy.*

- 1:00** Jean-François Ruault*, LVMT, *When metropolitan*

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consumption reshuffles the economic opportunities in the Paris Metropolitan Area.

1:20 Anastasia Lomakina*, Institute of Geography Russian Academy of Sciences, *Transport-geographic continentality of Canada: from sea to sea.*

1:40 Luis F Alvarez-Leon*, University of California, Los Angeles (UCLA), *The Territorial Dimension of the Internet.*

2:00 Vera Kuklina*, Institute of Geography SB RAS, *Mobility in North of Baikal region.*

1475. The community as laboratory; the classroom as workshop

Room: Florentine, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Jennifer Mapes, SUNY Plattsburgh; Gina Bloodworth, Salisbury University

CHAIR(S): Jennifer Mapes, SUNY Plattsburgh

Introducer: Jennifer Mapes

12:45 Gina Bloodworth*, Salisbury University, *Bicycle Activists Gain Access to City Government: Using Geography in Civic Engagement.*

1:05 Andrew Scholl*, Wittenberg University, *Getting your Feet Wet: Stormwater Mitigation and the Classroom.*

1:25 Steve Smith*, Missouri Southern State University, *Service and the Limits to Community: scaling the community.*

1:45 Jennifer Mapes*, Kent State, *Documenting and preserving cultural landscapes in an Adirondack mining town using Google Earth.*

Discussant(s): Gina Bloodworth, Salisbury University

1476. The Subconference

Room: Grecian, Biltmore, Mezzanine Level (Panel Session)

ORGANIZER(S): Christian Anderson, University of Washington at Bothell

CHAIR(S): Christian Anderson, University of Washington at Bothell

Panelists: Clark Akatiff, City of Palo Alto; Alida Cantor, Clark University; Anna Feigenbaum; Anja Kanngieser, RMIT University Melbourne; Orlando R Serrano, University of Southern California

1477. Land Systems Science Symposium: Mapping Global Agricultural History - understanding the Past for modeling the Future (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Heinsbergen, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Richard Aspinall; William E. Doolittle, University of Texas

CHAIR(S): Mats Widgren, Stockholm University

12:40 William E. Doolittle*, University of Texas, *A Thousand Years of Farming North America.*

1:00 William I. Woods*, University of Kansas, *Agriculture on the hollow continent AD 1000-1800.*

1:20 Mats Widgren, Professor*, Stockholm University, *Mapping pre-colonial African agricultural systems.*

1:40 Janken Myrdal*, Swedish University of Agricultural Sciences, *Agricultural systems of Eurasia AD 1000, 1500, 1800.*

2:00 Ulf Jonsson*, Stockholm University, *"The Great Leap Forward" 1800-2000. Commercial Flows and Changing Patterns of Land Use.*

1478. Consumption, affect, politics

Room: Mediterranean, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Jacob Miller, University of Arizona; Robert Anderson, University of Kansas Department of Geography

CHAIR(S): Jacob Miller, University of Arizona

12:40 Kate Cairns, PhD*, University of Toronto; Josée Johnston, PhD, University of Toronto, *Cruising the Aisles: The Gendered and Classed Pleasures of Food Shopping.*

1:00 Elyse R Stanes*, University of Wollongong, *"Oh, is the video on?": video methodologies, affect and shopping.*

1:20 Kevin Huselid*, Carlson School of Management, *Affect, food and digital marketing.*

1:40 Stacy Warren*, Eastern Washington University; Brett Lucas, City of Cheney, *The 60 Mile Circle of Postmodern Fun: Theme Parks and the Fragmentation of Los Angeles.*

1479. Ludic Geopolitics

Room: Moroccan, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Tara Woodyer, University of Exeter; Jason Dittmer, University College London

CHAIR(S): Tara Woodyer, University of Exeter

12:40 Samuel Rufat*, University of Cergy Pontoise, Paris, France, *Playing Video Games, Producing Space?.*

1:00 Daniel Bos*, Newcastle University, *Capturing the 'Feel of Battle': embodied states of play.*

1:20 Sylvain Munger*, University of Ottawa, *Danzer zone: Digital city and the re-spatialization of geopolitics..*

1:40 Joanne P Sharp*, University of Glasgow; Ian Shaw, University of Glasgow, *Social Irrealism, Aesthetics and the Political Possibilities of Video Games.*

Discussant(s): Jason Dittmer, University College London; Tara Woodyer, University of Exeter

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1501. CyberGIS Symposium: CyberGIS Applications (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Beaudry A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Budhendra Bhaduri, Oak Ridge National Laboratory

CHAIR(S): Michael Finn, United States Geological Survey

2:40 Hao Hu*, University of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign; Tao Lin, University of Illinois at Urbana-Champaign, *Assessing Uncertainties in CyberGIS-Based Spatial Decision Making: A Spatial Optimization Case Study*.

3:00 Jing Deng*, China University of Geosciences, Beijing; Wenwu Tang, UNCC; Ross Meentemeyer, UNCC; Xinqi Zheng, CUGB, *Automatic Calibration of a Multi-level Land Change Model: A Combined Evolutionary Optimization and High-performance Computing Approach*.

3:20 Chandra Giri*, United States Geological Survey; Chandra Giri, USGS, *Next Generation of Global Land Cover Characterization, Mapping, and Monitoring: Challenges and Opportunities*.

3:40 Devin Alan White*, Oak Ridge National Laboratory; Peter J Doucette, National Geospatial-Intelligence Agency; Cheng Liu, Oak Ridge National Laboratory; Michael J Lenihan, National Geospatial-Intelligence Agency, *Routing with Confidence: Efficiently Enhancing Dijkstra's Algorithm to Take Advantage of Rigorous Uncertainty Propagation Techniques*.

Discussant(s): Budhendra Bhaduri, Oak Ridge National Laboratory

1502. Geography, GIScience, and Anthropogenic Hazards (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Beaudry B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Konstantin Greger

CHAIR(S): Konstantin Greger

2:40 Yanqing Xu*, Louisiana State University; Fahui Wang, Louisiana State University, *Spatial Heterogeneity between Built Environment and Obesity*.

3:00 Dongkwan Lee*, The Ohio State University; Jean-Michel Guldmann, The Ohio State University; Burkhard Von Rabenau, The Ohio State University, *Impacts of Urban Environmental Factor on Traffic Crashes*.

3:20 Joshua Regan*, Western Connecticut State University, *Geographic Barriers as Means of Reducing Crime*.

3:40 Konstantin Greger*, University of Tsukuba, *Spatial Methodologies for the Analysis of Vulnerability in Urban Areas - A Case Study for Terrorism in Tokyo, Japan*.

Discussant(s): Konstantin Greger

1503. Critical Rural Geographies of Agrarian Change and Rural Restructuring 2 (Sponsored by Rural Geography Specialty Group, Socialist and Critical Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: La Brea, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Renata Blumberg, University of Minnesota; Jack Norton, Rutgers University

CHAIR(S): Sejuti Dasgupta, SOAS

2:40 Taneesha Devi Mohan, 3rd Yr. PhD Student*, London School of Economics and Political Science, *Interlocking Transactions and the Politics of Women's Unfreedom: Rural Female Labour Relations under Agrarian Capitalism..*

3:00 Ishita Mehrotra*, School of Oriental and African Studies (SOAS), University of London, *Caste, Class and Gendered Analysis of Occupational Patterns and Relations of 'Classes of Labour': A Case Study of Eastern Uttar Pradesh, India*.

3:20 Chia Sui Hsu*, *Selling the Countryside? Farmhouse for the Better-Off in Taiwan*.

3:40 Karen Ross*, University of Western Ontario, *Belize's Banana Boom and the Problem of Labour*.

Discussant(s): Altha Cravey, University of North Carolina; Heidi Hausermann, Rutgers University

1504. Biogeography

Room: La Cienega, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Don Jonsson, Austin Community College-Northridge Campus

2:40 Margaret E McCain, B.A., M.A. candidate*, University of Hawaii at Manoa, *Modelling the distribution of Santalum Freycinetianum*.

3:00 Thomas W. Gillespie, PhD*, University of California, Los Angeles (UCLA), *Scaling Species richness and endemism of tropical dry forests on oceanic islands*.

3:20 Matthew Melancon*, Texas State University, *Assessment of Tamarisk Intrusion and Landscape Change Utilizing Multitemporal Repeat Photography: Big Bend National Park, Texas*.

3:40 Don Jonsson*, Austin Community College, Austin, Texas, USA; Kesslyn Jonsson, Burnet High School, Burnet, Texas, USA, *The Biogeographic Impact of Climatic Extremes in the Chisos Mountains of Big Bend National Park, Texas*.

1505. Law and Geography Roundtable 1: Possibilities for an AAG Specialty Group in Law and Geography

Room: Los Cerritos, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Hari Osofsky

CHAIR(S): Melinda Harm Benson, University of New Mexico

Discussant(s): Carl Bauer, University of Arizona

Panelists: Hari Osofsky; John Carr, University of New Mexico; Michael Smith, University of British Columbia

1506. Geographies of Entrepreneurship in Developed and Developing Economies II (Sponsored by Economic Geography Specialty Group)

Room: Los Feliz, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Benjamin Spigel, University of Toronto;

Elizabeth Mack, Arizona State University

CHAIR(S): Elizabeth Mack, Arizona State University

2:40 Jens Kaae Fisker*, Aalborg University, *The Role of Alternative Forms of Entrepreneurship in Deindustrialised Small Cities: Community Entrepreneurs in Frederikshavn, Denmark*.

3:00 Richard T Harrison*, Queen's University Management School, *Regions, Networks and Finance in Adversity: The Changing Nature of Business Angel Investing*.

3:20 MinKyung Koh*, Ohio State University; Ed J. Malecki, Ohio State University, *The making of a transnational place: exploring the meaning of place in transnationalism*.

3:40 Felicity Wray*, University of Western Sydney, *Venture capital, entrepreneurship and the regions: Post-crisis*.

4:00 Kate L Maxwell*, Kauffman Foundation; Samuel Arbesman, PhD, Kauffman Foundation, *Founder Mobility: Analyzing movements of Inc. 500 founders across regions and metropolitan areas*.

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- 1507. Making alternative food systems work III: Knowing and growing food: science, policy, and alternative discourses (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: *Palos Verdes, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Ryan E. Galt, University of California, Davis; Liz Carlisle, UC Berkeley
 CHAIR(S): Liz Carlisle, UC Berkeley
2:40 Maywa Montenegro*, ESPM, UC Berkeley, *Landscapes as a new paradigm for science & policy for sustainable agriculture: politics of definition and plasticity of meaning.*
3:00 Alastair Iles*, UC Berkeley, *Consuming Fields, Not Science: Escaping Conventional Food Common Senses.*
3:20 E. Melanie DuPuis, Professor*, UC Santa Cruz, *Alternative Agriculture and The Politics of Knowledge.*
3:40 Ashley Lukens, PhD Candidate*, University of Hawaii at Manoa, *Science and Food in the 'Field'.*
4:00 Jennifer Blesh*, Cornell University; Hannah Wittman, The University of British Columbia, *Land Reform as a Socioecological System: Assessing Food Sovereignty and Resilience in Mato Grosso, Brazil.*

- 1508. Articulating Value in Urban Green Space**
Room: *San Bernardino, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Jane Battersby, University of Cape Town; Henrik Ernstson, African Centre for Cities, University of Cape Town
 CHAIR(S): Jane Battersby, University of Cape Town
2:40 Alice Oldfield*, University of St Andrews, *Recollection, Nostalgia and the Value of a Community Park: A Comparative Case Study from Leeds, England.*
3:00 Matthew Bissen*, The Graduate Center - (CUNY), *The Bronx River - a Social Watershed: A study into the community efforts to re-imagine and transform the Bronx River.*
3:20 Olivier NINOT*, CNRS -UMR8586; Myriam Houssay-Holzschuch, Pr, University Joseph Fourier, Grenoble; Emma Thébaud, student, University Paris 1 Panthéon-Sorbonne, *Watch this space: peeking at potential cities through holes in the urban fabric. The case of Cape Town.*
3:40 Meredith Whitten*, London School of Economics and Political Science, *Institutional Influences on Urban Green Space: A Case Study From One London Borough.*
4:00 Jane Battersby, Dr*, University of Cape Town, *Mapping and counter-mapping: Asserting values in the Philippi Horticultural Area, Cape Town, South Africa.*

- 1509. Africa III - Climate Adaptation and Land Use (Sponsored by Africa Specialty Group, Climate Change, Variability, Adaptation and Justice)**
Room: *San Fernando, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
 CHAIR(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
 Introducer: Iddrisu Adam
2:45 Giuseppe Molinaro*, University of Maryland, Department of Geographical Sciences; Alice Altstatt, University of Maryland; Matt Hansen, University of Maryland; Peter Potapov, University of Maryland; Svetlana Turbanova, University of Maryland, *USAID's Central Africa Regional Program for the Environment efforts in forest cover monitoring and investigating land cover and land use dynamics in the Congo Basin..*
3:05 Tatek Abebe*, Norwegian Centre for Child Research, *Youth Transitions in the Context of Rural Livelihood and*

Ecological Transformation in Ethiopia.

- 3:25** Chandler Griffith*, University of Colorado, Boulder, *Colonial Margins: An Analysis of Ethiopian Exceptionalism.*
3:45 Iddrisu Adam*, University of Wisconsin - Marshfield Campus, *Navigating Ethnicity, Politics and Political Space in Nanung, Ghana.*

- 1510. Global Urbanization and Local Politics in an Age of Austerity IV: Austerity Localism (Sponsored by Global Urbanization, Urban Geography Specialty Group)**
Room: *San Gabriel A, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Deborah G Martin, Clark University; Katherine Hankins, Georgia State University
 CHAIR(S): Joe Painter, University of Durham
2:40 Susan E. Clarke*, University of Colorado, *"Small is the New Big": Neighborhood Policy Trajectories in Denver, Colorado.*
3:00 Ugo Rossi*, University of Turin, Italy, *Late neoliberalism and the politics of austerity and growth in crisis-ridden cities across Europe.*
3:20 Laura Colini, PhD*, IRS Leibniz-Institute for Regional Development and Structural Planning, *Localism shift and European urban policies.*
3:40 Bae-Gyoon Park*, Seoul National University, *Territorialized Place-making, Growth-oriented Local Politics and Developmental Neoliberalism in South Korea.*
 Discussant(s): Gordon MacLeod, University of Durham

- 1511. Contesting and Constructing Spaces of Mobility and Transport IV (Sponsored by Urban Geography Specialty Group, Energy and Environment Specialty Group, Transportation Geography Specialty Group)**
Room: *San Gabriel B, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois; Donald Anderson
 CHAIR(S): Jenni Kuoppa, Aalto University
2:40 Gregg Culver*, University of Wisconsin-Milwaukee, Department of Geography, *Level of Service and the politics of reconstructing Milwaukee's Hoan Bridge.*
3:00 Phillip Gordon Mackintosh*, Brock University, *The Sidewalk and the Road: Children, Automobiles, and the Globe's Just Kids Safety Club, 1920-1930.*
3:20 Damon Scott, Ph.d.*, Miami University, *The Motorman Mayor and the Parade of Transit Progress in the Development of the San Francisco Municipal Railway.*
3:40 Jenni Kuoppa*, Aalto University, *The Promises of Walking in Everyday Life.*

- 1512. Paleorecords of our Changing Earth I: Climate History and Human-Environment Interaction in the Old and New World Tropics (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: *San Gabriel C, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Michelle Goman, Sonoma State University; Sally Horn, University of Tennessee
 CHAIR(S): Catherine Yansa, Michigan State University
2:40 Lixin Wang*, University of Georgia; George A Brook, University of Georgia, *Holocene climate changes in northwest Madagascar: evidence from a two-meter-long stalagmite from the Anjohibe Cave.*
3:00 Tripti Bhattacharya*, University of California, Berkeley; Roger Byrne, University of California, Berkeley; Kurt Wogau, Universidad Nacional Autónoma de México (U.N.A.M.); Harald Boehnel, PhD, Universidad Nacional Autónoma de México (U.N.A.M.), *A multi-proxy reconstruction of mid to late Holocene paleoenvironmental change in Mexico's Trans-Mexican Volcanic Belt.*
3:20 Michelle Goman*, Sonoma State University; Arthur A

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Joyce, University of Colorado, Boulder; Guy D. Hepp, University of Colorado, Boulder; Nicholas Darst, Sonoma State University; Jeremy Sullivan, Sonoma State University, *Reconstructing landuse history in the coastal zone east of the Rio Verde Valley, Oaxaca, Mexico.*

3:40 Sally P. Horn*, University of Tennessee; Kenneth H. Orvis, University of Tennessee; Kurt A. Haberyan, Northwest Missouri State University; Chad S. Lane, University of North Carolina-Wilmington, *An 18,200 Year Record of Climate and Environment from a Glacial Lake in Costa Rica.*

4:00 Chad S. Lane*, University of North Carolina - Wilmington; Sally P. Horn, University of Tennessee; Matthew Kerr, University of Tennessee; Kenneth H. Orvis, University of Tennessee, *Compound-Specific Hydrogen Isotope Evidence of Late-Quaternary Paleohydrology in the Highlands of Costa Rica.*

1513. Navigating an Academic Career: Opportunities and Challenges for Geographers (Sponsored by Stand-Alone Geographers Affinity Group, Graduate Student Affinity Group, Community College Affinity Group, Geography Faculty Development Alliance (GFDA), Enhancing Departments and Graduate Education project (EDGE))

Room: San Pedro, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Joy K. Adams, Association of American Geographers

CHAIR(S): Rachel S. Franklin, Brown University

Introducer: Joy K. Adams

Discussant(s): Rachel S. Franklin, Brown University

Panelists: David Shively, University of Montana; Katrinka Somdahl-Sands, Rowan University; Kerry Lyste, Everett Community College; Eric Fournier, Samford University; Patrick L. Shabram, Front Range Community College

1517. Geographic Information Science & Technology Materials and Methods for Improving Spatial Thinking Abilities (Sponsored by Geography Education Specialty Group)

Room: Santa Barbara A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Michael N. Solem, Association of American Geographers; Yasushi Asami, The University of Tokyo
CHAIR(S): Michael N. Solem, Association of American Geographers

2:40 Joseph J. Kerski, Ph.D.*, Esri, *Designing and Implementing an Online Spatial Thinking and Analysis Course for Educators.*

2:55 Morishige Ota*, Kokusai Kogyo Co., *Educational Tool Development for the Introduction to Geospatial Information Technology.*

3:10 Niem Tu Huynh, Ph.D.*, Association of American Geographers; Nandhini Rangarajan, Ph.D.*, Texas State University-San Marcos, *The Effect(s) of Geospatial Support Tools on Public Administration Education & Practice.*

3:25 Minori Yuda*, University of Tokyo, *Workshop for developing spatial thinking for high school students.*

3:40 Katsuhiko Oda*, University of Southern California, *Implementing Spatial Thinking Training in GIS Course.*
Discussant(s): Diana Sinton, University of Redlands

1518. Using Socioeconomic Scenarios in Climate Change Impacts, Adaptation and Vulnerability Science (Sponsored by Climate Change, Variability, Adaptation and Justice)

Room: Santa Barbara B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Benjamin L. Preston, Oak Ridge Climate Change Science Institute; Matthias Garschagen, United Nations University, Institute for Environment and Human Security

CHAIR(S): Benjamin L. Preston, Oak Ridge Climate Change

Science Institute

Introducer: Benjamin L. Preston

2:50 Joern Birkmann*, United Nations University, *Scenarios for Vulnerability and Risk.*

3:08 Syeda M. Absar*, Oak Ridge National Laboratory, *Development of Nested Socioeconomic Storylines for Regional Impacts, Adaptation, and Vulnerability Studies.*

3:26 Thomas Wilbanks*, Oak Ridge National Laboratory, *The Challenges of Developing Long-term Scenarios of Institutional and Technological Change.*

3:44 Deng Ding*, Department of Geography, University of Iowa; David Bennett, Department of Geography, University of Iowa; Silvia Secchi, Department of Agribusiness Economics, *Impacts of commodity and biofuel crop market scenarios on agricultural land use and water quality.*

1519. Contention, Control, and Political Innovations in Cities 2 (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Santa Barbara C, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Walter Nicholls, Sociology, University of Amsterdam; Justus Uitermark, Department of Sociology

CHAIR(S): Walter Nicholls, Sociology, University of Amsterdam

2:40 Laura Pulido*, University of Southern California, *Regional Political Cultures: Systems of Domination and Regional Racial Formations.*

3:00 Fairbanks II Robert*, University of Chicago, *Prisoner re-entry and the urban policy crisis of mass incarceration: Political Innovation and Development in Chicago.*

3:20 Christian Scholl, Dr.*, University of Louvain, *Intra- or Inter-City Innovation of Repression? How to Control Transnational Protest.*

3:40 Nicolas Van Puymbroeck*, University of Antwerp, *Registers of Control and the (In)Visibility of Migrants: Questioning the Spatial and Discursive State Strategies of Two Flemish Cities.*

4:00 Susan L. Jakubowski*, University of Cincinnati, *Beyond the Headlines: Redeveloping Washington Park.*

1520. Progress in Physical Geography Session: Missing Links (Sponsored by Climate Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group)

Room: Sacramento, Westin, Level 2 (Paper Session)

ORGANIZER(S): George P. Malanson, University of Iowa

CHAIR(S): David R. Butler, Texas State University - San Marcos

Introducer: David R. Butler

3:00 George P. Malanson*, University of Iowa, *Missing Links.*

Discussant(s): Lynn Resler, Virginia Polytechnic Institute & State University; Louis Scuderi, University of New Mexico; Timothy A. Warner, West Virginia University; Cort Willmott, University of Delaware; Linda O. Mearns, National Center for Atmos. Research; Katrina A. Moser, University of Western Ontario

1521. Finance, Debt and the Realization of Value in the Social Factory II

Room: San Diego, Westin, Level 2 (Paper Session)

ORGANIZER(S): Mark Kear, Simon Fraser University; Lana Swartz, USC

CHAIR(S): Lana Swartz, USC

2:40 Bill Maurer*, University of California, Irvine, *Data mining for development: Poverty, payment, platform.*

3:00 Paul Langley, Dr*, University of Durham, *Central Banks, Financial Crises and Biocapitalism.*

3:20 Philip Ashton*, University of Illinois-Chicago, *The Mortgage Settlement and the Regulation of Becoming-Rent.*

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- 3:40** Shaun French*, University of Nottingham, *Capitalising life and longevity*.
Discussant(s): Mark Kear, Simon Fraser University
- 1522. Conservation Governance II: Privatization and New Governance Regimes (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: San Francisco, Westin, Level 2 (Panel Session)
ORGANIZER(S): Kelly Kay, Clark University; Eric Nost, University of Kentucky
CHAIR(S): Eric Nost, University of Kentucky
Discussant(s): Ken MacDonald, University of Toronto
Panelists: Bram Büscher, Institute of Social Studies; Rod Neumann, Florida International University; Hekia Bodwitch, UC Berkeley; Kelly Kay, Clark University
- 1523. Relational Geographies of Global Change: Financial Geographies of Emerging Markets (Sponsored by Economic Geography Specialty Group)**
Room: San Jose, Westin, Level 2 (Paper Session)
ORGANIZER(S): Tim Heinemann, HafenCity University Hamburg; David Bassens
CHAIR(S): Tim Heinemann, HafenCity University Hamburg
2:40 Robert Musil*, *The Return of Historic Investment Patterns: Path Dependency and Vulnerability of Viennese Banks in the CEEC*.
3:00 Karen P.Y. Lai*, National University of Singapore, *'Losing money just sitting on cash': the financialisation of financial advisors and investors in Singapore*.
3:20 Xiaoyang Wang*, University of Oxford, *Pathways to international financial centre formation with Chinese characteristics*.
3:40 Karenjit Clare*, University of Oxford, *Time to Bank on Women: Work, Women and White Collar Identities in India*.
Discussant(s): Andrew Jones, City University London
- 1524. Tourism Geography and Evolutionary Research II (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: Avalon, Westin, Level 3 (Paper Session)
ORGANIZER(S): Patrick Brouder; Salvador Anton Clave, Rovira i Virgili University
CHAIR(S): Patrick Brouder
2:40 Dimitri Ioannides*, Missouri State University; Sandra Wall Reinus, Mid-Sweden University; Kristina Zampoukos, Mid-Sweden University, *Tourism and the Neoliberal Agenda: Destabilizing the Equity Dimension on Sustainability*.
3:00 Salvador Anton Clave, Professor*, Rovira i Virgili University; Julie Wilson, Doctor, Rovira i Virgili University, *An Evolutionary Approach to Coastal Resort Transformation*.
3:20 Alison M Gill*, Simon Fraser University, *The role of human agency and entrepreneurship in path creation: the case of Whistler, BC and the Winter Olympics*.
3:40 Henrik Halkier, Professor*, Aalborg University; Anette Therkelsen, PhD, Aalborg University, *Breaking out of Destination Path Dependency? Exploring the Case of Coastal Tourism in North Jutland, Denmark*.
Discussant(s): Rikard Eriksson, Umea University
- 1525. Whiteness and Race: Rethinking the Boundaries II-Theorizing Whiteness (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)**
Room: Emerald Bay, Westin, Level 3 (Paper Session)
ORGANIZER(S): Fletcher Chmara-Huff, The Ohio State University; Brittany Davis, University of Arizona
CHAIR(S): Fletcher Chmara-Huff, The Ohio State University
2:40 Komal K Dhillon, MBA, PhD Candidate*, Virginia Tech, *Darker Women Get Screwed: Why Postcolonial Theory Alone Cannot Address Pigmentocracy*.
3:00 Christian Matheis*, Virginia Tech University, *The Legend of the White-ness Monster: Getting 'the west' beyond 'whiteness'*.
3:20 Silke Greth*, University of Hamburg, Department of Geography, *Unmasking Whiteness in a post-colonial German context*.
3:40 Ellen R. Hansen, Ph.D.*, Emporia State University, *Teaching and Learning about White Privilege*.
4:00 Annemarie Galeucia*, Louisiana State University, *Insiders and Outsiders to the American Dream: Whiteness, Class and the American Cultural Landscape*.
- 1526. Annual CAPE Plenary Lecture, by Judith Carney (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: Hollywood Ballroom, Westin, Level 3 (Panel Session)
ORGANIZER(S): Gregory Simon, University of Colorado Denver
CHAIR(S): Gregory Simon, University of Colorado Denver
Discussant(s): Judith Carney, University of California, Los Angeles (UCLA)
- 1527. Planetary Urbanization in Comparative Perspective 3 (Sponsored by Global Urbanization, Urban Geography Specialty Group)**
Room: Santa Monica A, Westin, Level 3 (Paper Session)
ORGANIZER(S): Ozan Karaman, ETH Singapore; Christian Schmid, ETH Zurich
CHAIR(S): Michael Goldman
2:40 Stephan Lanz*, Eurpa Universität Viadrina, *Global Prayers - Redemption and Liberation in the City: A comparative urban research project*.
3:00 Monika Streule*, ETH Zurich; Lindsay Sawyer, ETH Zurich, *Popular Urbanization - A Comparative Concept for Analysis of Contemporary Urbanization Processes*.
3:20 Pascal E Kallenberger*, ETHZ; Ozan Karaman, Dr, FCL (Future City Laboratory), *Consolidation of Popular Urbanisation in Kolkata and Istanbul. A Comparative Approach*.
3:40 Stefan Kipfer*, York University, *The fractures of planetary urbanization: insights from the literary world*.
Discussant(s): James D. Sidaway, National University of Singapore
- 1528. Methodologies in Social Memory and/or Heritage Tourism Research I (Sponsored by Study of the American South Specialty Group, Recreation, Tourism, and Sport Specialty Group)**
Room: Santa Monica B, Westin, Level 3 (Paper Session)
ORGANIZER(S): David Butler, University of Southern Mississippi; E Arnold Modlin Jr
CHAIR(S): Derek H Alderman, University of Tennessee
2:40 Ronald Schumann*, University of South Carolina, *Making the Memory: Historic Landscapes as Cooperative Animation*.
3:00 E Arnold Modlin Jr*, Norfolk State University, *Meat Market or Slave Market? An Analysis of the Framing of a Key Tourism Site in Postcards from St. Augustine, FL*.
3:20 David Butler*, University of Southern Mississippi, *Webwashing the Tourist Plantation: Using historic websites to view changes in representation of slavery at tourism plantations*.
3:40 Stephen P Hanna*, University of Mary Washington; E. Fariss Hodder, University of Mary Washington, *Reading the Heritage Landscape using a Public History GIS*.
4:00 Stefanie Benjamin*, University of South Carolina, *Is this how you pictured it? Perceived values of heritage sites through the lens of a camera*.

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- 1529. Geography and Mobile Phone Data: is there a privacy caveat? (Sponsored by Spatial Analysis and Modeling Specialty Group, Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)**
Room: Santa Monica C, Westin, Level 3 (Panel Session)
ORGANIZER(S): Rein Ahas, Department of Geography, University of Tartu
CHAIR(S): Rein Ahas, Department of Geography, University of Tartu
Panelists: Erki Saluveer, University of Tartu; Mike Batty, UCL CASA
- 1530. Geopolitics of Mobility and Immobility 2: Control, Security, Police (Sponsored by Political Geography Specialty Group)**
Room: Santa Monica D, Westin, Level 3 (Paper Session)
ORGANIZER(S): Michael Collyer, University of Sussex; Deirdre Conlon, Saint Peter's University
CHAIR(S): Deirdre Conlon, Saint Peter's University
2:40 Mathew Coleman*, Department of Geography, The Ohio State University, *Police state: the limits of critical immigration law scholarship on racial profiling.*
3:00 Patricia Ehrkamp*, University of Kentucky; Caroline Nagel, University of South Carolina, *Laying low: Undocumented immigrants, Christian faith communities, and the liminal spaces of belonging.*
3:20 Carrie Y. Mott, PhD Candidate*, University of Kentucky, *Indigenous Solidarity Activism on the US/Mexico Border: Challenging militarization on Tohono O'odham Lands.*
3:40 Nir Cohen, Dr.*, Bar Ilan University, *(Im)-mobility and Territorial 'Othering': Israeli state policy towards African asylum seekers.*
4:00 Alessandro Tiberio*, UC Berkeley, *Border Production and Renegotiation in North Korea: Mobility and Immobility as Conditions of Everyday Performances of Nationhood and Belonging.*
- 1534. "Eastern Feminism": Gender and Geography in Asia (Sponsored by Geographic Perspectives on Women Specialty Group, Asian Geography Specialty Group, Middle East Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)**
Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Nazgol Bagheri
CHAIR(S): Nazgol Bagheri
Introducer: Nazgol Bagheri
2:45 Remi Alapo, Ph.D*, University of Phoenix, Arizona, *Emerging Trends of Women's Leadership in Nigeria: Perspectives on National and Family Cultures.*
3:00 Ayako Matsumoto*, Agricultural Engineering and Socio-Economics, Kobe University, *Gender Equality in Japanese Agricultural Community.*
3:15 Ilona Gerbaker*, Harvard Divinity School, *Sex and the City and the "new Middle East": Problematicizing Orientalism and Consumerism in Abu Dhabi.*
3:30 Chunlan GUO*, Department of Geography and Resource Management, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong; Jianfa SHEN, Department of Geography and Resource Management, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong, *Employment for Rural Female Migrants in South China: Gender Equality/Inequality in Urban Labor Market.*
3:45 Masato Mori*, Mie University, *Ideology, feminised women body and Sexual desire in Japan: examining woman magazine Shufu-no-Tomo.*
Discussant(s): Minoo Moallem, University of California Berkeley
- 1535. Toward Social and Ecological Balance in Forested Landscape II (Sponsored by China Specialty Group, Remote Sensing Specialty Group)**
Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Conghe Song, UNC Chapel Hill; Xiaodong Chen, University of North Carolina at Chapel Hill
CHAIR(S): Conghe Song, UNC Chapel Hill
2:40 Siewe S Siewe*, Oklahoma State University, *The Drivers of change in the Korup National Park in Cameroon.*
3:00 Melanie Colavito*, University of Arizona, *Science and Collaboration in Forest Restoration.*
3:20 Tanya Hayes, Ph.D.*, Seattle University, *Behavior beyond Economics: Payment for Ecosystem Services in the context of rural decision-making and sustainable forest management in South America.*
3:40 Lindsay Deel*, West Virginia University, *Improving estimates of nutrient loads to the Chesapeake Bay through satellite imagery-based forest disturbance metrics.*
4:00 Xiaodong Chen*, University of North Carolina at Chapel Hill, *Policies and People in a Changing Landscape.*
- 1536. Science & the Production of Species II: Breeding Bodies (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**
Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Elizabeth Hennessy, University of North Carolina Chapel Hill
CHAIR(S): Elizabeth Hennessy, University of North Carolina Chapel Hill
2:40 Connie Johnston*, Clark University, *The Morphology of Farm Animal Welfare: Bodily Constraints on Environmental Enhancements.*
3:00 Ekin Yasin*, NYU, *The Avatar, The Commodity and the Media: Genomic Cancer Research at the Human/Animal Crossroads.*
3:20 Elizabeth Hennessy*, University of North Carolina Chapel Hill, *Back to Life: Genetics, Breeding, and the Re-animation of an 'Extinct' Species of Galápagos Giant Tortoise.*
3:40 Kathryn Gillespie*, University of Washington, *Making Sexual Cyborgs.*
Discussant(s): Henry Buller
- 1537. Contemporary Indigenous Issues: I**
Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Blake Hawkins, University of Northern British Columbia
CHAIR(S): Blake Hawkins, University of Northern British Columbia
Introducer: Blake Hawkins
2:42 Joshua K Tobias*, The University of Western Ontario; Chantelle Richmond, The University of Western Ontario, *"That Land Means Everything to us as Anishinabe?": Elder voices on Resistance, Recovery, and Environmental Dispossession.*
3:02 Natchee Barnd*, Oregon State University, *Reasonable Aboriginal Territory.*
3:22 Steve Rogers, MSc, CLS*, Natural Resources Canada, *Land Tenure Reform for First Nations in Canada - a buffet of options.*
3:42 Markus Chisholm*, Central Washington University, *Food Security in the Aftermath of Relocation: Community Adaptations and Resilience in Kivalina, Alaska.*
Introducer: Emilie Cameron

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- Room:* Laguna Parlor 3064, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Caiyun Zhang, Florida Atlantic University; Zhixiao Xie, Florida Atlantic Univ,
 CHAIR(S): Xiaojun Yang, Florida State University
2:40 Graham Emde*, University of Denver, *Forecasting Bangkok Floods: A Mobile Approach.*
3:00 Dolores Jane Forbes*, Florida Atlantic University, *Nonpoint Source Pollution Loads in North Biscayne Bay, Florida.*
3:20 Donna Selch*, Florida Atlantic University; Caiyun Zhang, PhD, Florida Atlantic University; Zhixiao Xie, PhD, Florida Atlantic University, *Modeling Florida Bay's Salinity Coupled to Seasonal and Long-Term Variation in Flow and Storage.*
3:40 Jennifer Corcoran*, University of Minnesota, *Mapping and Monitoring Wetland Ecosystems More Accurately by Integrating Data from Several Remotely Sensed Platforms.*
4:00 Xiaojun Yang*, Florida State University, *Relating Water Quality Indicators with Landscape Characteristics in a Coastal Watershed.*

1539. GeoHumanities and Health II (Sponsored by Health and Medical Geography Specialty Group)

- Room:* Laguna Parlor 3068, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Sarah Atkinson, Durham University; Felicity Callard, Durham University
 CHAIR(S): Sarah Atkinson, Durham University
2:40 Felicity Callard*, Durham University, *Experimenting with anxiety: the psychiatric hospital as psychopharmacological laboratory in 1950s and 1960s USA.*
3:00 Hazel Morrison, Postgraduate research student*, University of Glasgow, *Situating the patient within the Asylum, a historical geography of illness and identity..*
3:20 Skye Naslund*, University of Washington, *Producing Parasites: Geographic Imaginaries in Biomedical Science.*
3:40 Alan Latham*, University College London, *The metaphysics of physical effort in the 1970s American running boom: Chronic heart disease, running, and the revitalization of the middle aged body.*
 Discussant(s): David Conradson, University of Canterbury

1540. Natural Resource Management and Peacebuilding in Post-Conflict Settings (I) (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

- Room:* Malibu Parlor 3018, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Matthew F Pritchard, McGill University
 CHAIR(S): Matthew F Pritchard, McGill University
2:40 Kramer Y Gillin*, University of Wisconsin at Madison, *From Pasture Access to Family Law: The Evolution of the "Peace Ambassador" Program in Afghanistan.*
3:00 Arthur Green*, Okanagan College, Chair of the Dept of Geography, *Proving Ground: The Evidence Landscapes of East Timor.*
3:20 Matthew F Pritchard*, McGill University, *(Re)defining, (Re)negotiating and (Re)expressing Rights: Land use and management systems in South Sudan.*
3:40 Jon Unruh*, McGill University, *Peacebuilding Approaches to Improve Management of High Value Natural Resource Rights.*
 Introducer: Matthew F Pritchard

1541. Environmental ecosystem in urban rivers (Sponsored by Water Resources Specialty Group)

- Room:* Malibu Parlor 3038, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Jingyu Wang, Bronx Community College/CUNY, Dept of Chemistry & Chemical Technology
 CHAIR(S): Jingyu Wang, Bronx Community College/CUNY, Dept of Chemistry & Chemical Technology
2:40 David Widner*, Kent State University, *Bridging the Gap Between Traditional and Popular Culture: Developing an Environmental Education and Stream Health Monitoring Plan to Promote the Improvement of the Sugar Creek Watershed and the Preservation of Swartzentruber Amish Culture.*
3:00 Jingyu Wang*, Bronx Community College/CUNY, Dept of Chemistry & Chemical Technology, *Environmental ecosystem in the Harlem River.*
3:20 Ryan Bart*, San Diego State University / UC Santa Barbara, *Fire effects on river flow recession rates in central California watersheds.*
3:40 Melinda Shimizu*, Arizona State University, *Usability assessment of an environmental spatial decision support system case study considering nonpoint source nitrogen pollution in the Niantic River Watershed, Connecticut.*
4:00 Chantal Ivenso*, University of Cincinnati; Elly H. Best, USEPA, NRMRL; Susanna Tong, University of Cincinnati; Ishi Buffam, University of Cincinnati; Guoxiang Yang, USEPA, NRMRL, ORISE, *Integrating Strategic Environmental Assessment (SEA) and GIS to Evaluate Ecosystem Services in Sustainable Watershed Management Planning.*

1542. Political Ecologies of Resource Extraction and Indigeneity in the Americas - Paper Session 2 (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)

- Room:* Malibu Parlor 3058, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Andrea Marston; Dawn Hoogeteen, University of British Columbia
 CHAIR(S): Andrea Marston
2:40 Dawn Hoogeteen*, University of British Columbia, *Gold and Prosperity: Dispossession and Mining Laws in Canada.*
3:00 Maria Ehrnstrom*, Hanken, *Legitimacy through deliberation? Legitimacy creation through (non-) participation in Environmental Impact Assessments.*
3:20 Tee Wern Lim*, University of British Columbia; Frank Tester, PhD, University of British Columbia; Terre Satterfield, PhD, University of British Columbia, *Mining as Primitive Accumulation in the Eastern Arctic: Articulations of Capital with the Inuit Gatherer-hunter Mode of Production.*
3:40 Tom Cheney*, York University; David Bedford, University of New Brunswick, *Displacement, Resource Extraction, and Technological Rationality: Voisey's Bay and the Victor Diamond Mine.*
4:00 Anna Stanley*, National University of Ireland, Galway, *Wasted life, difference and the politics of value.*

1544. Explorations in Ethnic Geography (Sponsored by Ethnic Geography Specialty Group)

- Room:* Malibu Parlor 3118, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Heather Smith, University of North Carolina at Charlotte
 CHAIR(S): David McEvoy, Liverpool John Moores University
2:40 Neiset Bayouth*, Rutgers University, *Rethinking culture and identity through ethnic business: marketing and consumption of culture in narghile lounges..*
3:00 Kenneth French*, University of Wisconsin-Parkside, *Segregation and Quality of Life: Impacts of Segregation in Wisconsin Cities.*

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3:20 Wonseok Park*, Daegu University, *Housing Location Choice and Ownership Structure of Korean Immigrants in United State.*

3:40 David McEvoy*, Liverpool John Moores University, *Minority self-employment in the United Kingdom: temporal and spatial variation.*

1545. The Geography of Hunger and Food Availability

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Melissa J. Rura, UMNC

CHAIR(S): Melissa J. Rura, UMNC

2:40 Adam M Pine*, University of Minnesota -- Duluth; Kate Carlson, University of Minnesota - Duluth, *Food Deserts, Food Insecurity, & Food Access: Documenting the diverse provisioning strategies in an urban community.*

3:00 Brent Porterfield, M.Div.*, United Methodist Neighborhood Centers; Carol Gentry, United Methodist Neighborhood Centers of Memphis, Inc; Melissa J Rura, PhD, United Methodist Neighborhood Centers of Memphis, Inc, *Faith Based Food Pantries in Memphis Tennessee.*

3:20 Christian Man, Candidate, M.Ed., Community Development*, Vanderbilt University, *What "Food Deserts"? A Critical Analysis.*

3:40 Charles D. Yeager*, Indiana State University, *Rural Food Vulnerability: An Analysis of Grocery Closures and Risk.*

4:00 Brent W Porterfield, MDiv., UMNC; Melissa J. Rura*, UMNC, *Food Pantries: Numbers, Clients, and Volunteers in Memphis, TN.*

1546. Critical Toponymies I: Naming Rights and the Cultural Landscapes of Neoliberalism (Sponsored by Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Reuben Rose-Redwood, University of Victoria; Jani Vuolteenaho, University of Helsinki

CHAIR(S): Lawrence D. Berg, University of British Columbia

Introducer: Reuben Rose-Redwood

2:45 Jani Vuolteenaho*, University of Helsinki, *Variations in the language of neoliberal urbanism: Escapist namescapes vs. naming right deals.*

3:05 Matthias Wolny*, University of Heidelberg, *Naming rights, merchandise and corporate identity. Commodification of the urban toponymy in the city of Turin (Italy).*

3:25 Reuben Rose-Redwood*, University of Victoria, *From Lieux de Mémoire to Branded City/Space: Naming Rights as a Neoliberal Regime of Spatial Inscription.*

3:45 Maral Sotoudehnia*, University of Victoria, *"Turn Your Brand Into a Destination": Toponymic Branding and the Neoliberalization of Place in Dubai, UAE.*

Discussant(s): Eliot Tretter, University of Texas - Austin

1547. Location Analysis and Modeling IV (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Changjoo Kim, University of Cincinnati

CHAIR(S): Changjoo Kim, University of Cincinnati

Introducer: Changjoo Kim

2:40 Bumjoon Kang*, Urban Form Lab and the Department of Urban Design and Planning, University of Washington; Jason Y. Scully, Urban Form Lab and the Department of Urban Design and Planning, University of Washington; Orion Stewart, Urban Form Lab and the Department of Epidemiology, University of Washington; Phillip M. Hurvitz, Urban Form Lab and the Department of Urban Design and Planning, University of Washington; Anne V. Moudon, Urban Form Lab and the Department of Urban Design and Planning, University of Washington, *An algorithm to*

integrate sidewalk data with transportation network data in GIS.

3:00 Dylan Connor, BA, MA, MSc*, University of California, Los Angeles (UCLA), *Mortality and Space in the Early 20th Century: A Multilevel Analysis of Mothers Enumerated in Ireland's 1911 Census.*

3:20 Blake Byron Walker*, Simon Fraser University; Schuurman Nadine, Simon Fraser University, *Spatial-temporal analysis of violent injury in Vancouver, Canada.*

3:40 Jeongwoo Lee*, University of Southern California, *The Relationship between the Built Environment and Active Travel: Links between Transit Service, Accessibility, and Walking.*

4:00 Andrew Mondschein, PhD*, University of Pennsylvania School of Design, *Big City, Big Life: Activity Space Extensiveness, Socioeconomic Status, and Accessibility.*

1570. Politicizing energy consumption 1: technonatures (Sponsored by Political Geography Specialty Group, Energy and Environment Specialty Group)

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Stefan Bouzarovski, University of Manchester; Matthew Huber, Syracuse University

CHAIR(S): Conor Harrison, University of North Carolina

2:40 Gareth Powells*, Durham University; Harriet Bulkeley, Durham University; Stephen Lyon, Durham University; Sandra Bell, Durham University, *Enrolment and Exclusion - The Politics of Smart Electricity Demand Management.*

3:00 Heather Rosenfeld*, University of Wisconsin - Madison, *'Plug Into Choice'? Conflicting neoliberalisms and the spatialization of (bio)politics in the installation of and resistance to smart grid technologies.*

3:20 Gordon Walker*, Lancaster University, *Selling the Air: Energy, Conditioning and Circulations.*

3:40 Rosie Day*, University of Birmingham, *The multi-scalar politics of district heating connection in Lerwick, Shetland Islands.*

4:00 Andrew Karvonen*, University of Manchester, *The politics of heat: reconfiguring domestic energy provision in the UK.*

1571. CGSG Marquee Address: Lily Kong on Balancing Spirituality and Secularism, Globalism and Nationalism: The geographies of identity, integration and citizenship in schools (Sponsored by Geography Education Specialty Group, Cultural Geography Specialty Group)

Room: Bernard's, Biltmore, Lobby Level (Panel Session)

ORGANIZER(S): Beth Schlemper, University of Toledo

CHAIR(S): Beth Schlemper, University of Toledo

Introducer: Beth Schlemper

Panelists: Lily Kong, National University of Singapore

1572. Community-University Partnerships for Sustainability

Room: Cordoban, Biltmore, Mezzanine Level (Panel Session)

ORGANIZER(S): Laxmi Ramasubramanian, Hunter College

CHAIR(S): Laxmi Ramasubramanian, Hunter College

Introducer: William Solecki

Discussant(s): Colin Polsky, Clark University; William Solecki, Hunter College

Panelists: Laxmi Ramasubramanian, Hunter College; Stephanie Pincetl, University of California; James Evans, University of Manchester; Hilda Blanco, University of Southern California

1573. Historical Mobilities and Gender (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Historical Geography Specialty Group)

Room: Corinthian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Sarah L Evans, University of the West of

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- England; Dydia DeLyser, Louisiana State University
 CHAIR(S): Dydia DeLyser, Louisiana State University
 2:40 Sarah L Evans*, University of the West of England, *As the camel strides: women's expeditionary mobilities 1913-c.1939*.
 3:00 James Fenner*, University of Nottingham, *'British Small Craft': mobility and gender in a Science Museum display*.
 3:20 Amy Mills*, University of South Carolina, *Etiquette, Ethnicity, and Infrastructure in Early Republican Istanbul*.
 3:40 Michael J O Regan, Dr*, Dongbei University of Finance & Economics (DUFE), *'Leave the Chicks in Istanbul' - The Counter-culture: Rising in the West and setting in the East..*
 Discussant(s): Karen M Morin, Bucknell University
- 1574. Alternative Geographies of Poverty: Penn State Research in the Global South (Sponsored by Global Urbanization, Development Geographies Specialty Group, Economic Geography Specialty Group)**
 Room: *Corsican, Biltmore, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Melissa Y. Rock, Pennsylvania State University; Matt Branch, Pennsylvania State University
 CHAIR(S): Victoria Lawson, University of Washington
 Panelists: Lakshman Yapa, Pennsylvania State; Melissa Y. Rock, Pennsylvania State University; Audrey Lumley-Sapanski, Penn State University; Matt Branch, Pennsylvania State University
- 1575. Urbanization and landscape dynamics: understanding the eco-environmental impacts of land cover/land use changes**
 Room: *Florentine, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Weiqi Zhou, University of California, Davis; Jason Yang, Ball State University
 CHAIR(S): Liding Chen, Research Center For Eco-Environmental Sciences, CAS
 2:40 Liding Chen*, Research Center For Eco-Environmental Sciences, CAS, *How to design a wetland park network to meet human needs on recreation services in Beijing?*.
 3:00 Weiqi Zhou*, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences; Xiaoma Li, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences; Zhiyun Ouyang, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, *Understanding the effects of physical, socioeconomic, and neighborhood factors on urban expansion: a case study of Beijing from 1972-2010*.
 3:20 Jason Yang*, Ball State University; Baoyu Zhang, Shanxi Bureau of Surveying and Geographic Information; Qiyun Wei, Data Center of Land and Resources Bureau of Taiyuan, *Characterization of Cultivated Land Changes in Urban Growth in Shanxi Province, China Using Remote Sensing*.
 3:40 Joshua Baldwin*, University of Denver, *Landscape change in the Greater Gila Ecosystem, 1953-2011*.
 4:00 Haroon Stephen*, University of Nevada, Las Vegas, *Mapping Urban Sprawl of Las Vegas using Landsat and NAIP Imagery*.
- 1576. The Subconference**
 Room: *Grecian, Biltmore, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Christian Anderson, University of Washington at Bothell
 CHAIR(S): Christian Anderson, University of Washington at Bothell
 Introducer: Emma Gaalaas Mullaney
 Panelists: Dylan Brady, University of Oregon; Amanda Matles; Heather McLean
- 1577. Land Systems Science Symposium: Case Studies - N America I (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**
 Room: *Heinsbergen, Biltmore, Lobby Level* (Paper Session)
 ORGANIZER(S): Richard Aspinall
 CHAIR(S): Tom Evans, Indiana University
 2:40 Mark A. Drummond, PhD*, United States Geological Survey; Alisa W. Coffin, PhD, United States Geological Survey; Michael P. Stier, United States Geological Survey, *Assessing the Geographic Variability and Broad-scale Transitions of US Land Change*.
 3:00 Alisa W Coffin, PhD*, U.S. Geological Survey; Mark A Drummond, PhD, U.S. Geological Survey; Michael P Stier, U.S. Geological Survey, *Assessing Drivers of US Land Cover Trends, Connecting Land Cover with Spatial Economic Patterns*.
 3:20 SU JIN LEE*, University of Southern California; Longcore Travis, University of Southern California; John Wilson, University of Southern California, *Estimating Land Use and Land Cover Changes in Metropolitan Areas of Los Angeles County Using Object-Oriented Image Classification and GIS-Based Spatial Analysis Techniques*.
 3:40 Dawn Cassandra Parker, PhD*, University of Waterloo; Daniel G. Brown, PhD, University of Michigan; Joan Nassauer, PhD, University of Michigan; William Currie, PhD, University of Michigan; Rick Riolo, PhD, University of Michigan; Scott Page, PhD, University of Michigan; Shipeng Sun, PhD, University of Minnesota; Megan Hutchins, University of Michigan; Derek Thomas Robinson, PhD, University of Waterloo; Sarah Kiger, University of Michigan; Qingxu Huang, University of Waterloo; Tatiana Filatova, PhD, University of Twente; Robert Wyman, University of Michigan, *Modeling exurban development trajectories and terrestrial carbon sequestration in Southeastern Michigan, USA*.
 4:00 In-Young YEO*, University of Maryland, *Revisiting the forest transition theory with historical records and geospatial data: A case study from Mississippi (USA)*.
- 1578. Future Directions in Modeling Terrestrial Ecosystem**
 Room: *Mediterranean, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Sanchayeeta Adhikari, Macalester College; Risa Patarasuk
 CHAIR(S): Sanchayeeta Adhikari, Macalester College
 2:40 John All*, Western Kentucky University; Rebecca Cole, PhD, U. Colorado INSTAAR, *Differentiating climatic and anthropogenic alpine vegetation change drivers from 1972 - 2012 in the Cordillera Blanca, Peru..*
 3:00 Rajesh Bahadur Thapa, Dr.*, Japan Aerospace Exploration Agency (JAXA); Masanobu Shimada, Dr., Japan Aerospace Exploration Agency (JAXA); Manabu Watanabe, Dr., Japan Aerospace Exploration Agency (JAXA); Takeshi Motohka, Dr., Japan Aerospace Exploration Agency (JAXA); Tomohiro Shiraishi, Mr., Japan Aerospace Exploration Agency (JAXA), *Deforestation process modeling in central Sumatra*.
 3:20 Zachary Christman*, Rowan University; Charles Golden, Brandeis University; Andrew Scherer, Brown University; Birgit Schmook, El Colegio de la Frontera Sur; Hamil Pearsall, Temple University, *Land use change and hydrologic management in the distant past, recent decades, and potential future scenarios in the Usumacinta Valley, Chiapas, Mexico*.
 3:40 Solomon Belay*, Jigjiga University; Solomon Belay, Jigjiga University, *Impact of land use land cover changes for sustainable use and management of resources in Awash National Park, Ethiopia; pre- and post-1995*.

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4:00 Sanchayeeta Adhikari*, Macalester College, *Deforestation and Reforestation: A Spatial Statistical Model of Bannerghatta National Park, India.*

1579. Ageing and places: geographies of recognition and redistribution

Room: Moroccan, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Susan Lucas, Temple University; Anne-Marie Seguin, INRS Urbanisation Culture Et Société

CHAIR(S): Anne-Marie Seguin, INRS Urbanisation Culture Et Société

2:40 Susan Lucas*, Temple University, *Gazing through a new lens: Reassessing positive images of ageing through the lens of Recognition.*

3:00 Anne-Marie Séguin*, INRS Urbanisation Culture et Société, *The province of Quebec Elder-Friendly Municipalities programme: A social justice issue?.*

3:20 Sébastien LORD*, Université de Montreal; Pierre-Marie Chapon, University de Lyon 3, *The "community accessibility" for age-adapted habitats. Which territorial issues for the recognition of elders?.*

3:40 Sabine van der Gref*, University of Amsterdam; Joos Droogleeve Fortuijn, University of Amsterdam, *'Multiple Disadvantage' of Older Immigrants and Elderly 'Natives' in Deprived Neighbourhoods in Amsterdam.*

4:00 Jean-Pierre Lavoie, PhD*, McGill University; Damaris Rose, PhD, Université INRS, Centre Urbanisation Culture Société; Victoria Burns, PhD student, McGill University; Véronique Billette, PhD, Université INRS, Centre Urbanisation Culture Société, *Older People's Experiences of Neighborhoods Undergoing Change: Issues of Recognition and Redistribution.*

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ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Michael Goodchild, University of California - Santa Barbara

CHAIR(S): Michael Goodchild, University of California - Santa Barbara

Discussant(s): Daniel Sui, The Ohio State University

Panelists: Keith Clarke, University of California, Santa Barbara; Michael Gould, Esri; David DiBiase, ESRI

1602. Environmental Conservation and Sustainable Development in South Asia (Sponsored by Asian Geography Specialty Group)**Room:** *Beaudry B, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Sya Kedzior, Towson University

CHAIR(S): Jonathan C Hall, West Virginia University

4:40 Abu Nasar Abdullah*, Research Institute for the Environment and Livelihoods, Charles Darwin University; Natasha Stacey, Research Institute for the Environment and Livelihoods, Charles Darwin University; Stephen Garnett, Research Institute for the Environment and Livelihoods, Charles Darwin University; Bronwyn Myers, Research Institute for the Environment and Livelihoods, Charles Darwin University, *Economic dependence on mangrove forest resources for livelihoods: A case study from the world largest contiguous mangrove forest, the Sundarbans, Bangladesh.***5:00** Michael Adams, PhD*, University of Wollongong, *World Heritage and The Western Ghats, India.***5:20** Mohan B. Dangi, Assistant Professor*, Department of Geography, California State University, Fresno; Deanna E. Cox, Graduate Student, Department of Geography, California State University, Fresno; Upendra B. Bom, Graduate Student, Department of Geography, University of Wyoming; Shashidhar Belbase, Graduate Student, Department of Civil and Architectural Engineering, University of Wyoming; Rameshwar Kaphle, Graduate Student, Department of Civil Engineering, California State University, Fresno, *Environmental Impact Assessment in Waste Management in Nepal: Is it responsive, comprehensive, and people centric?***5:40** Brian R Cook, PhD*, The University of Melbourne, *Water and Food in Bangladesh: swinging between opposing knowledge claims and the controversy over what should be done.***6:00** Jonathan C Hall, Ph.D.*, West Virginia University, *The Positive Impact of the Bishnoi Religion on Species Abundance in Rural Rajasthan, India.***1603. Critical Rural Geographies of Agrarian Change and Rural Restructuring 3 (Sponsored by Rural Geography Specialty Group, Socialist and Critical Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)****Room:** *La Brea, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Renata Blumberg, University of Minnesota; Jack Norton, Rutgers University

CHAIR(S): Ishita Mehrotra

4:40 Rachel Slocum*, University of Wisconsin La Crosse; Teresa Gowan, University of Minnesota, *The Politics of 'Plenitude': Artisanal Production, Communal Provisioning and Anti-Capitalist Critique in the Aude, France.***5:00** Jason Strange*, UC Berkeley, *Voluntary Enclosure and the Transition to Capitalism in Appalachian Kentucky.***5:20** Dinesh Paudel*, University of Minnesota, *Prismatic Village: Peasants, Villages and a Pre-history of Nepali Maoist revolution.*

Discussant(s): Ryan E. Galt, University of California, Davis; Sharad Chari

1604. Biogeography**Room:** *La Cienega, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Victoria Elmore

4:40 Asa J Strong*, University of Iowa, *Exploring a Participatory GIS Methodology for Mapping Non-native Invasive Species in Urban Forests.***5:00** Nina Hewitt, PhD*, York University, *Spontaneous Tree Migration and the Dilemma of Assisted Colonization.***5:20** Carol Campbell*, New Mexico State University, *Avian diversity and similarity along an elevation gradient through Yosemite National Park.***5:40** Qiongyu Huang*, University of Maryland, Department of Geographical Science; Ralph Dubayah, Ph.D., University of Maryland, Department of Geographical Science; Anu Swatantran, Ph.D., University of Maryland, Department of Geographical Science; Scott Goetz, Ph.D., Woods hole research center, *New height-incorporated habitat metrics and their efficacies in the modeling of woodland avian biodiversity in the forested ecoregion in the U.S.***6:00** Victoria E Elmore*, Brown University; Timothy L Hawthorne, Ph.D., Georgia State University; Leslie A. Edwards, Ph.D., Georgia State University, *Public Participation GIS for Invasive Species Monitoring in Urban Forests.***1605. Law and Geography Roundtable 2: The Future of Law and Geography****Room:** *Los Cerritos, Westin, Lobby Level* (Panel Session)

ORGANIZER(S): Hari Osofsky

CHAIR(S): Hari Osofsky

Panelists: Melinda Harm Benson, University of New Mexico; Lisa Pruitt, University of California, Davis; Olen Paul Matthews, University of New Mexico; Lisa T. Alexander, University of Wisconsin Law School

1606. Geographies of Entrepreneurship in Developed and Developing Economies III (Sponsored by Economic Geography Specialty Group)**Room:** *Los Feliz, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Elizabeth Mack, Arizona State University

CHAIR(S): Elizabeth Mack, Arizona State University

4:40 Unna I Lassiter*, California State University Long Beach; Unna I Lassiter, PhD, California State University, Long Beach, *Social Entrepreneurship and Cultural Production: a Case Study of Sri Lanka.***5:00** Christian Hundt*, Ruhr-Universität Bochum, *Explaining New Firm Creation in Europe - A Multi-Level Analysis Based upon Data of Individuals, Regions, and Countries.***5:20** David B Audretsch, Indiana University; Maksim Belitski*, Anglia Ruskin University Cambridge, *Creativity Spillover Theory of Entrepreneurship: European cities study.***1607. Making alternative food systems work IV: Urban food justice (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Geographies of Food and Agriculture Specialty Group)****Room:** *Palos Verdes, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Ryan E. Galt, University of California, Davis; Liz Carlisle, UC Berkeley

CHAIR(S): Thea Rittenhouse, UC Davis

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- 4:40** Samuel Walker*, University of British Columbia, Department of Geography, *GIS and Food Justice in Vancouver and Detroit.*
- 5:00** Katheryn Michelle Glowa, PhD Candidate*, University of California Santa Cruz, *Accessing land, enacting property, and changing the politics of cities: How urban organized garden projects choose land tenure strategies for effective social change.*
- 5:20** Evan Weissman, PhD*, Syracuse University; Jonnell Robinson, PhD, Syracuse University; Matthew Potteiger, SUNY ESF; Susan Adair, PhD; Sean Keefe, Syracuse University, *Feeding the City: Political Economic Constraints on Efforts to Improve Fresh Produce Access in Syracuse, New York.*
- 5:40** Zac Henson*, University of California, Berkeley, *Magic City Agriculture Project: Research in Action.*
- 6:00** Christine C Caruso, MA, MPH*, The Graduate Center CUNY, *The Meaning(s) of "Sharing": an examination of discourse, awareness and participation in CSA and other AFNs in a low-income community in New York City.*
- 1608. Articulating Value in Urban Green Space 2**
Room: *San Bernardino, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Jane Battersby, University of Cape Town; Henrik Ernstson, African Centre for Cities, University of Cape Town
 CHAIR(S): Henrik Ernstson, African Centre for Cities, University of Cape Town
- 4:40** Karl Grossner, PhD*, Stanford University; Elijah Meeks, Stanford University; Jon Christensen, University of California, Los Angeles (UCLA), *Naturehoods: Measuring City Nature at Neighborhood Scale.*
- 5:00** Karen E Smith, Professor of History*, Emporia State Univ, *Park Story: Inscribing Sentiment on an Alien Landscape.*
- 5:20** Heather A Sander*, University of Iowa; Chang Zhao, University of Iowa, *Variation in Cultural Ecosystem Service Values in an Urban Environment.*
- 5:40** Lisa Benton-Short*, The George Washington University, *Someday in the Park with George: or how I helped organize an ideas competition for the Washington Monument Grounds in Washington DC..*
- 1609. Africa IV- Resources and Planning (Sponsored by Africa Specialty Group)**
Room: *San Fernando, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
 CHAIR(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
 Introducer: Iddrisu Adam
- 4:45** Alec Thornton, PhD*, The University of New South Wales; Tang Mun Bbun, Honours Student, University of new South Wales, *A level playing field? Improving market availability and access for small scale producers in Johannesburg, South Africa.*
- 5:05** Erica A H Smithwick, PhD*, The Pennsylvania State University; Douglas Baldwin, The Pennsylvania State University, *Scaled productivity response of nutrient additions in South African grasslands.*
- 5:25** Herman S Geyer*, CRUISE; Manie S Geyer, Prof, CRUISE, Department of Geography and Environmental Studies, Stellenbosch University, *The spatial and functional transformation of post-apartheid polycentric ur-ban regions in South Africa.*
- Discussant(s): Iddrisu Adam, University of Wisconsin - Marshfield Campus
- 1610. Global Urbanization and Local Politics in an Age of Austerity V: Panel (Sponsored by Global Urbanization, Urban Geography Specialty Group)**
Room: *San Gabriel A, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Deborah G Martin, Clark University; Gordon MacLeod, University of Durham
 CHAIR(S): Joe Painter, University of Durham
 Panelists: Antonia Layard, Birmingham Law School; Mark Purcell, University of Washington; Mike Raco, University College London; Danny Mackinnon, University of Glasgow
- 1611. Contesting and Constructing Spaces of Mobility and Transport V (Sponsored by Urban Geography Specialty Group, Energy and Environment Specialty Group, Transportation Geography Specialty Group)**
Room: *San Gabriel B, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Matthew Pruter
- 4:40** Ramachandraiah Chigurupati*, Centre for Economic & Social Studies, *Elevated Metro Rail and Undoing the City - Social Activism against a PPP Project in Hyderabad, India.*
- 5:00** Matthew Pruter*, *Bicycling in Los Angeles: The Clash of Modal Civilizations.*
- 5:20** Miriam Grace Eason*, University California, Berkeley, *Sunday Streets: Recreational Equity and Volunteer Conflicts.*
- 5:40** George Villanueva*, University of Southern California; George Allen O. Villanueva, PhD Candidate, USC Annenberg School for Communication and Journalism; Benjamin Stokes, PhD Candidate, USC Annenberg School for Communication and Journalism; Francois Bar, PhD, USC Annenberg School for Communication and Journalism; Otto Khera, MA, University of Southern California, *ParTour: Leveraging the Dual Mobilities of Cellphones and Bicycles to Re-Imagine Urban Space in South Los Angeles.*
- 6:00** Paulla A Ebron*, Stanford Univ.; Claudia Engel*, Stanford University, *Roots and Routes.*
- 1612. Paleorecords of our Changing Earth II: Climate, Vegetation, and Human Impacts in the Subtropical and Middle Latitudes (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: *San Gabriel C, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Michelle Goman, Sonoma State University; Catherine Yansa, Michigan State University
 CHAIR(S): Sally Horn, University of Tennessee
- 4:40** Matthew J Valente*, University of Tennessee Department of Geography; Sally P Horn, University of Tennessee Department of Geography; Thomas A Minckley, University of Wyoming Department of Geography, *Stratigraphic evidence of hydrological variability in Mexico's Cuatro Ciénegas Basin since the Late Pleistocene.*
- 5:00** Thomas A Minckley*, University of Wyoming; Matthew J. Valente, University of Tennessee; Sally P. Horn, University of Tennessee, *Vegetation Change in the Chihuahuan Desert during the Younger Dryas Chronozone..*
- 5:20** Camille A Holmgren*, Buffalo State College; Julio L Betancourt, U.S. Geological Survey; M. Cristina Peñalba, Universidad de Sonora; Jose Delgadillo, Universidad Autonoma de Baja California; Kimberly Hunter, Salisbury University; Kate A Rylander, U.S. Geological Survey, *Requiem for a hypothesized Sonoran Desert Pleistocene refugium in the upper Gulf of California/Lower Colorado River Basin.*
- 5:40** Alicia Cowart*, University of California, Berkeley; Roger Byrne, University of California, Berkeley, *Late*

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Quaternary climate change and human impacts in central coastal California.

- 6:00** James Wanket*, California State University, Sacramento; Dave Wahl, US Geological Survey; Lysanna Anderson, US Geological Survey; Jennifer Kusler, US Geological Survey, *A Pollen and Charcoal Record of Alpine Ecosystem Change from Echo Lake, Ruby Mountains, Nevada.*

1616. Robert Raskin Mashup Mapping Competition Finalist Oral Presentation (Sponsored by Cyberinfrastructure Specialty Group)

- Room:** Santa Anita C, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Ming-Hsiang Tsou, San Diego State University
 CHAIR(S): Ming-Hsiang Tsou, San Diego State University
 Panelists: Ming-Hsiang Tsou, San Diego State University; Huayi Wu, Wuhan University; Michael Page, Emory University; Qunying Huang, George Mason University; Wenwen Li, Arizona State University; Sung-Gheel Jang, Cleveland State University; Benjamin Tuttle, University of Denver / NGA; Jiue-An Yang, San Diego State University

1617. Collaborative online international learning: Reflections on pedagogy and practice (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)

- Room:** Santa Barbara A, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Michael N. Solem, Association of American Geographers
 CHAIR(S): Michael N. Solem, Association of American Geographers
 Introducer: Michael N. Solem
 Panelists: Wei Li, Arizona State University; Majed Akhter, University of Arizona; Osvaldo Muniz, Texas State University, San Marcos; Niem Huynh, Association of American Geographers; Mark Revell, Association of American Geographers; Pratyusha Basu, University of South Florida, Tampa; Ron Kalafsky, University of Tennessee

1618. Climate Change & Extreme Events: Vulnerability, Resilience, and Adaptation (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group, Climate Change, Variability, Adaptation and Justice)

- Room:** Santa Barbara B, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Tom Cova, University of Utah
 CHAIR(S): Tom Cova, University of Utah
 Discussant(s): William Solecki, Hunter College
 Panelists: Maureen Fordham, Northumbria University; Thomas Wilbanks, Oak Ridge National Laboratory; Susan Cutter, University of South Carolina; David Easterling, National Climatic Data Center

1619. Contention, Control, and Political Innovations in Cities 3 (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

- Room:** Santa Barbara C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Walter Nicholls, Sociology, University of Amsterdam; Justus Uitermark, Department of Sociology
 CHAIR(S): Justus Uitermark, Department of Sociology
4:40 Byron Miller*, University of Calgary, *Death of the Urban? The Transformation of Urban Life and Urban Politics.*
5:00 Hanna Hilbrandt*, Open University, *Insurgent Participation. Why Resistance Matters for Altering Neoliberal Planning.*
5:20 Martine Drozd*, University of Lyon (France), *Mapping regeneration's grievances: the multiple geographies of*

planning protests in contemporary London..

- 5:40** Theresa Erin Enright*, University of California, Santa Cruz, *The Multitude and the Metropolis: Urban Development and Resistance in the Global City.*

- 6:00** Michael McQuarrie*, University of California, Davis, *Community Organizations and the Failure of Neoliberal Civil Society.*

1621. Finance, Debt and the Realization of Value in the Social Factory III

- Room:** San Diego, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Miranda Joseph, University of Arizona; Leigh Claire La Berge
 CHAIR(S): Mark Kear, Simon Fraser University
 Introducer: Mark Kear
4:45 Miranda Joseph*, University of Arizona, *Gender, Entrepreneurial Subjectivity, And Pathologies of Personal Finance.*
5:05 Sarita See*, U.C. Davis, *Gambling with Debt: Lessons from the Illiterate.*
5:25 Fiona Ruth Allon*, University of Sydney, *Home Economics: gender, labour, and the financialization of everyday life.*
5:45 Leigh Claire La Berge, Ph.D.*, St. Mary's University, *Mapping the Language of Finance.*
 Discussant(s): Paul Langley, University of Durham

1623. The AfriPop and AsiaPop Projects: Methods and Applications for Human Population Distribution Mapping (Sponsored by Human Dimensions of Global Change Specialty Group, Population Specialty Group)

- Room:** San Jose, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Andrea Gaughan
 CHAIR(S): Andrea Gaughan
4:40 Andrea E Gaughan*, University of Florida; Forrest Stevens, University of Florida; Catherine Linard, Ph.D., Université Libre de Bruxelles; Peng Jia, University of Florida; Andrew J. Tatem, Ph.D., University of Florida, *High resolution population distribution maps for Southeast Asia in 2010 and 2015.*
5:00 Catherine Linard, PhD*, Université Libre de Bruxelles, *Urban Growth and Population Distribution in Africa.*
5:20 Narcisa G. Pricope, PhD*, Southern Oregon University; Joel Michaelsen, University of California Santa Barbara; Greg Husak, University of California Santa Barbara; Chris Funk, United States Geological Survey; David Lopez-Carr, University of California Santa Barbara, *Hotspots of population vulnerability to climate change in Africa.*
5:40 Forrest R. Stevens*, University of Florida; Andrew J. Tatem, Ph.D., University of Florida; Andrea Gaughan, Ph.D., University of Florida, *The Next Version of Afri/Asia/AmeriPop: Refining Area to Grid Population Assignment Using Ancillary Data and Nonparametric, Ensemble Models.*

1624. Tourism Geography and Evolutionary Research III (Sponsored by Recreation, Tourism, and Sport Specialty Group)

- Room:** Avalon, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Patrick Brouder; Salvador Anton Clave, Rovira i Virgili University
 CHAIR(S): Alison M Gill, Simon Fraser University
4:40 Rudi Hartmann*, University of Colorado, *Critical mass in evolutionary models of tourism dynamics: A new framework for the Tourist Area Life Cycle?.*
5:00 Maria Angeles Casado-Diaz, University of the West of England, United Kingdom*; Jose Fernando Vera-Rebollo, Instituto de Investigaciones Turísticas, University of Alicante, Spain, *'Destination image and the renewal of mature tourist destinations: a case study*

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of Benidorm, Spain'.

5:20 Chaozhi Zhang*, Sun Yat-sen University, School of Tourism Management, *Evolution of Nature Based Tourism Destination in China: Towards A Model of Explanation.*

5:40 Edward H. Huijbens*, Icelandic Tourism Research Centre, *Cluster Without Content? Unpacking Icelandic Regional Tourism Policy.*

Discussant(s): Alan A Lew, Northern Arizona University

1625. Whiteness and Race: Rethinking the boundaries III- Expanding the discussion (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)

Room: Emerald Bay, Westin, Level 3 (Panel Session)

ORGANIZER(S): Fletcher Chmara-Huff, The Ohio State University; Brittany Davis, University of Arizona

CHAIR(S): Brittany Davis, University of Arizona

Panelists: Tom Narins, Student; Fletcher Chmara-Huff, The Ohio State University; Wendy S Shaw, University of New South Wales; Paula Decker, University of Arizona; Komal K Dhillon, Virginia Tech

1626. The Fulbright Experience: Sharing Faculty and Student Perspectives

Room: Hollywood Ballroom, Westin, Level 3 (Panel Session)

ORGANIZER(S): Zia Salim, San Diego State University / University of California, Santa Barbara

CHAIR(S): Zia Salim, San Diego State University / University of California, Santa Barbara

Discussant(s): Jeremy Tasch, Towson University

Panelists: Ashley Coles, University of Arizona; Jeff La Frenierre, Ohio State University; Wendy Miles, University of Hawaii at Manoa; Velvet Nelson, Sam Houston State University

1627. Planetary Urbanization in Comparative Perspective 4 (Sponsored by Global Urbanization, Urban Geography Specialty Group)

Room: Santa Monica A, Westin, Level 3 (Panel Session)

ORGANIZER(S): Ozan Karaman, ETH Singapore; Christian Schmid, ETH Zurich

CHAIR(S): Christian Schmid, ETH Zurich

Discussant(s): Kevin Ward, University of Manchester

Panelists: Christian Schmid, ETH Zurich; Jennifer Robinson, University College London; Neil Brenner, Harvard University, Graduate School of Design; Ananya Roy, University of California, Berkeley

1628. Methodologies in Social Memory and/or Heritage Tourism Research II (Sponsored by Study of the American South Specialty Group, Recreation, Tourism, and Sport Specialty Group)

Room: Santa Monica B, Westin, Level 3 (Paper Session)

ORGANIZER(S): David Butler, University of Southern Mississippi; Derek H Alderman, University of Tennessee

CHAIR(S): E Arnold Modlin Jr

4:40 Emma Waterton*, University of Western Sydney, *Photos of the Past: The negotiation of identity and belonging at Uluru-Kata Tjuta National Park.*

5:00 Amy E. Ritterbusch, PhD*, Universidad de los Andes, *Participatory Methodologies in Social Memory: Visualizing Place Memories of Violence and Exclusion in Bogotá, Colombia.*

5:20 Amy E. Potter, PhD*, Louisiana State University, *Qualitative Mental Mapping: Methodological Considerations for Migration Studies.*

5:40 Perry Carter*, Texas Tech University, *The Unbearable Placelessness of Being: Slave Castles and the African Diaspora's Search for Belonging.*

1629. Addressing Challenges For Geospatial Data-Intensive Research Communities: Research on Unique Confidentiality Risks & Geospatial Data Sharing Issues (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica C, Westin, Level 3 (Panel Session)

ORGANIZER(S): Douglas Richardson

CHAIR(S): Jean McKendry, Association of American Geographers

Panelists: Douglas Richardson; Kristine Witkowski, University of Michigan; Mei-Po Kwan, University of Illinois at Urbana-Champaign; Jean McKendry, Association of American Geographers

1630. Geopolitics of Mobility and Immobility 3: (Im)mobility and the state (Sponsored by Political Geography Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Michael Collyer, University of Sussex; Elisa Pascucci, University of Sussex

CHAIR(S): Mathew Coleman, Ohio State University

4:40 Austin Crane*, University of Kentucky, *A balancing act in the EU's borderlands: security, development, and (im)mobility in the management of migration in Ukraine.*

5:00 Elaine Ho*, National University of Singapore, *'Refugee' or 'returnee'? The ethnic geopolitics of diasporic resettlement in China and intergenerational change.*

5:20 Edilma De Jesus Desiderio, DPhil candidate*, Universidad Nacional Autónoma de México, *The regional interagency process on irregular transit migration. Control and regulation practices in Mexico's southern border with Central America.*

5:40 Michael Collyer*, University of Sussex, *Visibility and invisibility as state and migrant strategies in wartime Sri Lanka.*

Discussant(s): Polly Pallister-Wilkins, University of Amsterdam

1634. Economic Zones and Flows

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ke Chen, East Tennessee State University

4:40 Carlos González*, GSI Project, General Director, *The impact of Free and Foreign Trade Zones in the Development of Knowledge Economies.*

5:00 Kenneth Johnson*, SUNY - ONEONTA, *Restructuring the Eurozone.*

5:20 Carlos J. Guilbe*, University of Puerto Rico, *Mapping Free Trades and Commercial Agreements in the Americas; The Invisible Countries in the Global Village..*

5:40 Sarah A Blue, PhD*, Texas State University, *Cuban Internationalism and South-South Collaboration.*

6:00 Ke Chen*, East Tennessee State University; Guo Chen, Michigan State University, *Changes in International Financial Centers in A Global Economic Undertow.*

1635. Author-Meets-Critics: Michael Webber's Making Capitalism in Rural China (Sponsored by China Specialty Group, Asian Geography Specialty Group, Symposium on New Geographies of Urban China, Economic Geography Specialty Group)

Room: Laguna Parlor 3028, Westin, 30th Floor (Panel Session)

ORGANIZER(S): George C.S. Lin, University of Hong Kong

CHAIR(S): Wei Xu, University of Lethbridge

Panelists: Carolyn Cartier, University of Technology, Sydney; Jim Glassman, University of British Columbia; Wei Xu, University of Lethbridge; Daniel Buck, University of Oregon; Michael Webber, The University of Melbourne

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- 1636. Science & the Production of Species III: Intersecting Knowledges (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**
Room: *Laguna Parlor 3044, Westin, 30th Floor (Paper Session)*
ORGANIZER(S): Elizabeth Hennessy, University of North Carolina Chapel Hill
CHAIR(S): Elizabeth Hennessy, University of North Carolina Chapel Hill
4:40 Sharon Adams*, University of Texas Austin, *Discursive Jaguars: Science, Popular Culture and the Production of Panthera onca*.
5:00 Joe Zammit-Lucia, MD*, WOLFoundation.org; Linda Kalof, PhD, Michigan State University, *Creating Endangered Species: The Interaction Between Science and the Arts*.
5:20 Julian S Yates*, University of British Columbia, *Breeding Change? Kamayok and the 'Technical Extension' of Alpaca Breeding Practices in the Peruvian Andes*.
5:40 Eunice Blavascunas*, The University of Maine, *Resident Biology: Postsocialist Wildlife in Bialowieza Poland*.
Discussant(s): Rosemary-Claire Collard, University of British Columbia
- 1637. Contemporary Indigenous Issues: II**
Room: *Laguna Parlor 3048, Westin, 30th Floor (Paper Session)*
ORGANIZER(S): Blake Hawkins, University of Northern British Columbia
CHAIR(S): Blake Hawkins, University of Northern British Columbia
Introducer: Blake Hawkins
4:42 Taylor Tappan, MA Student*, University of Kansas, *The Role of Schools in Shaping Miskitu Settlement Landscapes and Territoriality in the Honduran Mosquitia*.
5:02 V. Xochitl Juarez-Varela*, University of California, *Behind the beautiful houses*.
5:22 Sue Jackson, Dr*, CSIRO; Lisa R Palmer, Dr, Melbourne University, *Modernising Water: Articulating Custom in Water Governance in Australia and East Timor*.
5:42 Rebecca Haacker-Santos*, SOARS-Spark Science Education, *Co-creating climate change knowledge in southern Louisiana: Indigenous communities and college research interns building sustainable learning partnerships*.
Discussant(s): Julia Christensen
- 1638. Remote Sensing and GIS Techniques in Wetland and Coastal Ecosystems (3) (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Coastal and Marine Specialty Group)**
Room: *Laguna Parlor 3064, Westin, 30th Floor (Paper Session)*
ORGANIZER(S): Caiyun Zhang, Florida Atlantic University; Xiaojun Yang, Florida State University
CHAIR(S): Caiyun Zhang, Florida Atlantic University
4:40 Shuvankar Ghosh*, University of Georgia; Deepak Mishra, PhD, Assistant Professor, Department of Geography, University of Georgia; Hyun Jung Cho, PhD, Assistant Professor, Department of Integrated Environmental Science, Bethune Cookman University, *Monitoring the Response and Recovery of the Salt Marsh Biophysical Characteristics after the Deepwater Horizon Oil Spill*.
5:00 Laura L Hess*, Earth Research Institute, University of California, Santa Barbara; Thiago S F Silva, National Institute for Space Research (INPE), Brazil; Vivian Renó, National Institute for Space Research (INPE), Brazil; Rebecca Powell, Center for Energy, Environment and Sustainability, Wake Forest University and Department of Geography, University of Denver; David McGrath, Woods Hole Research Center and Federal University of Pará, Belém, Brazil, *Deforestation on the Lower Amazon floodplain: Comparison of Historical Aerial Photos and Maps with Multi-decadal Optical and Radar Imagery*.
5:20 Margherita Azzari, Associate Professor, University of Florence, Italy; Paola Zamperlin, PhD*, University of Florence, *WetTus - Wetlands Atlas of Tuscany*.
5:40 Bruce Millett*, South Dakota State University; Janet Gritzner, South Dakota State University, *Characterizing Wetlands in the Prairie Pothole Region*.
6:00 Caiyun Zhang*, Florida Atlantic University; Zhixiao Xie, Florida Atlantic University, *Data Fusion and Classifier Ensemble Techniques for Vegetation Mapping in the Coastal Everglades*.
- 1639. China and climate change: measurements and impacts (Sponsored by China Specialty Group, Climate Change, Variability, Adaptation and Justice)**
Room: *Laguna Parlor 3068, Westin, 30th Floor (Paper Session)*
ORGANIZER(S): Tim Oakes, University of Colorado
CHAIR(S): Jie Tian, Clark University
4:40 Yanrui Shang*, Hebei Normal University, *Agricultural system vulnerability and adaptation to drought -----taking Xingtai county in Hebei province of China as an example*.
5:00 Chunmei Ma*, School of Geographic and Oceanographic Sciences, Nanjing University of China; Kam-biu Liu, Department of Oceanography and Coastal Sciences, School of the Coast and Environment, Louisiana State University, US; Guangsheng Zhang, Department of Urban Construction and Environment Science, West Anhui University of China; Qiang Yao, Department of Oceanography and Coastal Sciences, School of the Coast and Environment, Louisiana State University, US; Run Huang, Department of Urban Construction and Environment Science, West Anhui University of China; Chaogui, Zheng, Department of Geography, College of Chuzhou, China, *Pollen Records of Vegetation and Climate Changes since 8800 yr BP from a Peatland in Dabie Mountains, Eastern China*.
5:20 Jida Wang*, University of California, Los Angeles (UCLA); Yongwei Sheng, University of California, Los Angeles (UCLA); Yoshihide Wada, Utrecht University, Utrecht, Netherlands, *Decadal decline of lake inundation areas in the Yangtze basin downstream from the Three Gorges Dam - consequences from climatic variability or human water modulation?*.
5:40 Jianjun WU*, *Drought-induced reduction in vegetation activity of Ecological Restoration Program in the Beijing-Tianjin Sand Source Region of China*.
- 1640. Natural Resource Management and Peacebuilding in Post-Conflict Settings (II) (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)**
Room: *Malibu Parlor 3018, Westin, 30th Floor (Paper Session)*
ORGANIZER(S): Matthew F Pritchard, McGill University
CHAIR(S): Matthew F Pritchard, McGill University
Introducer: Matthew F Pritchard
4:44 Fiona C Wilmot*, Texas A&M University, *Peace +20: Restoration and paying the price in El Salvador*.
5:03 Allison Brown*, University of Massachusetts, Amherst, *Medicinal plants for good and ill: Promoting ultra-high value crops in conflict, post-conflict, and counter narcotic settings*.
5:22 Alexander Cullen*, University of Melbourne, IOWC, *Conflict, meanings and livelihood challenges: Traditional resource management struggles in Fatuluku East Timor*.
5:41 Emily Savage*, McGill University, *Oil, Land Tenure, and Livelihoods in South Sudan: Gauging Livelihood Impacts of the Lamu Port Lamu - South Sudan Ethiopia Transport Corridor (LAPSSET) Oil Pipeline*.

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Discussant(s): Jon Unruh, McGill University

1641. Environmental ecosystem in urban rivers 2

Room: Malibu Parlor 3038, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Jingyu Wang, Bronx Community College/CUNY, Dept of Chemistry & Chemical Technology
CHAIR(S): Jingyu Wang, Bronx Community College/CUNY, Dept of Chemistry & Chemical Technology

4:40 Trisha Jackson*, South Dakota State University, *Terra Preta and Heavy Metals in Santarém, Brazil*.

5:00 Amber Ignatius, Doctoral Candidate*, University of Georgia, *Small Reservoirs of the Georgia Piedmont, USA: Uses, Water Quality, and Evaporation*.

5:20 Justin Hart*, University of Alabama; Julia Cherry, University of Alabama, *Ecosystem composition, structure, and function along a successional sequence in beaver-formed wetlands on the southeastern U.S. Coastal Plain*.

5:40 Marissa Isaak*, University of Arizona, *Desalination: A Technology for the Future*.

1642. Political Ecologies of Resource Extraction and Indigeneity in the Americas (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)

Room: Malibu Parlor 3058, Westin, 30th Floor (Panel Session)

ORGANIZER(S): Andrea Marston; Dawn Hoogeveen, University of British Columbia

CHAIR(S): Dawn Hoogeveen, University of British Columbia

Discussant(s): Karl Zimmerer, Pennsylvania State University

Panelists: Catherine Nolin, University of Northern British Columbia (UNBC); Anthony Bebbington, Clark University; Emilie Cameron, Carleton University; Glen Coulthard, University of British Columbia

1643. Land Conflict, Expansion and Territoriality in Race Studies (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Ethnic Geography Specialty Group)

Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Stevie Raymond Ruiz, University of California, San Diego

CHAIR(S): Rashad Shabazz, The University of Vermont

4:40 Genevieve Carpio*, University of Southern California, *Racing Along the Old Trails Road: Racial Formation, Mobile Landscapes, and Public Memory*.

5:00 Rebecca J. Kinney, Ph.D.*, Bowling Green State University, *Disciplining the "Post-Industrial Frontier": Narratives of Conquest in Detroit's "Rise"*.

5:20 Juan Herrera*, UC Berkeley, *The Making of the Latino Nonprofit Industrial Complex in the Fruitvale District of Oakland, CA*.

5:40 Stevie Ruiz*, University of California, San Diego, *Competing Definitions Over Property and Land in Imperial County*.

Discussant(s): Rashad Shabazz, The University of Vermont

1644. Gendered Work in Domestic Space (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Risa Whitson, Ohio University

CHAIR(S): Risa Whitson, Ohio University

4:40 Kaitlin Fertaly*, University of Colorado at Boulder, *Too Many Cooks in the Kitchen: Culinary Skills, Agency, and Domestic Space in Rural Armenia*.

5:00 Natalie Pearl Jolly, Ph.D.*, University of Washington, Tacoma, *Midwives on the Margin: Gender and Power in a Pennsylvania Amish Community*.

5:20 Wei-Shun Chang*, Department of Geography in National Taiwan University, *Rural B&B Hostess' Life*

Experience and Empowerment in the Household Space as a Public/Private Sphere.

5:40 Risa Whitson*, Ohio University, *Selling for Women:*

Discourses of Gender and Place in Direct Selling.

Discussant(s): Rosie Cox

1645. The Fukushima Disaster

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Karl Hoarau, Cergy-Pontoise University

4:40 Karl HOARAU*, Cergy-Pontoise University; Sebastien CRON, Forwardkeys by Forward Data, Barcelona, Spain; Pierre Zembri, Cergy-Pontoise University; Laurent Gatineau, Cergy-Pontoise University; Ludovic CHALONGE, Cergy-Pontoise University, *Japan 2011 Natural and Nuclear Crisis, and Impacts on Travel Trends*.

5:00 Lisa Marshall*, UNC-Chapel Hill, *The Post-Fukushima Nuclear Energy Narrative - Geography of U.S. Proponents*.

5:20 Noritsugu Fujimoto, Associate Professor*, Fukushima University; Ryota Koyama, Ph.D., Associate Professor, Fukushima University, *Regional Structure of Fukushima after the Great East Japan Earthquake*.

5:40 Noritsugu Fujimoto, Associate Professor*, Fukushima University; Ryota Koyama, Associate Professor, Fukushima University; Yuta Hirai, Journalist, *Fukushima problem and geographical concept for effective and wicked purpose : a divided region*.

6:00 Jasmin Kominek*, University of Hamburg; Jürgen Scheffran, University of Hamburg, *Global implications of local events on social networks*.

1646. Critical Toponymies II: Naming, Symbolic Power, and the Production of Place (Sponsored by Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Reuben Rose-Redwood, University of Victoria; Jani Vuolteenaho, University of Helsinki

CHAIR(S): Jani Vuolteenaho, University of Helsinki

Introducer: Jani Vuolteenaho

4:45 Frederic Giraut*, Université de Genève; Myriam Houssay-Holzschuch, Joseph Fourier University, Grenoble, France; Sylvain Guyot, University of Limoges, *Towards a general framework for understanding renaming processes*.

5:05 Wale Adebawu*, University of California, Davis, *Renaming' Mandela Drive: The Toponymy of Race and Collective Memory in Post-Apartheid South Africa*.

5:25 Karen Heikkilä*, University of Helsinki, *Indigenous place-names as critical toponymy: the case of Semai toponyms as receptacles of displaced history*.

5:45 Reuben Rose-Redwood, Associate Professor, University of Victoria; Lisa Kadonaga, PhD*, University of Victoria, *"The Corner of Avenue A and Twenty-Third Street": Uneven Geographies of Street Numbering in the United States*.

Discussant(s): Derek H Alderman, University of Tennessee

1647. Land-Atmosphere Interactions (Sponsored by Climate Specialty Group, Water Resources Specialty Group)

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Eungul Lee, West Virginia University; Lei Meng, Western Michigan University

CHAIR(S): Trent Biggs, San Diego State University

4:40 Oliver W. Frauenfeld*, Texas A&M University; Liang Chen, Texas A&M University; Tingjun Zhang, University of Colorado, *Comparison of Heat Flux Estimates based on Observations and Modeling for the Eurasian High Latitudes*.

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5:00 Lei Meng*, Western Michigan University, *Statistical analysis of the relationship between spring soil moisture and summer precipitation in East China.*

5:20 Jun Xiong*, ORAU / NASA Ames Research Center; Weile Wang, NASA Ames Research Center & University Corp. Monterey; Forrest Melton, NASA Ames Research Center & University Corp. Monterey; Cristina Mili, NASA Ames Research Center & University Corp.; Bridget Thrasher, Climate Analytics Group; Sangram Ganguly, NASA Ames Research Center & Bay Area Environmental Research Institute; Gong Zhang, NASA Ames Research Center & University Corp. Monterey; Andrew Michaelis, NASA Ames Research Center & University Corp.; Ramakrishna Nemani, NASA Ames Research Center, *Future declining of terrestrial carbon sink in western North America.*

5:40 Eungul Lee*, West Virginia University; Benjamin S Felzer, Lehigh University, *Improved hydrological processes in the Community Land Model (CLM4-CN).*

6:00 Trent Biggs*, San Diego State University; Alex Messina, San Diego State University, *Global ET datasets: Comparison with automated SEBAL in irrigated and rainfed ecosystems.*

1670. Politicizing Energy Consumption 2: Responsibility and Agency (Sponsored by Political Geography Specialty Group, Energy and Environment Specialty Group)

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)
ORGANIZER(S): Rosie Day, University of Birmingham; Conor Harrison, University of North Carolina

CHAIR(S): Stefan Bouzarovski, University of Manchester

4:40 Conor Harrison*, University of North Carolina, *Energy poverty in Rocky Mount Mills, 1929-1933.*

5:00 Helene Subremon*, UMR CNRS LATTS 8134/ Ecole des Ponts ParisTech; Benoite Decup-Pannier, UMR CNRS LATTS 8134/Ecole des Ponts ParisTech; Jerome Huguet, UMR CNRS LATTS 8134/Ecole des Ponts ParisTech, *Energy constraint and social innovation or how to bring domestic energy uses to political level.*

5:20 Sara Fuller*, City University of Hong Kong; Maria Francesch-Huidobro, City University of Hong Kong, *Assessing responsibility for low carbon living in Hong Kong.*

5:40 Saska Petrova*, University of Manchester; Stefan Bouzarovski, University of Manchester, *Conceptualizing energy vulnerability at the household and community level.*

6:00 Autumn Thoyre*, UNC-Chapel Hill, *Who owns North Carolina's negawatts? Climate change, free light bulbs, and green neoliberalism.*

1671. Spatial Analysis Methods for Historical Census Demography (Sponsored by Geographic Information Science and Systems Specialty Group, Population Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Bernard's, Biltmore, Lobby Level (Paper Session)
ORGANIZER(S): Barbara P. Battenfield, University of Colorado, Boulder; Nicholas Nagle, University of Tennessee

CHAIR(S): Barbara P. Battenfield, University of Colorado, Boulder

4:40 Mary H Kelly*, NUI Maynooth; A. Stewart Fotheringham, Professor, Centre for GeoInformatics, University of St Andrews, Scotland, UK, *Irish emigration to the USA: a spatial analysis using GWR.*

5:00 Stefan Leyk*, University of Colorado; Matt Ruther, University of Colorado; Galen Maclaurin, University of Colorado; Barbara Battenfield, University of Colorado; Nicholas Nagle, University of Tennessee, *Validating Methods of Demographic Small Area Estimation Using Historical Census Enumerations.*

5:20 Jonathan Schroeder*, University of Minnesota, *NHGIS Time Series: Harmonizing U.S. Census Data across Time and Space.*

5:40 Nigel S Walford, BA PhD*, Kingston University, *Preliminary Exploration of 1901 and 1911 British Population Census records for Households and Individuals in part of London.*

Discussant(s): Seth Spielman, University of Colorado

1672. Transportation Geography: Road Network Development and Environmental Change

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Risa Patarasuk; Sanchayeeta Adhikari, Macalester College

CHAIR(S): Risa Patarasuk

4:40 Shengyan Ding*, College of Environment & Planning, Henan University, Kaifeng 475001, China; Guofu Liang, College of Environment & Planning, Henan University, Kaifeng 475001, China, *Impact of the Road on Woodland Landscape Connectivity.*

5:00 Wenting Zhang*, the Chinese University of Hong Kong; Bo Huang, The Chinese University of Hong Kong; Dong Luo, Changjiang Project Supervision and Consulting Co., Ltd., *Effects of land use and traffic changes on carbon source and sink in Shenzhen, China.*

5:20 Perumal Balakrishnan*, Qatar University; Nadeem Hashem, Qatar University, *A GIS approach to modelling traffic related air pollution.*

5:40 Yukari Hori, PhD Candidate*, University of Toronto at Scarborough; Benita Tam, PhD, University of Toronto at Scarborough; Leonard J.S. Tsuiji, PhD, University of Waterloo; William A. Gough, PhD, University of Toronto at Scarborough, *Implications of Climate Variability and Climate Change on Winter Transportation in the James Bay Region of Northern Ontario, Canada.*

6:00 Risa Patarasuk*, Department of Geography/Soil & Water Science Department (GIS-Pedometrics Lab), University of Florida, *The Relationships between Road Types and Land Cover Dynamics in Buri Province, Thailand 1989-2006.*

1673. Distinguished Historical Geographer Plenary Lecture: Carceral Space and the Usable Past (Sponsored by Historical Geography Specialty Group)

Room: Corinthian, Biltmore, Mezzanine Level (Panel Session)

ORGANIZER(S): Robert Wilson, Syracuse University

CHAIR(S): Garth Myers, Trinity College

Panelists: Karen M Morin, Bucknell University

1674. Alternative Geographies of Poverty: Penn State Research on the Global North (Sponsored by Global Urbanization, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: Corsican, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Melissa Y. Rock, Pennsylvania State University; Lakshman Yapa, Pennsylvania State University

CHAIR(S): Katherine Gibson, University of Western Sydney

4:40 Lakshman Yapa, PhD*, Pennsylvania State, *Alternative Geographies of Poverty: Changing the Discourse.*

5:00 Michael Giangrande*, Penn State World Campus/Westat, *Approaching Geography of Poverty Through the Journey to Work.*

5:20 Michael Stryker*, Penn State University, *Visual support for framing the question Where is the Geography of Poverty?.*

5:40 Ann Myatt James*, The Pennsylvania State University, *US Food Assistance: A History of SNAP and the Long-Term Food Security of Poor People.*

Discussant(s): Janelle Knox-Hayes, Georgia Institute of Technology

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1675. The Informal City

Room: *Florentine, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Vinit Mukhija, University of California, Los Angeles (UCLA)
 CHAIR(S): Anastasia Loukaitou-Sideris, University of California, Los Angeles (UCLA)
 Discussant(s): Vinit Mukhija, University of California, Los Angeles (UCLA); Anastasia Loukaitou-Sideris, University of California, Los Angeles (UCLA); Peter Ward, University of Texas; Jeffrey Hou, University of Washington; Margaret Crawford, UC Berkeley

1676. The Subconference

Room: *Grecian, Biltmore, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Christian Anderson, University of Washington at Bothell
 CHAIR(S): Christian Anderson, University of Washington at Bothell
 Panelists: Seth Gustafson, The University of Georgia; Amanda Huron, University of the District of Columbia; Magdalena Ornstein-Sloan, CUNY Graduate Center; Jim Thatcher, Clark University; Hunter Jackson, CUNY Graduate Center

1677. Land Systems Science Symposium: Plenary Lecture (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: *Heinsbergen, Biltmore, Lobby Level* (Paper Session)
 ORGANIZER(S): Richard Aspinall
 CHAIR(S): B. L. Turner II, Arizona State University
4:40 Eric F Lambin, Professor*, Stanford University,
Globalization is increasingly driving land use changes.

1678. Geography teacher training and preparation

Room: *Mediterranean, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Joy K. Adams, Association of American Geographers
 CHAIR(S): Jacqueline Waite, National Council for Geographic Education
4:40 John A Menary*, California State University Dominguez Hills, *Is Educational Geography Necessary for Training Teachers: An Evolutionary Perspective.*
5:00 Sandra Hof*, Ruhr-University Bochum, Germany; Stefan Hennemann, Justus-Liebig-University Giessen, Germany, *Teacher training in geography in Germany - (Mis)match between acquired and required competences.*
5:20 Jung Eun Hong*, University of West Georgia, *Web-based GIS for Middle School Teachers: Using Online Mapping Applications to Promote Teacher Adoption.*
5:40 Jacqueline L Waite, PhD*, National Council for Geographic Education, *K-12 Geography Teaching Prospects and Preparation.*

1679. Reflecting on the heuristic potential of informality: A South-North dialogue

Room: *Moroccan, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Julie-Anne Boudreau, INRS-Montreal; Felipe De Alba, MIT
 CHAIR(S): Julie-Anne Boudreau, INRS-Montreal
 Introducer: Julie-Anne Boudreau
4:45 Felipe De Alba*, MIT, *"Everyday citizenship" in environmental political conflicts in Mexico.*
5:00 Guenola Capron*, UAM, *(In)formality, privatization of security and citizens' mistrust: cases of study in Mexico City.*
5:15 Maria Moreno-Carranco, PhD, Professor*, Autonomus Metropolitan University -Cuajimalpa, Mexico, *Walled worlds: security and the informalization of citizenship in gated communities in Mexico City.*
5:30 Martin Lamotte*, EHESS, INRS, *How useful is the concept of informality in gangland?.*

6:30 PM - 8:00 PM • 1700

1722. AAG OPENING SESSION

Room: *San Francisco, Westin, Level 2*

Welcoming remarks:

Douglas Richardson, AAG Executive Director
Eric Sheppard, AAG President, University of California, Los Angeles

Presidential Plenary: Emerging Asias

Organizer: **Eric Sheppard**, AAG President, University of California, Los Angeles

Speakers: **Ananya Roy**, University of California, Berkeley
Fulong Wu, University College London
Anna L. Tsing, University of California, Santa Cruz
Jim Glassman, University of British Columbia

The 2013 Presidential Plenary seeks to draw members' attention to the remarkable geopolitical and geoeconomic changes underway on that continent and their implications. With the AAG Annual Meeting now the global meeting place for geographers, this occasion of meeting in the US' most Asian metropolis, on the Pacific Rim, is singularly appropriate for such a discussion.

Describing the thought behind his choice of a title, **Sheppard** indicates that he uses the term "emergence" in a more conceptual sense, as has been articulated in both complexity theory and philosophy: Emergence refers to how a phenomenon, as it changes, exhibits novel features that cannot be predicted from its previous state. Obviously, novel features need not be positive, and this is certainly the case for some Asias.

The plural in **Emerging Asias** is deliberate: 'Asia' is a vast land mass characterized by enormously diverse biophysical systems, landscapes, languages, cultures, identities, politics and economies. On the one hand are the Asias of spectacular dynamism, wealth creation and emergent political power; yet there also are the Asias inhabited and made by those whose labor makes such spectacles possible. They may cohabit the same place, but with very different connectivities and livelihood prospects. Different Asias are entwined with one another and with other regionalized dynamics. The various Asias stretch around, across and through one another, dialectically entangling the emergent places, networks and scales through which they are constituted. Yet they also long have been complexly co-implicated with variegated and emergent Europes, Americas, Africas and Oceanias that they co-evolved with.

For this plenary, **Sheppard** has chosen to concentrate on south, southeast and east Asia, and on political and economic changes. The plenary session speakers are prominent Asia specialists in their own right, but also have close personal connections with various sub-regions.

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

For special events, please see the Special Events & Meetings Summary on p. 42-44.

WEDNESDAY, APRIL 10 • 8:00 AM - 9:40 AM • 2100**8:00 a.m. - 9:40 a.m.****2101. Socialist and post-Socialist Urbanisms: Critical Reflections; Comparative Perspectives - I (Sponsored by Russian, Central Eurasian, and East European Specialty Group)***Room: Beaudry A, Westin, Lobby Level (Paper Session)*

ORGANIZER(S): Douglas Young, York University

CHAIR(S): Douglas Young, York University

8:00 Lisa Drummond, PhD*, York University; Douglas Young, PhD, York University, *Socialist and Post-Socialist Urbanisms: Critical Reflections on Urban Legacies of the 20th Century.***8:20** Jesse McClelland*, University of Washington, *Is it "land to the tiller!" or land to the builder? Notes on post-socialist urbanism in Addis Ababa, Ethiopia.***8:40** Binh Thanh Nguyen*, Hanoi Architectural University, *Urban development dilemmas in Vietnam.***9:00** Emmanuelle Peyvel*, Institute of East Asian Studies (IAO, Lyon, UMR 5062); Marie Gibert, University Paris 1 Pantheon-Sorbonne, PRODIG Research Center (CNRS) ? Paris, *Reshaping of Post-socialist Ho Chi Minh City: An Approach through Leisure and Urban Practices.***2102. Payments for Ecosystem Services: Paths toward Sustainability--Session I (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)***Room: Beaudry B, Westin, Lobby Level (Paper Session)*

ORGANIZER(S): Li An, San Diego State University; Alex I. Zvoleff, San Diego State University

CHAIR(S): Sarah Wandersee, SDSU Geography

8:00 Ruxandra Popovici*, Duke University, *The role of the state in the formation of markets for hydrological services in Mexico.***8:20** Li An*, San Diego State University; Xiaodong Chen, University of North Carolina, Chapel Hill; Sarah Wandersee, San Diego State University; Shuang Yang, San Diego State University; Alex Zvoleff, San Diego State University, *Payments for ecosystem services: a coupled natural and human systems approach.***8:40** Heejun Chang*, Portland State University; Samantha Hamlin, Portland State University; Wes Hoyer, Portland State University; Dave Ervin, Portland State University; Bobby Cochran, Willamette Partnership, *Payments for Water-Related Ecosystem Services addressing the Impacts of Climate Change and Urban Development in the Lower Willamette Valley.***9:00** Sarah Wandersee*, San Diego State University, Geography; Li An, PhD, San Diego State University, Geography; Yeqin Yang, Fanjingshan National Nature Reserve, *National plans, local rules: An analysis of China's sloped land conversion program implementation in a high priority conservation area.***9:20** Leah Bremer, Ph.D.*, The Natural Capital Project, Stanford University; Kathleen A Farley, Ph.D., San Diego State University; Carol P Harden, Ph.D., University of Tennessee, *Tradeoffs in carbon storage and plant diversity with land-use changes promoted by payment for ecosystem services (PES) programs in Ecuadorian páramo grasslands.***2103. Author Meets Critics: "Sacred Subdivisions: The Postsuburban Transformation of American Evangelicalism" by Justin Wilford (Sponsored by Urban Geography Specialty Group, Geography of Religions and Belief Systems Specialty Group)***Room: La Brea, Westin, Lobby Level (Panel Session)*

ORGANIZER(S): Tristan Sturm, York University

CHAIR(S): Tristan Sturm, York University

Discussant(s): Nicolas Howe, Williams College; Justin Wilford, University of California Los Angeles

Panelists: Elizabeth Olson, UNC-Chapel Hill; Justin Beaumont, University of Groningen; Banu Gokariksel, University of North Carolina, Chapel Hill; Paul J Maginn, University of Western Australia

2104. The vacant land dilemma/opportunity for cities in transition I*Room: La Cienega, Westin, Lobby Level (Paper Session)*

ORGANIZER(S): Susan Lucas, Temple University; Hamil Pearsall, Clark University

CHAIR(S): Susan Lucas, Temple University

Introducer: Susan Lucas

8:05 Sig Langeegger, PhD*, University of Colorado Denver, *Public space in Beijing's Chengzhongcun: Is it China's past, its future, or aspects of both?***8:25** Christopher Ling*, Royal Roads University, *The Enhancement of Community Vitality Through Multi-functional Restoration of Post-industrial Landscape.***8:45** Kelsey Nowakowski, MA Candidate '13*, Department of Geography and Planning, University of Toronto, *Exploring alternatives to foreclosure: land banking and the case for community land trusts in Toledo, Ohio.***9:05** Teresa Anderson-Sharma*, California State University, Long Beach, *Understanding Cooperative Gardening at Unity Farm: A Primer on the Collaborative Structure and the Cultivation of Community.*

Discussant(s): Yuki Kato, Tulane University

2105. Legacies of Extraction I (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)*Room: Los Cerritos, Westin, Lobby Level (Paper Session)*

ORGANIZER(S): Matthew Himley, Illinois State University; Tomas Frederiksen, University of Manchester

CHAIR(S): Matthew Himley, Illinois State University

8:00 Elvin Delgado, Ph.D.*, Central Washington University, *Re-defining the Nation's Sub-soil: The History of Oil Politics in Venezuela.***8:20** Ian MacLachlan*, University of Lethbridge, *Oil Industry Dynamics in the Post World War II Era: Obsolete Bargains and the Shift to Market-oriented Refineries.***8:40** Tomas Frederiksen*, University of Manchester, *History repeated? Struggles over mining regulation in Zambia since 1890.***9:00** Astra Bonini*, Columbia University, *The Rise of China: Implications for Raw Material Producing Countries in Comparative Historical Perspective.*

Discussant(s): Gavin Bridge, University of Manchester

2106. Making alternative food systems work V: How can universities and researchers help? Action research and collaboration (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)*Room: Los Feliz, Westin, Lobby Level (Paper Session)*

ORGANIZER(S): Ryan E. Galt, University of California, Davis; Liz Carlisle, UC Berkeley

CHAIR(S): Tracy Lerman

8:00 John Adams Armstrong, Cornell University; Katharine Bradley*, UC Davis, Center for Popular Research Education and Policy; Melvin Leroy Arthur, University of Wyoming; Hank Herrera, Center for Popular Research Education and Policy; Megan M. Gregory, Cornell University; Christine Porter, University of Wyoming, *Making Academics Work for Justice-Oriented Food Networks: Graduate Student Experiences in Food Dignity.***8:20** Nathan McClintock*, Portland State University, *Urban agriculture, participatory action political ecology, and the art of the possible.*

WEDNESDAY, APRIL 10 • 8:00 AM - 9:40 AM • 2100

8:40 Kristin Reynolds, Ph.D.*, The New School for Public Engagement, *Emboldening urban agriculture for social justice in New York City: Performativity of knowledge and activist praxes.*

9:00 Heather Frambach*, University of Texas at Austin, *Farms, Markets, and Institutions: Mapping the roles of the university and the city in the Central Texas foodshed.*

9:20 David C Campbell, PhD, UC Davis; Ildi Carlisle-Cummins*, UC Davis; Gail Feenstra, PhD, UC Davis Agricultural Sustainability Institute, *Community Food Systems: Strengthening the Research to Practice Continuum.*

2107. From cluster to process? New economic geographic perspectives on knowledge generation I: Temporary Co-Presence

Room: *Palos Verdes, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Sebastian Henn, Leibniz-Institute for Regional Geography

CHAIR(S): Jussi S. Jauhiainen, University of Turku

8:00 Harald Bathelt*, University of Toronto; Sebastian Henn, Leibniz-Institute for Regional Geography, *The Wider Geographies of Knowledge Creation and Circulation over Distance.*

8:20 Anna Growe*, University of Freiburg, Institute of Cultural Geography, *The strategic use of temporary spatial proximity for knowledge creation and exchange.*

8:40 Peter Dörrenbächer*, Saarland University; Anders Larsson, Gothenburg University; Christoph Hahn, Saarland University, *Time-space coordination of knowledge and cluster life-cycles: Adaptation, transformation and the role of policy.*

9:00 Cheng-Yi Lin*, Department of Social and Regional Development, National Taipei University of Education, Taipei, Taiwan (R.O.C.), *The reputation-building process and spatial strategies of the creative industries: How do Taipei design companies build their reputation within the regional economy?.*

2108. Another City is Possible: Race, Class, and Activism in Los Angeles (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)

Room: *San Bernardino, Westin, Lobby Level* (Panel Session)
ORGANIZER(S): Jordan T Camp, University of California, Los Angeles (UCLA) Afro-American Studies

CHAIR(S): Daniel Widener, UC San Diego

Discussant(s): Christina Heatherton, CUNY Center for Place, Culture, and Politics

Panelists: Pete White, Los Angeles Community Action Network; Tammy Luu, Labor/Community Strategy Center; Jordan T Camp, University of California, Los Angeles (UCLA) Afro-American Studies; Steven Osuna

2109. Africa V - Politics, Engagement and Empowerment (Sponsored by Africa Specialty Group)

Room: *San Fernando, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus

CHAIR(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus

8:00 Aaron de Grassi*, University of California, Berkeley, *Rethinking Geographies of the State in Africa: Spatial Relations in Angola and Beyond.*

8:20 Victoria Alapo*, Metropolitan Community College, *The Neglected Continent: Africa's Contribution to Geographic Paradigms, Theories & Methods.*

8:40 Rosalind Fredericks, PhD*, New York University, *Spaces of Democracy: Hip Hop and Youth Politics during the Elections of 2012 in Dakar, Senegal.*

Discussant(s): Iddrisu Adam, University of Wisconsin - Marshfield Campus

2110. A People's Guide to Los Angeles: (Re)Positioning the L.A. Landscape. (Sponsored by Global Urbanization)

Room: *San Gabriel A, Westin, Lobby Level* (Panel Session)
ORGANIZER(S): Lorena Munoz, University of Minnesota
CHAIR(S): Lorena Munoz, University of Minnesota
Panelists: Benjamin F. Timms, Cal Poly; Richard Walker, University of California-Berkeley; Don Mitchell, Syracuse University; Laura Barraclough, Kalamazoo College; Laura Pulido, University of Southern California; Wendy Cheng, Arizona State University

2111. Economic Geography I - Evolutionary Economic Geography: Theory, Models, and Policy (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)

Room: *San Gabriel B, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Dieter F. Kogler, University College Dublin; Maryann Feldman

CHAIR(S): Dieter F. Kogler, University College Dublin

8:00 Helen Lawton Smith*, Birkbeck University of London; Rupert Waters, Birkbeck, University of London, *Understanding the Role of the State: Evolutionary Economic Geography and Regional Entrepreneurship and Innovation Policies.*

8:20 Paul Plummer*, University of Western Australia; Matthew Tonts, University of Western Australia, *Greek Letter Writing, Local Models and the Evolution of a Staples Economy: the Pilbara mining region of Western Australia, 1984-2010.*

8:40 Paivi Oinas*, University of Turku, Turku School of Economics, *Explaining regional evolution: What is related in "related variety"?*

9:00 Christopher S Fowler*, Pennsylvania State University, *Agglomeration economies in the presence of tax competition: assessing the role of general equilibrium in model outcomes.*

Discussant(s): Ron Boschma, Utrecht University

2112. Retail & Business Geography I (Sponsored by Business Geography Specialty Group)

Room: *San Gabriel C, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Tony Hernandez, Ryerson University
CHAIR(S): Tony Hernandez, Ryerson University
Introducer: Tony Hernandez

8:05 Shuguang Wang*, Ryerson University; Neil Ossher, Ryerson University, *Adjusting Population Projection Models Using Ancillary Data on Residential Development.*

8:25 Eric de Noronha Vaz, PhD*, Ryerson University, Department of Geography, Toronto, Canada; Daniel Galati, Ryerson University, Department of Geography, Toronto, Canada; Brian Ceh, PhD, Ryerson University, Department of Geography, Toronto Canada; Shailendra Kumar, PhD, Management Development Institute, Gurgaon, India, *A Spatial Analysis of the influence of urban centrality for the business landscape of Mumbai, India.*

8:45 Brian Ceh, Ph.D.*, Ryerson University; Tony Hernandez, Ph.D., Ryerson University, *New Urbanism Meets Retail: the Canadian Experience.*

9:05 Tony Hernandez*, Ryerson University; Andrew Murray, Ryerson University; Christopher Daniel, Ryerson University, *Major Retail Chains and the Canadian Urban System.*

2114. Phenology of Wildlife and Ecosystems: Observations, Relationships and Research (Sponsored by Biogeography Specialty Group)

Room: *Santa Anita A, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Miguel Villarreal, U.S. Geological Survey
CHAIR(S): Miguel Villarreal, U.S. Geological Survey

WEDNESDAY, APRIL 10 • 8:00 AM - 9:40 AM • 2100

- 8:00** Nate Currit, PhD*, Texas State University - San Marcos, *Phenological Change Along an Elevation Gradient in a Sky Island Watershed.*
- 8:20** Taehee Hwang*, University of North Carolina at Chapel Hill; Lawrence E Band, University of North Carolina at Chapel Hill; Conghe Song, University of North Carolina at Chapel Hill; Paul V Bolstad, University of Minnesota; James M Vose, USDA Forest Service; Jason P Love, University of Georgia; Thomas J Prebyl, University of Georgia; Jeff Hepinstall-Cymerman, University of Georgia, *Landscape-scale forest senescence patterns as a diagnostic of ecosystem vulnerability to climate change.*
- 8:40** Travis M. Bean*, School of Natural Resources and Environment, University of Arizona; Steven E. Smith, PhD., School of Natural Resources and Environment, University of Arizona, *Predicting buffelgrass greenup based on antecedent weather and ground-based remote sensing.*
- 9:00** Mary C. Henry*, Miami University, *Monitoring Invasive Shrub Dynamics using Landsat Time Series Data in Southwest Ohio.*
- 9:20** Miguel L Villarreal*, U.S. Geological Survey; Joel B. Sankey, U.S. Geological Survey; Leila Gass, U.S. Geological Survey; Cynthia S.A. Wallace, U.S. Geological Survey; Roy Petrakis, University of Arizona; Jack L Childs, Borderlands Jaguar Detection Project, *Spatial and temporal patterns of wildlife activity related to landscape phenology, wildfire, and predator distributions.*
- 2117. Feminist Engagements with Health, Capitalism, and the Body I (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Health and Medical Geography Specialty Group)**
Room: Santa Barbara A, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Michele Flippo Bolduc, University of Kentucky
 CHAIR(S): Michele Flippo Bolduc, University of Kentucky
8:00 Gentry Hanks*, Queen's University, *An Autoethnography of Diabetes: Exploring Emotional Geographies of (In) Visible Disabilities.*
8:20 Maggie Ornstein-Sloan, MA, MPH, MPH*, CUNY Graduate Center, *What's my/your/our story? Exploring caregiving through autoethnography.*
8:40 Paul Jackson*, Dartmouth College, *Lost in "Generation Rescue": Mommy Warriors, Autistic Children, and the Science in Environmental Justice.*
9:00 Michele Flippo Bolduc*, University of Kentucky, *Humanitarian Aid and the Politics of Birth in Haiti.*
 Discussant(s): Julie Guthman, Univ of California Santa Cruz
- 2118. CyberGIS Symposium: Frontiers and Roadmaps - Academic Viewpoints (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Santa Barbara B, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Budhendra Bhaduri, Oak Ridge National Laboratory
 CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign
 Discussant(s): Michael Goodchild, University of California - Santa Barbara
 Panelists: Krzysztof Janowicz; Xinyue Ye, Bowling Green State University; Daniel Goldberg, Texas A&M University; Chaowei Yang, George Mason University
- 2119. Development Geography: Can critical perspectives exist in policy and implementation? 1 (Sponsored by Development Geographies Specialty Group)**
Room: Santa Barbara C, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): David Simon, Royal Holloway, University of London; Ed Carr, University of South Carolina
 CHAIR(S): David Simon, Royal Holloway, University of London
 Introducer: David Simon
 Discussant(s): Brent McCusker, West Virginia University
 Panelists: Shuaib Lwasa; Farhana Sultana, Syracuse University
- 2120. Marginality, Risk, Rights and Human Development - Session I (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Development Geographies Specialty Group)**
Room: Sacramento, Westin, Level 2 (Panel Session)
 ORGANIZER(S): JC Gaillard, The University of Auckland; Ben Wisner, Independent Scholar
 CHAIR(S): Ben Wisner, Independent Scholar
 Discussant(s): Ben Wisner, Independent Scholar; Maureen Fordham, Northumbria University
 Panelists: Kim Hagen, Open University; Brian R Cook, The University of Melbourne; Andrew Gorman-Murray, University of Western Sydney
- 2121. Climate Change as Hegemony: Rethinking Development, Democracy and Knowledge (Sponsored by Climate Change, Variability, Adaptation and Justice)**
Room: San Diego, Westin, Level 2 (Panel Session)
 ORGANIZER(S): Pamela McElwee, Rutgers
 CHAIR(S): Jesse Ribot, University of Illinois
 Panelists: Andrew S. Mathews, Department of Anthropology, UC Santa Cruz; Pamela McElwee, Rutgers; Barbara Haya, University of California at Berkeley; Heidi Hausermann, Rutgers University; Janette Bulkan, University of British Columbia
- 2122. Connecting Food Justice and Environmental Justice (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)**
Room: San Francisco, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Bhavna Shamasunder, Occidental College
 CHAIR(S): Bhavna Shamasunder, Occidental College
8:00 Kathryn P DeMaster, PhD*, UC-Berkeley, *Making the Road by Mapping: Radical Cartographic Approaches to the Providence, Rhode Island Foodshed.*
8:20 Mari Galup*, University of Arizona, *"Searching for a Halo: Monsanto, GM seeds and the search for authenticity".*
8:40 Shannon Tyman*, University of Washington, *Food System Mapping: Teaching for Radical Change.*
9:00 Bhavna Shamasunder, Ph.D.*, Occidental College, *Farm to Plate: Addressing the Environmental Justice Implications of Chemical Body Burden Disparities Through Food.*
- 2123. Practicing Geography I: Undergraduate Research and Problem-Based Learning (Sponsored by Enhancing Departments and Graduate Education project (EDGE))**
Room: San Jose, Westin, Level 2 (Illustrated Paper Session)
 ORGANIZER(S): JoAnn (Jodi) Vender, Pennsylvania State Univ
 CHAIR(S): JoAnn (Jodi) Vender, Pennsylvania State Univ
8:00 Richard Forensky*, Florida International University, *Desiccation of the Aral Sea: Learning from Disaster.*
8:10 Jonathan Finnie*, University of Kentucky; Joanna Parkman*, Sewanee: The University of the South; Timothy Hawthorne, Georgia State University; Leslie Edwards, Georgia State University, *Developing a Participatory GIS Methodology for Mapping Elements of Urban Greenspace.*
8:20 Branden Belajac*, Penn State University, *"The T": How Well Does Pittsburgh's Public Transit System Serve*

WEDNESDAY, APRIL 10 • 8:00 AM - 9:40 AM • 2100

Local Populations?.

8:30 Yiting Ju*, Penn State; Cynthia A. Brewer, Penn State, *Schematization of Maps: Suggestions about Subway Data.*

8:40 Ariel B. Alvarez*, Penn State, *Participatory Planning or Gentrification?.*

8:50 Kira B Smith*, Penn State University, *The American Almshouse.*

9:00 Anne Kara Harris*, Penn State University, *In the GIS Lab: Creating a GIS Project vs. Following Directions.*

9:10 Timothy R Heckman*, Penn State University, *McDonald's Site Selection: Lancaster County, PA.*

2124. Promoting Diversity in Geography: Strategies to Improve Inclusion, Broaden Participation, and Assess Actions

Room: *Avalon, Westin, Level 3* (Meeting Session)

ORGANIZER(S): Kenneth E. Foote, University of Colorado

*** Continued into next slot, 2224

2125. Cities as First Responders: The Second Assessment Report on Climate Change and Cities (ARC3-2) and How to Become Part of Urban Climate Change Research Network and Its Ongoing Work (Sponsored by Climate Change, Variability, Adaptation and Justice)

Room: *Emerald Bay, Westin, Level 3* (Panel Session)

ORGANIZER(S): William Solecki, Hunter College

CHAIR(S): William Solecki, Hunter College

Introducer: William Solecki

2127. On Peter Sloterdijk: Geography, Spheres, and Beyond I

Room: *Santa Monica B, Westin, Level 3* (Panel Session)

ORGANIZER(S): Oliver Belcher, University of British Columbia

CHAIR(S): Oliver Belcher, University of British Columbia

Panelists: Peter Adey, Royal Holloway, University of London; Suvi Alt; Jose Luis Romanillos, University of Exeter; Keith Woodward, University of Wisconsin-Madison

2128. The Socio-Ecological Fix I

Room: *Santa Monica B, Westin, Level 3* (Paper Session)

ORGANIZER(S): Michael Ekers, University of Toronto,

Scarborough; Scott Prudham, University of Toronto

CHAIR(S): Michael Ekers, University of Toronto, Scarborough

8:00 James McCarthy*, Clark University, *A socio-ecological fix to climate change and the end of fossil fuels?.*

8:20 Thorben Wieditz*, York University, *The Struggle for Employment Lands in Toronto: The case of the East Toronto Community Coalition.*

8:40 Leigh Johnson*, University of Zurich, *Catastrophic fixes? Cyclical devaluation and accumulation through climate change impacts.*

9:00 Anna Zalik, PhD*, York University, *'Resource Sterilization': The Muskeg River Diversion and the contractions of the socio-ecological fix.*

Discussant(s): Becky Mansfield, The Ohio State University

2129. Asia On The Move I: Migration, Strategies and Regulatory Regimes (Sponsored by Asian Geography Specialty Group, Cultural Geography Specialty Group, Ethnic Geography Specialty Group)

Room: *Santa Monica C, Westin, Level 3* (Paper Session)

ORGANIZER(S): Weiqiang Lin, Royal Holloway, University of London

CHAIR(S): Weiqiang Lin, Royal Holloway, University of London

8:00 Sin Yee Koh*, London School of Economics & Political Science, *'Outstation': Malaysian Citizenship and a Culture of Migration.*

8:20 Allison Hui*, Hong Kong Baptist University, *Normal mobilities and future trajectories: Hong Kong migration and an Asian mobilities agenda.*

8:40 Kyonghwan Park*, Chonnam National University, *Neoliberalization and Dualization of the National*

Immigration Policies in South Korea.

9:00 Francis L Collins*, University of Auckland, *Urban Materialities and Migrant Lives: South East Asian labour migrants in Seoul, South Korea.*

Discussant(s): Elaine Ho, National University of Singapore

2134. Riparian Zones: Aquatic and Terrestrial Interactions (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)

Room: *Laguna Parlor 3024, Westin, 30th Floor* (Paper Session)

ORGANIZER(S): Adriana Martinez, University of Oregon;

Suzanne Walther, Utah Valley University

CHAIR(S): Suzanne Walther, Utah Valley University

8:00 Caixia Wang*, Missouri State University; Robert T. Pavlowsky, Missouri State University; Lindsay M. Olson, Missouri State University, *Gravel Bar Detection Using Object-Based Image Analysis for Remote Sensing, Big River, SE Missouri.*

8:20 Suzanne Walther*, Utah Valley University, *Thirty years of channel and land cover change: implications for management and restoration of the Jordan River, Utah.*

8:40 Adriana Martinez*, University of Oregon, *Quantifying Roughness: Flexible Riparian Vegetation and Mannings "n".*

9:00 Derek J. Martin*, University of Tennessee, *Large woody debris in an Ozarks river: implications for sediment storage.*

9:20 Jane Atha*, University of Oregon, *Thirty Years of Fluvial Wood Dynamics and Patterns in the Oregon Coast Range.*

2135. Borders, nature, and environmental governance (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Borders)

Room: *Laguna Parlor 3028, Westin, 30th Floor* (Paper Session)

ORGANIZER(S): Ryan Covington, University of Wisconsin-Milwaukee; Kathleen Williams, University of Wisconsin-Milwaukee

CHAIR(S): Ryan Covington, University of Wisconsin-Milwaukee

8:00 Ryan Holifield, PhD, University of Wisconsin-Milwaukee; Kathleen Williams*, University of Wisconsin-Milwaukee; Ryan Covington, University of Wisconsin-Milwaukee, *Bridges and barriers: Exploring stakeholder participation in the borderlands.*

8:20 Janet C Sturgeon*, Simon Fraser University, *Borderland Minorities, Landscape Transformations, and Regionalization.*

8:40 Borna Fuerst-Bjelis*, University of Zagreb; Anamarija Durbežic, Croatian Forests; Marin Cvitanovic, University of Zagreb, *Borderlands, marginality, environment: The Croatian interplay.*

9:00 Emma S. Norman, PhD*, Michigan Technological University, *The Citizen, the State, and Environmental Governance: How citizen scientists and regional constructions are reshaping transborder water governance.*

9:20 Alex M Horangic*, University Nevada Reno, *Stakeholder Participation in Negotiated Watershed Agreements: A Case Study from the Klamath River Basin.*

2136. Multiple Militarisms I (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Development Geographies Specialty Group)

Room: *Laguna Parlor 3044, Westin, 30th Floor* (Paper Session)

ORGANIZER(S): Jennifer Greenburg, University of California Berkeley; Ellen Moore, University of California, Berkeley

CHAIR(S): Ellen Moore, University of California, Berkeley

8:00 David Vine, American University*, *American University, Base Nation: Military Bases Overseas and the*

WEDNESDAY, APRIL 10 • 8:00 AM - 9:40 AM • 2100*Foundations of Militarism.*

8:20 Melanie Armstrong*, University of California, Davis,
"Clean Hands Save Lives," Citizen Soldiers in the War on Germs.

8:40 Jennifer Greenburg*, University of California Berkeley, *The Weaponization of Humanitarianism and Development.*

9:00 Naomi Stone, Phd Candidate*, Columbia University, *Human Technologies in the Iraq War.*

Discussant(s): Sasha Davis, University of Hawaii - Hilo

2137. French Geopolitics in Action (1): Research projects in the US (Sponsored by Political Geography Specialty Group, European Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Guntram Herb, Middlebury College; Frederick Douzet, French Institute of Geopolitics, University of Paris 8

CHAIR(S): Mathilde Costil, Institut Français de Géopolitique

8:00 Yohann Le Moigne, PhD candidate*, French Institute of Geopolitics, University of Paris 8, *Gang Territories and 'Race' Rivalries in Compton, California.*

8:20 Hugo Lefebvre*, Institut Français de Géopolitique, *Subprimes and Foreclosures crisis in the Northern San Joaquin Valley.*

8:40 Come A Perotin*, French School of Geopolitics, *Hasidic Jews in Williamsburg, Brooklyn, and gentrification: new frontiers?.*

2138. Place and Branding

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Taro Futamura, Doshisha University

8:00 Tuomas Ilmavirta*, YTK - Land Use Planning and Urban Studies Group / Aalto University, *Branding and Urban Development - Research Plan - Case Helsinki.*

8:20 Ramzi Farhat, Ph.D.*, California State Polytechnic University, Pomona, *Battle of the brands: Place-making under conditions of economic precarity.*

8:40 Callie Tysdal*, Macalester College, *Rural Renaissance: The Revitalization of Rapid City, South Dakota.*

9:00 Doreen Fumia, Associate Professor*, Ryerson University; Nashwa Salem, PhD candidate*, University of Toronto, *Toronto Neighborhoods: A Case Study in Weston-Mt Dennis.*

9:20 Taro Futamura*, Doshisha University; Kazuaki Sugiyama, Ryutsu Keizai University, *Dark Side of the Nightscape: Emergence of Izakaya Chains and Changing Landscapes of Entertainment Districts in Japanese Cities.*

2139. Tourist Geography I

Room: Laguna Parlor 3068, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Grant Saff, Hofstra University

8:00 Changsup Shim*, University of Illinois at Urbana-Champaign; Patrick T Vargas, Ph.D., University of Illinois at Urbana-Champaign; Carla Almeida Santos, Ph.D., University of Illinois at Urbana-Champaign, *A Quantitative Analysis of Orientalism as a Destination Image.*

8:20 JI GANG BAO*, Sun Yat-Sen University; Jiu Xia Sun, Sun Yat-Sen University, *Community Participation in Tourism of Yubeng Village: Means of Participation and Its Significance for Empowerment.*

8:40 Cristiana Zara*, Royal Holloway, University of London, *Reframing landscape: Hindu practices of vision and the construction of a 'spiritual' tourist gaze.*

9:00 Grant Saff*, Hofstra University, *China's Golf Obsession: Golf and the Contradictions of eco-tourism in Hainan, China..*

9:20 Rose Aslan*, University of North Carolina at Chapel Hill,

The Simultaneity of Places: The Sacred and Secular at Rumi's Museum in Turkey.

2140. Surveillance, Control and Security in Latin America - 1 (Sponsored by Study of the American South Specialty Group, Cyberinfrastructure Specialty Group, Latin America Specialty Group)

Room: Malibu Parlor 3018, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Lucas Melgaço, Vrije Universiteit Brussel; Nelson Arteaga Botello, Universidad Autónoma del Estado de México

CHAIR(S): Lucas Melgaço, Vrije Universiteit Brussel

8:00 Miguel Angel Vite, Doctor in Sociology*, University of Alicante; Miguel Angel Vite Perez, Doctor in Sociology, University of Alicante, *Mexican Society of Surveillance: Towards a global management of crime?.*

8:20 Claudia Zamorano*, Center of Research and Advanced Studies in Social Anthropology (CIESAS), Mexico, *Challenges of the privatization of security and the production of space in a Mexican metropolis.*

8:40 Nelson Arteaga Botello*, Universidad Autónoma del Estado de México, *Surveillance Regulation in Mexico.*

9:00 Lindsey Carte*, University of Texas at Austin, *Everyday restriction, low-level bureaucrats and Central American immigrant belonging on the Mexico-Guatemala border.*

9:20 Violaine Jolivet*, Université de Montréal; Marcos Feldman, Research Institute on Social & Economic Policy Center for Labor Research & Studies, *Eyes on Little Havana: Security, control and surveillance in the heart of the Hispanic Miami..*

2141. Urban Metabolism, Theory and Practice (Sponsored by Urban Geography Specialty Group, Energy and Environment Specialty Group)

Room: Malibu Parlor 3038, Westin, 30th Floor (Panel Session)

ORGANIZER(S): Stephanie Pincetl, University of California; Mikhail Chester, Arizona State University

CHAIR(S): Stephanie Pincetl, University of California

Introducer: Stephanie Pincetl

Discussant(s): James Evans, University of Manchester

Panelists: Mikhail Chester, Arizona State University; Sinnott Murphy, University of California, Los Angeles (UCLA); Giovanni Circella, University of California, Davis; Joe Krahe

2142. Chinese cities in transition (Sponsored by China Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group, Symposium on New Geographies of Urban China)

Room: Malibu Parlor 3058, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Wei Xu, University of Lethbridge

CHAIR(S): Roger Chan, The University of Hong Kong

8:00 Roger Chan*, The University of Hong Kong, *New Urban Space in the Pearl River Delta Region.*

8:20 Yingjie Hu*, Peking University; Bin Lu, Peking University, *The Interaction between Different Actors in the Landuse Transformation of Development Zone in China.*

8:40 Mihran W Kazandjian*, Kent State University, *Living Low in Mountain City: Low-Income Housing in Chongqing, China during the 2000s.*

9:00 Xiaoxia XU*, The University of Hong Kong; Roger, C.K. Chan, The University of Hong Kong, *State, scale and production of new state space in China.*

9:20 Huiwei Chen*, Department of Urban Planning and Design, The University of Hong Kong; Roger C.K. Chan, Dr., Department of Urban Planning and Design, The University of Hong Kong, *The Location of Subsidized Housing and its Impacts on Urban Poverty - Evidence from Guangzhou, China.*

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- 2143. Chinese Governmentalities (Sponsored by China Specialty Group, Cultural Geography Specialty Group)**
Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Yang Yang, University of Colorado at Boulder; Tim Oakes, University of Colorado
 CHAIR(S): Yang Yang, University of Colorado at Boulder
8:00 Yang Yang*, University of Colorado at Boulder, *Becoming Qualified Minorities? Suzhi and Minority Education in the Contemporary Hui Muslim Communities in Xi'an, China.*
8:20 Léo Kloeckner*, ENS de Lyon, *Shaping visibility and citizenship - governing the Chinese city through images.*
8:40 Tim Oakes*, University of Colorado, *Leisure as governable space: consumption, citizenship, and governmentality in China's leisure developments.*
9:00 Carolyn Cartier*, University of Technology, Sydney, *Regional Governmentalities in China: Vectors of Territorialization in Hong Kong and the Pearl River Delta.*
 Discussant(s): Reuben Rose-Redwood, University of Victoria
- 2144. Travel, Visitation, and Transportation in the Parks (Sponsored by Recreation, Tourism, and Sport Specialty Group, Transportation Geography Specialty Group)**
Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Joe Weber, University of Alabama; Selima Sultana, University of North Carolina-Greensboro
 CHAIR(S): Joe Weber, University of Alabama
8:00 Luke Miller, University of Northern Iowa; Jason Doolittle, Federal Highway Administration; Tim Strauss*, University of Northern Iowa; Elijah Henley, Federal Highway Administration, *The Integration of Land Use and Transportation Planning in the Federal Lands Context Using GIS.*
8:20 Kyunghye Lee*, Texas A&M Univ; Michael A Schuett, Ph.D, Texas A&M Univ, *Estimating Demand of U.S. National Park Visitation using Geographically Weighted Regression (GWR).*
8:40 Sandra Wall-Reinius*, Mid Sweden University; Dimitri Ioannides, Mid Sweden University, *Past, present and future transportation to peripheral recreational and protected areas in Sweden.*
9:00 Samaneh Tabrizi*, Student at Texas Tech University; Tina Delahunty, Texas Tech University, *Recreational Trail Development for Doe Mountain, Tennessee: A Geospatial Approach.*
9:20 Joe Weber*, University of Alabama; Selima Sultana, University of North Carolina at Greensboro, *"Not for kings or Noblemen? but for Everyone, for all Time": Revisiting the National Park System in a Racially Diverse America.*
- 2145. Cyberlearning, Geogames, and Geodesign (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Geography Education Specialty Group)**
Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Michael N. DeMers, New Mexico State University
 CHAIR(S): Michael N. DeMers, New Mexico State University
8:00 Michael N. DeMers*, New Mexico State University; Anna Klimaszewski-Patterson, MAG, University of Nevada Reno; Rebecca Richman, New Mexico State University; Sean Ahern, PhD, Hunter College City University of New York; Brandon Plewe, PhD, Brigham Young University; André Skupin, PhD, San Diego State University, *Toward a 3-D Immersive Virtual Exploratorium for the GIS&T Body of Knowledge.*
8:20 David Massey*, The Ohio State University; Kiril Vatev, The Ohio State University; Johnathan Rush, The Ohio State University; Karl Ola Ahlqvist, The Ohio State University, *A Massively Multi-user Online Framework for Spatial Agent-Based Simulation.*
8:40 Stephen A. McElroy, Ph.D., GISP*, American Sentinel University, *Online Geospatial Learning Lab as an Innovative Educational Strategy.*
- 2146. Post-Socialist Cities Revisited (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Global Urbanization, Landscape Specialty Group)**
Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Michelle Metro-Roland, Western Michigan University; Diana Ter-Ghazaryan
 CHAIR(S): Michelle Metro-Roland, Western Michigan University
8:00 Orhon Myadar*, University of Arizona, School of Geography and Development, *'Reading' the cityscape of post-Soviet Ulaanbaatar, Mongolia.*
8:20 Michelle Metro-Roland*, Western Michigan University, *The Post-Socialist Experience: A Subjective Attempt at an Objective Description.*
8:40 Diana Ter-Ghazaryan*, University of Miami, Dept. of Geography, *"Fighting for Our Spaces:" Protest Movements and Community Activism in the Landscape of Yerevan, Armenia.*
9:00 Tadeusz Strykiewicz*, Adam Mickiewicz University, Poland, *Urban shrinkage and the post-socialist transformation in East-Central Europe.*
9:20 Olga Medvedkov, professor of geography*, Wittenberg University; Yuri Medvedkov*, Ohio State University, *Moscow Overbounded: geopolitical implications.*
- 2150. Youth, the Borderlands, and the Spaces in Between I: Spaces of Belonging (Sponsored by Sexuality and Space Specialty Group, Borders, Indigenous Peoples Specialty Group)**
Room: Angeleno, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Denise Dixon Goerisch, San Diego State University; Blake Hawkins, University of Northern British Columbia
 CHAIR(S): Blake Hawkins, University of Northern British Columbia
8:00 Julia de Montigny*, Concordia University, *Spaces of inclusion and exclusion: Toward a queer and trans youth geography in Montreal.*
8:20 Itta Bauer, Dr.*, Universität Zürich, *Navigating through the borderlands of youth and education.*
8:40 Muriel Monnard*, Geneva University, *Interspaces in School: Emblematic Places For Youth Negotiation of Identities.*
9:00 Sahar Romani*, University of Oxford, *Between Empowerment and Immobility: Youth growing up with NGOs in India.*
 Discussant(s): Stuart C. Aitken, San Diego State University
- 2151. On the Question of Violence in the Humanitarian Present I (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Patricia J Lopez, University of Washington; Lisa Bhungalia, Syracuse University
 CHAIR(S): Lisa Bhungalia, Syracuse University
8:00 David J Marshall*, University of Kentucky, *Child Protection: Trauma, governmentality, and the threatening Palestinian child.*
8:20 Wesley L Attewell*, The University of British Columbia, *Operating in the margins: USAID, (alternative) development, and the (counter)insurgent geographies of the Cold War.*
8:40 Rebecca Clouser*, Indiana University, *Historical and contemporary linkages between security, fear and aid*

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in Guatemala.

- 9:00** Patricia J Lopez*, University of Washington, *Clumsy beginnings: The shifting violence of humanitarian intervention from 'modernizing mission' to development projects in the first U.S. occupation of Haiti.*

Discussant(s): Ron J Smith, University of Washington

2152. New Frontiers for Research and Engagement in African Conservation Landscapes (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Grand Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Timothy D. Baird, Virginia Tech; Joel Hartter
CHAIR(S): Timothy D. Baird, Virginia Tech

- 8:00** Clare Gupta*, Yale University, *Looking across spatial scales to assess the influence of protected areas on human demography and livelihoods in Botswana.*

- 8:20** Justin Brashares*, UC-Berkeley; Moses Kofi Sam, Ghana Wildlife Division; Grace V. Okello, Bushmeat Monitoring Network; Katie Fiorella, UC Berkeley; Claire Kremen, UC Berkeley; Therese Oduro, Bushmeat Monitoring Network, *Parks as safety nets? Assessing household resistance and resilience to environmental and health shocks in Tanzania and Ghana.*

- 8:40** Jean-Gael E. Collomb, Ph.D.*, Wildlife Conservation Network; Shivani Bhalla, Ewaso Lions; Belinda Mackey, Grevy's Zebra Trust; Peter Lalampaa, Grevy's Zebra Trust; Paul Thomson, Ewaso Lions, *Working from within: Rethinking community engagement for wildlife conservation..*

- 9:00** Susan Charnley, PhD*, USDA Forest Service, Pacific Northwest Research Station; William H. Durham, PhD, Department of Anthropology, Stanford University, *Conservation and Sustainable Livelihoods: Joint Solutions for Environmental Policy Challenges.*

- 9:20** Sadie J Ryan*, SUNY-ESF; Joel Hartter, University of New Hampshire; Michael Palace, University of New Hampshire; Jeremy Diem, Georgia State University; Colin Chapman, McGill University, *Parks, People, and Fragments: Remedying De-coupled Research into Natural-Human Systems.*

2153. The Experience of Graduate School in Geography: Issues and Opportunities (Sponsored by Graduate Student Affinity Group, Enhancing Departments and Graduate Education project (EDGE))

Room: Grand Ballroom Salon 2, The LA Hotel, Level 2 (Panel Session)
ORGANIZER(S): David Parr, Texas State University-San Marcos
CHAIR(S): David Parr, Texas State University-San Marcos
Panelists: Beth Schlemper, University of Toledo; Christina Nicol Bazzaroni, Florida International University; Zia Salim, San Diego State University / University of California, Santa Barbara; Clayton Whitesides, Texas State University; Ann James, Pennsylvania State University; Tometi K Gbedema, UC Davis; Irene Zager, Rutgers University

2154. Policing its Crisis - Berlin between Powerhouse and Poverty (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, European Specialty Group)

Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Jurgen Von Mahs, The New School; Volker Eick, Universität Bremen, Center of European Law and Politics, Faculty of Law
CHAIR(S): Volker Eick, Universität Bremen, Center of European Law and Politics, Faculty of Law
Introducer: Volker Eick

- 8:10** Jens Sambale*, FU Berlin, *Tough Love - and the Sociospatial Arrangement of the Homeless in Berlin.*

- 8:30** Jurgen Von Mahs*, The New School, *Out of Sight-Out of Mind: The Sociospatial exclusion of homelessness people in L.A. and Berlin.*

- 8:50** Andrej Holm*, Humboldt-University Berlin, *The long shadow of Social Housing - How Berlin's austerity lets raise the rents.*

- 9:10** Volker Eick*, Humboldt-Universität zu Berlin, Department of Social Sciences, *Hope Dies Last? Urban Scholars and the Neocommunitarian Policing of Berlin.*

Discussant(s): Jurgen Von Mahs, The New School

2155. The Good, the Bad, and the Ugly of Manuscript Reviewing
Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Derek H Alderman, University of Tennessee
CHAIR(S): Derek H Alderman, University of Tennessee
Introducer: Derek H Alderman

Panelists: Barney Warf, University of Kansas; Mei-Po Kwan, University of Illinois at Urbana-Champaign; Richard Wright, Dartmouth College; Mark Fonstad, University of Oregon; Bruce Braun, University of Minnesota - Minneapolis

2156. Bicycling For Fun and For Profit (Sponsored by Transportation Geography Specialty Group)

Room: Highland, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Tobias Heldt, Dalarna university

- 8:00** Tim Dewland*, Penn State, *An Assessment of Boston's Bicycling Infrastructure.*

- 8:20** Hannah Rice*, Weber State University, *Sustainable Transportation: An Analysis of Bicycle Infrastructure surrounding Weber State University.*

- 8:40** Jen-Jia Lin*, National Taiwan University; Rong-Ying Liao, National Taipei University, *Bikeway network design model for recreational bicycling in scenic areas.*

- 9:00** Tobias Heldt*, Dalarna University; Viktoria Liss, VTI - Swedish National Road and Transport Research Institute, *Planning for Bicycle tourism: Estimating the economic effects of bicycle tourism in two Swedish regions.*

2157. Doing More with Less I: Strategies for Teaching Geography with Shrinking and Shifting Resources (Sponsored by Geography Education Specialty Group)

Room: Hollywood, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): John Hintz, Bloomsburg University of Pennsylvania; Patricia Beyer, Bloomsburg University
CHAIR(S): John Hintz, Bloomsburg University of Pennsylvania
Introducer: Patricia Beyer

Panelists: Sandra Clark, Bridgewater State College; George W White, South Dakota State University; Jason Strange, UC Berkeley; Dawn Hawley, Northern Arizona University; Marcos Luna, Salem State University

2158. Towards Sustainable Resource Governance

Room: Melrose, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Alison Blay-Palmer, Wilfrid Laurier University
CHAIR(S): Alison Blay-Palmer, Wilfrid Laurier University

- 8:00** Karen Landman*, University of Guelph; Alison Blay-Palmer*, Wilfrid Laurier University, *Nourishing Ontario: A study in local, sustainable food systems.*

- 8:20** Phil Mount*, Wilfrid Laurier University, *Neoliberalism and the Localization of Governance.*

- 8:40** Lori Stahlbrand, PhD Candidate*, Wilfrid Laurier University, *Municipal Food Procurement for Sustainability: A Case Study of Markham, Ontario.*

- 9:00** Christine Slade, Ms*, University of the Sunshine Coast; Angela Wardell-Johnson, Dr, University of the Sunshine Coast; Brian Stockwell, Mr, Department

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- of State Development Infrastructure and Planning, *Towards Sustainability in Challenging Times: The Nexus of Governance, Food Systems and Resilience.*
- 9:20** Terry Marsden*, Cardiff University; Alison Blay-Palmer, Wilfrid Laurier University, *Food systems: Transitioning to sustainability? An EU - Canada comparison.*

2159. 'This Must Be the Place': The Evolving Economic Geography of Music I (Sponsored by Economic Geography Specialty Group, Communication Geography Specialty Group)

- Room:** Olvera, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Brian Hrac, Uppsala University; Michael Seman
 CHAIR(S): Brian Hrac, Uppsala University
8:00 Michael Seman*, University of Texas at Arlington, *What if Hewlett and Packard had Started a Band Instead?... Denton, Texas' Music Scene as Economic Cluster and its Broader Implications on the City's Economy..*
8:20 Tarek Virani, PhD*, Queen Mary, University of London, *The hardening of local music scenes: a case study of Dalston, east London..*
8:40 Richard Lloyd*, Vanderbilt University, *The Street, the Row and the Hood: Legacy, Industry and Scene in Nashville.*
9:00 Jimi Nilsson*, Department of Social and Economic Geography, Uppsala university, *Creativity on tour: The growing importance of music festivals for contemporary musicians in Sweden.*
9:20 John Connell*, University of Sydney, *Outback Elvis: musical creativity in rural Australia.*

2160. The Border in the City 1: Illegality, Migration, and Urban Responses to the Criminalization of Migration

- Room:** Olympic, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Jonathan Darling, University of Manchester; Jennifer Ridgley, Center for Place, Culture and Politics
 CHAIR(S): Jonathan Darling, University of Manchester
 Introducer: Jennifer Ridgley
8:20 Sarah Launius*, University of Arizona, *I am Tucson: Prosecutorial Discretion and the Limits of Community.*
8:40 Jen Jean Bagelman*, Durham University, *Temporality and the City of Sanctuary.*
9:00 Hunter Jackson*, CUNY Graduate Center, *Policing and contesting the boundaries of race in Nuevo South Mississippi.*
9:20 Lilika Trikalinou, PhD Candidate*, King's College London, *Rendering the irregulars invisible: the relationship between immigrants and the State.*

2161. Sustainable Tourism and Resilient Tourism (Sponsored by Recreation, Tourism, and Sport Specialty Group)

- Room:** Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Alan A Lew, Northern Arizona University
 CHAIR(S): Alan A Lew, Northern Arizona University
8:00 Alan A Lew, PhD, AICP*, Northern Arizona University, *Tourism Resilience: the New Sustainability for Community Based Tourism.*
8:20 Adelle Thomas, PhD*, College of The Bahamas, *Evolutionary Resilience and Small Tourism Enterprises.*
8:40 Ben Iaquinio*, University of Melbourne, Australia, *Sustainable Backpacker Tourism: low impact or just low budget?.*
9:00 Kishan Datta Bhatta*, Department of Urban Planning and Design, The University of Hong Kong; Roger CK Chan, Department of Urban Planning and Design, The University of Hong Kong, *Sustainable Ecotourism Development: A Critical Examination of Annapurna Conservation Area of Nepal.*
 Discussant(s): Teresa Tao, University of Waterloo

2162. Making Space Public 1

- Room:** Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Kurt Iveson
 CHAIR(S): Kurt Iveson
8:00 Darshan Vigneswaran*, University of Amsterdam, *Segregation of Public Space: Comparing Johannesburg and Mumbai.*
8:20 Stéphane Tonnelat*, CNRS LAVUE, *The publicization of public space.*
8:40 Lynn Staeheli*, Durham University; Don Mitchell, Syracuse University; Kafui Attah, Syracuse University, *Publicly Accessible Space' or 'Spaces of Public Formation, 'but please, don't call it 'Public Space'.*
9:00 Setha Low*, The Graduate Center of the City University of New York, *Spatializing Social Justice: Public Space and Ethnography.*

2163. Take Back the Economy I: Ethics and Methods for Constituting Community Economies (Sponsored by Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

- Room:** Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Stephen Healy, Worcester State University; Jenny Cameron, University of Newcastle
 CHAIR(S): Vincent Del Casino, University of Arizona
8:00 Katherine Gibson*, University of Western Sydney; Jenny Cameron*, University of Newcastle; Stephen Healy, Worcester State University, *From diverse economies to community economies.*
8:20 Rhyall Gordon*, University of Newcastle, *Economic Justice, ethics and the food economy: Food sovereignty economies in Spain and their relational ethics.*
8:40 Stephen Healy*, Worcester State University; Stephen Healy; Jenny Cameron; Katherine Gibson, *Community Economies, Ethics and Metrology.*
9:00 Ann Hill*, Australian National University, *Becoming 'more-than-subjects' of community economies.*
 Discussant(s): Jeff Popke, East Carolina University

2164. Geo-Literacy Campus Challenge

- Room:** Pico, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Justine Kendall, National geographic education
 CHAIR(S): Justine Kendall, National geographic education

2170. Historical Geography: From the Mediterranean and Beyond Athenian, Biltmore, Mezzanine Level (Paper Session)

- Room:** Pico, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Melissa J. Rura, UMNC
 CHAIR(S): Fuzia Elkekli, University of Arizona
8:00 Chelsea Gilliam*, Penn State University, *The Romanization of the Etruscans: The Geography of Cultural Assimilation.*
8:20 Fuzia Elkekli*, University of Arizona, *Using ArcGIS in Urban Planning in Historical Tripoli, Libya.*

2171. Hazards and GIScience: Disaster Response (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Hazards, Risks, and Disasters Specialty Group)

- Room:** Bernard's, Biltmore, Lobby Level (Paper Session)
 ORGANIZER(S): Rutherford V Platt, Gettysburg College; Tom Cova, University of Utah
 CHAIR(S): Michael Hodgson, University of South Carolina
8:00 Kimberly Klockow*, University of Oklahoma, *Representations of risk space and decision-making in tornado warnings.*
8:20 Aaron Myers*, Oak Ridge National Laboratory; Steve Fernandez, Oak Ridge National Laboratory; Mart Tuttle, Oak Ridge National Laboratory; Femi Omitaomu, Oak Ridge National Laboratory; Sunil Movva, Oak Ridge National Laboratory; Phil Nugent, Oak Ridge National Laboratory; Devin White, Oak

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Ridge National Laboratory, *Mobile EARSS: Open Source and OGC Compliant*.

- 8:40** Kathleen Stewart*, University of Iowa; Jennifer Glanville, The University of Iowa; David Bennett, The University of Iowa, *Spatiotemporal and social network factors in community response to a major flood disaster*.

- 9:00** Chris S Renschler*, SUNY - Buffalo; Graham Hayes, PhD, LESAM - Landscape-based Environmental System Analysis & Modeling Laboratory; Brian Clarkson, LESAM - Landscape-based Environmental System Analysis & Modeling Laboratory; Ryan Mendieta, LESAM - Landscape-based Environmental System Analysis & Modeling Laboratory, *Community-based Flood Preparation and Damage Assessment - Hurricane Sandy*.

- 9:20** Michael E Hodgson*, University of South Carolina; Sarah E Battersby, University of South Carolina; Bruce A Davis, Department of Homeland Security; Shufan Liu, University of South Carolina; Leanne Sulewski, University of South Carolina, *Geospatial Technology Use in Disaster Response: A Nationwide State and County Survey*.

2172. Modern Agriculture: a Comparative Perspective

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Courtney Gallaher, Northern Illinois University

- 8:00** Claire Parfitt*, University of Sydney, *Genetically modified crops in Australia: an inadequate response to crisis in agriculture*.

- 8:20** Yoojin Hong*, Penn State University, *Impact of Organic Farming on Rice Paddy : Case of Korea*.

- 8:40** Anne Meltzer*, University of Tennessee-Knoxville, *Nile River Basin's Agricultural Economy: Dependency and Development*.

- 9:00** Gina Butrico*, Kent State University, *Geothermal Greenhouse Agriculture and Food Security: Iceland*.

- 9:20** Courtney M Gallaher*, Northern Illinois University, *Greening Kibera: How urban agriculture is changing the environment of the Kibera slums in Nairobi, Kenya*.

*** Continued into next slot, 2475

2173. Weather, Climate, and Health Part I: Spatial Variability in Temperature (Sponsored by Climate Specialty Group)

Room: Corinthian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): David Hondula, The University of Virginia

- CHAIR(S): David Hondula, The University of Virginia
- 8:00** Juan Wang*, The Chinese University of HongKong; Bo Huang, The Chinese University of HongKong, *Land Surface Temperature Variation and Its Non-stationary Relationship with Environmental Factors in Shenzhen, China*.

- 8:15** Tanzina Mohsin*, University of Toronto, *Observed variability of nocturnal Urban Heat Island effect and its relationship with the dominant Air masses at Toronto*.

- 8:30** Huiqing Huang*, Michigan State University; Peilei Fan, Michigan State university; Jiaguo Qi, Michigan State university; Wenze Yue, Zhejiang University, *Understanding the urban heat island with spectral unmixing in Shanghai, China*.

- 8:45** Elena Grigorieva*, Institute for Complex Analysis of Regional Problems FEB RAS; L. S. Kalkstein, University of Miami; K. V. Shlufman, Institute for Complex Analysis of Regional Problems FEB RAS, *Spatial-temporal analysis of air temperatures in the southern part of the Russian Far East*.

Discussant(s): David Hondula, The University of Virginia

2174. Navigation, GPS, and Fieldwork

Room: Corsican, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Wook Rak Jung

- 8:00** Stephen C. Hirtle*, University of Pittsburgh, *Adding the Why and How to Navigation*.

- 8:20** Michael Gaffney*, self; Michael F. Gaffney, Central Connecticut State University, *Global Positioning Systems And The Fourth Amendment*.

- 8:40** Janet Speake*, Liverpool Hope University, *"I've got my Sat Nav, it's alright": Users' attitudes towards, and engagements with, technologies of navigation*.

- 9:00** Kathleen Baker*, Western Michigan University; Heather Petcovic, Western Michigan University, *Expert sensitivity to landscape features: Field researchers on paper and in practice*.

- 9:20** Wook Rak Jung*, University of Saskatchewan; Scott Bell, University of Saskatchewan, *Modifications in Human Wayfinding Behavior Based on the Availability of GPS-based Navigational Support*.

2175. Assembling Istanbul: Encounters of Bodies and Buildings in a World City (Sponsored by Global Urbanization, Middle East Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Florentine, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Timur Hammond

CHAIR(S): Amy Mills, University of South Carolina

Introducer: Timur Hammond

- 8:05** Sarah El-Kazaz, PhD Candidate*, Princeton University, *"Possessing" the City's History: Private Property, Urban Renewal and Assembling Public Memory in Istanbul and Cairo*.

- 8:25** Timur Hammond*, University of California, Los Angeles (UCLA), *Bodies, Tombs, and Touched Things: Eyüp and Islamic Assemblages*.

- 8:45** Elizabeth S Angell*, Columbia University, *Disaster Cartographies: Risk, Insurance, and the Mapping of Istanbul*.

- 9:05** Danielle J. van Dobben, PhD Candidate*, University of Arizona, *Roman Açilimi: The impact of Turkey's housing reforms on its Roma ("Gypsy") citizens*.

Discussant(s): Amy Mills, University of South Carolina

2176. Geomorphology and Physical Geography

Room: Grecian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Julie E Laity, California State University

- 8:00** Michael D. Luehmann*, Michigan State University; Randall J. Schaetzl, PhD, Michigan State University; Bradley A. Miller, Michigan State University; Michael E. Bigsby, Michigan State University, *Thin loess of the western Upper Peninsula of Michigan, USA: Examples of locally sourced loess deposits*.

- 8:20** Vânia Apolônio de Trajano, UnB; Ruth Elias de Paula Laranja*, UnB; Ruth Elias de Paula Laranja, UnB, *A look at rural communities of Cachoeira, Santo Antônio do Cobra e Juazeiro in the Municipality of Parelhas / RN/Brazil: elements for an analysis of desertification processes..*

- 8:40** Julie E Laity, Dr. *, California State University, *Paleowinds of the Western Great Basin Assessed Using the Ventifact Record*.

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2177. Land Systems Science Symposium: Case Studies - N America II (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: *Heinsbergen, Biltmore, Lobby Level* (Paper Session)

ORGANIZER(S): Richard Aspinall

CHAIR(S): Jacqueline Vadjunec, Oklahoma State University

8:00 Patrick Bitterman*, The University of Iowa; David Bennett,

PhD, The University of Iowa, *Operationalizing Resilience Using a Coupled Agent-Based Model of a Generalized Social-Ecological System.*

8:20 Ferdouz V Cochran*, University of Kansas; Nathaniel A Brunsell, PhD, University of Kansas, *Pressures of climate change and climate legislation on agricultural land use in the US Central Plains.*

8:40 Anne M Smith, PhD, Agriculture and Agri-Food Canada, Lethbridge Research Center, Lethbridge Alberta, Canada; Michael J Hill, Professor*, University of North Dakota; Catherine Kloppenburg, BSc, Agriculture and Agri-Food Canada, Lethbridge Research Center, Lethbridge Alberta, Canada; Yonquin Zhang, PhD, Biological and Physical Sciences, Delta State University, Cleveland, MS 38733, *Developing remote sensing tools for mapping the status of native grasslands in Southern Alberta: A case study.*

9:00 Suzanne Cotillon*, South Dakota State University, *Impacts of land cover changes on ecosystem services delivery in the Black Hills ecoregion.*

9:20 Myrna H. Hall, Director, Center for the Urban Environment*, SUNY College of Environmental Science and Forestry; Lori Cornell, Graduate Program Env. Science, State University of New York College of Environmental Science and Forestry, *Applying Land Change Modeling to More than Ecological Structure.*

2178. Between freedom and narcissism? New media, academic identities and circuits of knowledge production (Sponsored by Communication Geography Specialty Group)

Room: *Mediterranean, Biltmore, Mezzanine Level* (Panel Session)

ORGANIZER(S): Scott Rodgers, Birkbeck, University of London; Rosie Cox

CHAIR(S): Rosie Cox

Panelists: Clive Barnett; Hilary Geoghegan, University College London; Scott Rodgers, Birkbeck, University of London; Nelly Ali; Sara Koopman, University of British Columbia; Matthew W. Wilson, University of Kentucky

2179. Historical Geographies of Sexualities (Sponsored by Historical Geography Specialty Group, Sexuality and Space Specialty Group)

Room: *Moroccan, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Michael Brown, University of Washington; Julie Podmore, John Abbott College

CHAIR(S): Lawrence Knopp, University of Washington Tacoma

8:00 Eric Olund*, University of Sheffield, *Prostitutes and Protestants in Early 20th-Century Chicago.*

8:20 Michael Brown*, University of Washington; Larry Knopp, University of Washington, *The Birth of the (Gay) Clinic.*

8:40 Francesca Moore*, University of Cambridge, *'A mistaken policy of secretive-ness': Treating Venereal Disease in 1930s Lancashire, UK..*

9:00 Julie Podmore*, John Abbott College, *Progressive Reform Politics and the Making of Montréal's Gay Village.*

9:20 Tiffany Muller Myrdahl*, Simon Fraser University, *"It was bitchy then, too": Reckoning with the past to complicate the present.*

2180. Situating the Geoweb as Technoscience I

Room: *Roman, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Craig Dalton, Bloomsburg University of PA; Matthew W. Wilson, University of Kentucky

CHAIR(S): Craig Dalton, Bloomsburg University of PA

8:00 Wen Lin*, Newcastle University, *To map or not to map? Investigating social constructions of VGI in China.*

8:20 Agnieszka Leszczynski*, University of Washington, *Discourses of Neogeography.*

8:40 Sonya Prasertong*, University of Kentucky, *The Little Data That Could.*

9:00 Till Straube*, Goethe University Frankfurt; Marius Köster*; Marc Boeckler, Goethe University Frankfurt, *Performativity and Distributed Agency in the Geoweb.*

Discussant(s): Matthew Zook, University of Kentucky

8:00 AM - 11:40 AM

AAG Department Chairs' Symposium

Promoting Diversity in Geography: Strategies to Improve Inclusion, Broaden Participation, and Assess Actions

Room: *Avalon, Westin, Level 3*

Organizers: **Ken Foote**, University of Colorado at Boulder
Patricia Solís, AAG Director of Outreach and Strategic Initiatives

Diversity will be considered broadly to include gender, race, ethnicity, sexual orientation, (dis)abilities, and other dimensions of inclusion. Topics will include recruitment and retention of undergraduates, graduates, and faculty who are underrepresented in the discipline or in the institutions of the participants. Participants will share experiences in developing and implementing departmental diversity plans, integrating diversity goals within strategic plans, and incorporating diversity into program assessments.

Although the chairs' symposia are offered as a means of providing time for department leaders to meet and share strategies during the annual meeting, the symposium is open to ALL geographers wishing to participate. The session is particularly well suited for individuals who may soon assume leadership positions and would like to network with other chairs and leaders.

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10:00 a.m. - 11:40 a.m.

2201. Socialist and post-Socialist Urbanisms: Critical Reflections; Comparative Perspectives - II (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: Beaudry A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Douglas Young, York University; Lisa Drummond, York University

CHAIR(S): Lisa Drummond, York University

10:00 Christina Schwenkel*, University of California, Riverside, *Eco-Socialism and Urban Renewal in Vietnam*.

10:15 Jessica Graybill*, Colgate University, *Gender in the transnational oil town: Women's spaces in sub-arctic Yuzhno-Sakhalinsk, Russia*.

10:30 Laura Visan*, York University, *Adaptive Reuse In Postsocialist Romania*.

10:45 Markus Kip, York University; Lisa Drummond, York University; Douglas Young*, York University, *Alexanderplatz and the challenge of democratic planning*.

11:00 Marcela Mele*, University of Hull, *The concepts of politics of urban living place: Methodology and livelihood strategies in Tirana city region, Albania: 1990-2010*.

2202. Geographies of Hope Symposium 1: Navigating by Song: Renewing the Cultural Geographical Knowledge of Native Peoples (Sponsored by Rural Geography Specialty, Human Dimensions of Global Change Specialty Group, Socialist and Critical Specialty Group, Cultural Geography Specialty Group, Cultural and Political Ecology, Indigenous Peoples Specialty Group)

Room: Beaudry B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Jay Johnson, University of Kansas

CHAIR(S): Mark Palmer, University of Missouri-Columbia

10:00 Melissa Nelson*, San Francisco State University American Indian Studies, *Navigating by Song: Renewing the Cultural Geographical Knowledge of Native Peoples*.

2203. AP Human Geography: Moving Beyond 100,000 Students

Room: La Brea, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Max Lu, Kansas State University

CHAIR(S): Max Lu, Kansas State University

Panelists: Max Lu, Kansas State University; Liliana Monk, Walter Johnson High School; Lisa Benton-Short, The George Washington University

2204. Geography Education Materials and Resources at the AAG

Room: La Cienega, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Susan Gallagher Heffron, Association of American Geographers; John Wertman, Association of American Geographers

CHAIR(S): Niem Huynh, Association of American Geographers

Panelists: Niem Huynh, Association of American Geographers; Mark Revell, Association of American Geographers; Astrid Nicole Ng, Association of American Geographers; Michael N. Solem, Association of American Geographers

2205. Legacies of Extraction II (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Los Cerritos, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Matthew Himley, Illinois State University; Tomas Frederiksen, University of Manchester

CHAIR(S): Tomas Frederiksen, University of Manchester

10:00 Matthew Himley*, Illinois State University, *The many uses of the past: Mobilizing history in struggles over mining in Peru*.

10:20 Jonathan Peyton*, University of Manitoba, *Transmission: Contesting Energy, Enterprise and Extraction in the*

New Northwest Gold Rush.

10:40 Alexandra Winton*, Memorial University of Newfoundland; Joella Hogan, Heritage Manager, First Nation of Na-cho Nyak Dun, *"It's just natural": First Nation Family History and the Keno Hill Silver Mine in Canada's Yukon Territory*.

11:00 Kathleen Guillozet, PhD*, Oregon State University; John C Bliss, PhD, Oregon State University, *Forest Management in Highland Ethiopia: Linking historic information to the project management cycle*.

Discussant(s): Arn Keeling, Memorial University of Newfoundland

2206. Making alternative food systems work VI: A panel discussion through open space (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Los Feliz, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Ryan E. Galt, University of California, Davis; Liz Carlisle, UC Berkeley

CHAIR(S): Ryan E. Galt, University of California, Davis

Panelists: E. Melanie DuPuis, UC Santa Cruz; Tad Mutersbaugh, University of Kentucky; Jennifer Blesh, Cornell University; Nathan McClintock, Portland State University; Kristin Reynolds, The New School; Evan Weissman, Syracuse University; Melina Packer, Brown University; Tracy Lerman; Liz Carlisle, UC Berkeley; Zac Henson, University of California, Berkeley; Katharine Bradley; Heather Frambach; Ildi Carlisle-Cummins, UC Davis; Ashley Lukens, University of Hawaii at Manoa; Thea Rittenhouse, UC Davis; Ted White, University of Massachusetts Amherst; Edmund Harris, Clark University; Ryan E. Galt, University of California, Davis; Maywa Montenegro, ESPM, UC Berkeley; Elizabeth O'Sullivan, UC Davis

2207. From cluster to process? New economic geographic perspectives on knowledge generation II: Time-Spatial Bundling

Room: Palos Verdes, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Sebastian Henn, Leibniz-Institute for Regional Geography

CHAIR(S): Oliver Ibert, Department of Geography, University of Bonn

10:00 Gernot Grabher*, HafenCity University Hamburg; Joachim Thiel, HafenCity University Hamburg, *Projects, Persons, Professions: Trajectories of Learning through Mega-Events - The London Olympics 2012*.

10:20 Sunitje Schmidt, Dr.*, Institute for Regional Development and Structural Planning, *More than Knowledge for Innovation - Knowledge Spillover and their Effects on Entrepreneurial Activities*.

10:40 Hogni Kalsø Hansen*, University of Copenhagen, *Innovators in time and space: Institutions and creative milieus*.

11:00 Pengfei Li*, East China Normal University, *Temporary Clustering in Developing Economies: Trade Fairs in South and Southeast Asia*.

11:20 Sebastian Henn*, Leibniz-Institute for Regional Geography; Harald Bathelt, University of Toronto, *Field Reproduction, Knowledge Creation and Sense-Making at Conferences: The Case of Toronto*.

2208. From Suburban Dreamscape to Nightmare I: Decentralization and Dystopia? (Sponsored by Urban Geography Specialty Group)

Room: San Bernardino, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Christopher Niedt, Hofstra University; Paul J Maginn, University of Western Australia

CHAIR(S): Paul J Maginn, University of Western Australia

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10:00 Patrick Vitale*, University of Toronto, *The Monroeville Doctrine: Making Science Suburban.*

10:20 Patrick McHaffie*, Depaul University, *Embedded Banality: The Nike Missile Shield and Chicago's Northern Suburbs.*

10:40 Mark Luccarelli, PhD*, University of Oslo; Per Gunnar Røe, PhD, University of Oslo, *Urban, Suburban and in-between: Liminal Spaces in Popular Cultural Representations of Cities & Suburbs.*

2209. Africa VI - Climate and Resource Issues (Sponsored by Africa Specialty Group)

Room: *San Fernando, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus

CHAIR(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus

10:00 Aondover Tarhule, Ph.D*, University of Oklahoma Department of Geography and Environmental Sustainability; Joseph T Zume, Ph.D, bGeography and Earth Science, Shippensburg University 1871 Old Main Dr. Shippensburg, PA 17257; Johan Grijsen, Austin, Texas 230 Arrowlake Road, Wimberley, Texas 78676, *Exploring temporal hydroclimatic variability in the Niger Basin (1901-2006) using observed and reanalysis data.*

10:20 Erin Leigh Bunting*, University of Florida, Department of Geography; Jane Southworth, Ph.D, University of Florida, Department of Geography, *Utilization of Remotely Sensed Spectral Indices to Differentiate Vegetation Patterns in Savanna Landscapes.*

10:40 Saul Daniel Dumba*, Michigan State University; Jeffrey A Andresen, Michigan State University; Sieglind Snapp, Michigan State University; Julie A Winkler, Michigan State University; Jennifer Olson, Michigan State University; Nathan Moore, Michigan State University, *Assessing the impact of climate change on sweet potato production in East Africa.*

11:00 Boyowa Anthony Chokor*, University of Benin, Benin City, Nigeria/Shell Nigeria, *Re-conceptualizing global climate management with special reference to the African region.*

Discussant(s): Iddrisu Adam, University of Wisconsin - Marshfield Campus

2210. Paleocology, Paleolimnology and Paleoclimatology (Sponsored by Paleoenvironmental Change Specialty Group)

Room: *San Gabriel A, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Catherine Yansa, Michigan State University

CHAIR(S): Jennifer Kusler

10:00 Jennifer Kusler*, U.S. Geological Survey, *Salmon Abundance in the Oregon Coast Range: A 5,400-year Paleolimnological Reconstruction.*

10:20 Jeffrey Honke*, University of Denver, *Snowmastadon loess? Investigating aeolian sediment sources of the ice age fossil site near Snowmass, Colorado.*

10:40 Khaldoun I Ahmad*, University of Missouri Kansas City; Khaldoun Ibrahim Ahmad; Caroline I Davies, University of Missouri-Kansas City, *Sedimentology and Mineralogy as Indicators of Paleolake Levels and Paleoenvironmental Change from the Al-Azraq Basin, Jordan.*

11:00 Christy Briles*, University of Colorado-Denver, Monash University; Benjamin Verbi, Monash University, *A paleoecological perspective on European land use from Victoria, Australia.*

11:20 Carl L. Johannessen*, University of Oregon, *Pre-15th Century Diffusion of Weeds Across the Tropical Ocean.*

2211. Economic Geography II - The Genesis, Adoption, Diffusion, and Value of New Technologies (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)

Room: *San Gabriel B, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Dieter F. Kogler, University College Dublin; David Rigby, University of California, Los Angeles (UCLA)

CHAIR(S): Helen Lawton Smith, Birkbeck University of London

10:00 Dieter F. Kogler*, University College Dublin; Maryann P. Feldman, University of North Carolina, Chapel Hill; David L. Rigby, University of California, Los Angeles (UCLA), *rKnowledge - Recombinant Technology Evolution and the Spatial Diffusion of rDNA Methods.*

10:20 Ron Boschma, Utrecht University; Pierre-Alexandre Balland*, Utrecht University; Dieter Kogler, University College Dublin, *Relatedness and Technological Change: The Emergence of New Technologies in U.S. Cities from 1981 to 2010.*

10:40 Olivier Brossard*, IEP Toulouse & LEREPS, *The trilogy of knowledge spillovers in French regions: a history of nature, channels and boundaries.*

11:00 David Rigby*, University of California, Los Angeles (UCLA), *Valuing the Knowledge Base of Cities over Time: The Creation and Destruction of Knowledge in Space.*

Discussant(s): Arnoud Lagendijk, Radboud University Nijmegen

2212. Retail & Business Geography II

Room: *San Gabriel C, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Tony Hernandez, Ryerson University

CHAIR(S): Tony Hernandez, Ryerson University

10:00 Lawrence Joseph*, Arizona State University; Michael Kubly, Arizona State University, *Modeling Retail Chain Expansion and Maturity through Wave Analysis: Theory and Application to Walmart and Target.*

10:20 Karl Schrantz*, Western Michigan University, *Location and Competitive Strategy in Retail: The Case of GameStop in Michigan.*

10:40 Joseph Aversa*, Ryerson University; Tony Hernandez, Ryerson University, *Re-Making the Mall: Fashion Retailing in the GTA.*

11:00 Stephen Swales*, Ryerson University; Wayne Forsythe, Ryerson University, *Recent Growth and Changing Composition of Canada's Major Market: The Extended Toronto Region.*

11:20 Alexandre Maltais*, Institut national de la recherche scientifique, Montreal, Canada, *'Everybody Knew it Was Coming'? Divergent Views of Gentrification Among Storeowners in two Montreal Inner-City Neighbourhoods.*

2217. Feminist Engagements with Health, Capitalism, and the Body II (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Health and Medical Geography Specialty Group)

Room: *Santa Barbara A, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Michele Flippo Bolduc, University of Kentucky

CHAIR(S): Michele Flippo Bolduc, University of Kentucky

10:00 Zoe Pearson*, Ohio State University, *Waging War on Coca: Health and Drug Control Policy in Bolivia.*

10:20 Abigail Neely*, University of Minnesota - Twin Cities, *Internal Ecologies: a Political Ecology of Tuberculosis and the Body in South Africa.*

10:40 Carolin Schurr*, University of Berne; Bettina Fredrich, University of Bern, *Feminist Geographies of Marketization: The Transnationalization of Markets of Assisted Reproduction.*

Discussant(s): Becky Mansfield, The Ohio State University

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- 2218. CyberGIS Symposium: CyberGIS for supporting climate studies (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)**
Room: Santa Barbara B, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Min Sun, GMU; Zhenlong LI
 CHAIR(S): Jing Li, University of Denver
10:00 Dylan Keon*, Oregon State University; Chris Daly, Oregon State University; Adam Ryan, Oregon State University, *Web-based Statistical Processing of Climate Grids Across Varying Spatial and Temporal Scales*.
10:20 Christopher Fuhrmann, PhD*, University of North Carolina at Chapel Hill; Chip Konrad, PhD, University of North Carolina at Chapel Hill; Maggie Kovach, MA, University of North Carolina at Chapel Hill; Ryan Boyles, PhD, North Carolina State University; Ashley Hiatt, BS, North Carolina State University, *Development of a web-based tool for studying, visualizing, and tracking the public health impacts of weather and climate events*.
10:40 Akihiro Oba*, Keio University; Yan Wanglin, Keio University; Balt Suvdantsetseg, National University of Mongolia; Masataka Watanabe, Keio University; Togtokh Chuluun, National University of Mongolia; Lkhamsuren Bolar-Erdane, Kangwon National University, *Development of the System for Early Adaptation to Climate Change in Mongolia*.
11:00 Adam Bumpus, DPhil*, University of Melbourne, *Using mobile phones to improve understanding of climate change projects in the Pacific: scales and spaces of innovation*.
 Discussant(s): James Bothwell, Oklahoma City Community College
- 2219. Development Geography: Can critical perspectives exist in policy and implementation? 2 (Sponsored by Development Geographies Specialty Group)**
Room: Santa Barbara C, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): David Simon, Royal Holloway, University of London; Ed Carr, University of South Carolina
 CHAIR(S): David Simon, Royal Holloway, University of London
 Introducer: Ed Carr
 Panelists: Anthony Bebbington, Clark University; Kathleen O'Reilly, Texas A&M University
- 2220. Marginality, Risk, Rights and Human Development II (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Development Geographies Specialty Group)**
Room: Sacramento, Westin, Level 2 (Panel Session)
 ORGANIZER(S): JC Gaillard, The University of Auckland; Ben Wisner, Independent Scholar
 CHAIR(S): JC Gaillard, The University of Auckland
 Discussant(s): Christopher Bacon, Santa Clara University; Maureen Fordham, Northumbria University
 Panelists: Ben Wisner, Independent Scholar; Bob Alexander; Gregory Berger, Universidad Autónoma del Estado de Morelos; JC Gaillard, The University of Auckland
- 2221. Progress in Human Geography Annual Lecture**
Room: San Diego, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Robert Kitchin, National University of Ireland
 CHAIR(S): Robert Kitchin, National University of Ireland
10:00 Michael Goodchild*, University of California - Santa Barbara, *Old Debates, New Opportunities*.
- 2223. Practicing Geography II: Undergraduate Experiential Learning (Sponsored by Enhancing Departments and Graduate Education project (EDGE))**
Room: San Jose, Westin, Level 2 (Illustrated Paper Session)
 ORGANIZER(S): JoAnn (Jodi) Vender, Pennsylvania State Univ
 CHAIR(S): JoAnn (Jodi) Vender, Pennsylvania State Univ
10:00 Shan Ye*, *Digital Open Mine*.
10:10 Caleb Voithofer*, Penn State University, *Discussion on Internship in the Coal Industry*.
10:20 Yanni Cao*, *Field Trip in Qinghai, China*.
10:30 Michael Sutherland*, *Mapping my hometown: An in-depth look into Hellertown, PA*.
10:40 Benjamin B Levine*, Penn State, *Understanding Local Places Using Census Records*.
10:50 Melissa A Peterson*, Penn State University, *A Comparison of Experiential Learning Abroad*.
11:00 Sarah L Hanson*, The Department of Geography, Pennsylvania State University; Dr. Erica Smithwick, The Department of Geography and Intercollege Graduate Program in Ecology, The Pennsylvania State University, *Distribution of invasive Psidium guajava (Common Guava) along roadways and trail ways within the Dwesa-Cwebe Nature Reserve*.
- 2224. Promoting Diversity in Geography: Strategies to Improve Inclusion, Broaden Participation, and Assess Actions**
Room: Avalon, Westin, Level 3 (Meeting Session)
 This session is a continuation of the previous timeslot, 2124.
- 2226. Opening Plenary on Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)**
Room: Hollywood Ballroom, Westin, Level 3 (Plenary Session)
 ORGANIZER(S): Geography, GIS, and Health; Douglas Richardson
 CHAIR(S): Douglas Richardson
10:00 Douglas Richardson
10:15 Mei-Po Kwan, University of Illinois at Urbana-Champaign
10:30 Robert Sampson, Harvard University
- 2227. On Peter Sloterdijk: Geography, Spheres, and Beyond II**
Room: Santa Monica A, Westin, Level 3 (Panel Session)
 ORGANIZER(S): Oliver Belcher, University of British Columbia
 CHAIR(S): Oliver Belcher, University of British Columbia
 Panelists: Tim Moonen; Stuart Elden, University of Durham; Mikko Joronen, Department of Geography, University of Turku, Finland; Efrain Kristal, University of California, Los Angeles (UCLA) Department of Anthropology; Oliver Belcher, University of British Columbia
- 2228. The Socio-Ecological Fix II**
Room: Santa Monica B, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Michael Ekers, University of Toronto, Scarborough; Scott Prudham, University of Toronto
 CHAIR(S): Scott Prudham, University of Toronto
10:00 Alice Cohen*, Clark University; Karen Bakker, University of British Columbia, *The Eco-Scalar Fix: Rescaling Environmental Governance and the Politics of Ecological Boundaries in Alberta, Canada*.
10:20 Jessica Dempsey*, University of Victoria, *Fixing biodiversity loss*.
10:40 Michael Ekers*, University of Toronto, Scarborough, *Towards an 'Ecological Fix': Unemployment and Forestry Relief Work in Depression-Era Canada*.
11:00 Jason W Moore*, Binghamton University and Umeå University, *Spatial Fixes in the Capitalist World-Ecology*.
 Discussant(s): Morgan Robertson, University of Kentucky

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- 2229. Asia On The Move II: Transportation, Cultural Change and Diffusions (Sponsored by Asian Geography Specialty Group, Cultural Geography Specialty Group, Transportation Geography Specialty Group)**
Room: Santa Monica C, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Weiqiang Lin, Royal Holloway, University of London
 CHAIR(S): Weiqiang Lin, Royal Holloway, University of London
10:00 M. William Steele*, International Christian University, *Mobility on the Move: The Rickshaw Conquers Asia.*
10:20 Nancy Cook*, Brock University; David Butz*, Brock University, *'We Are Stuck': Experiencing Immobility in the Aftermath of Attabad Landslide, Gojal, Pakistan.*
10:40 Chien-Hung Tung*, Program of Landscape and Recreation, National Chung-Hsing University, Taiwan; Kangting Tsai, Program of Landscape and Recreation at National Chung-Hsing University, Taiwan; Tzu-Ping Lin, Program of Landscape and Recreation at National Chung-Hsing University, Taiwan., *The Rising of "Dragon State" and the Failure of High-Speed Rail One-day Living Circle in Taiwan.*
11:00 Anru LEE*, John Jay College of Criminal Justice, the City University of New York, *Global Is National: The Cultural Politics of the Subway System In Kaohsiung, Taiwan.*
11:20 Ben Derudder*, Ghent University; David Bassens, Ghent University; Frank Witlox, Ghent University, *Gargantuan air transport developments in the Gulf: the desire for global city status, and the role of regional power struggles.*
- 2230. Human Impacts on Watershed Processes (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)**
Room: Santa Monica D, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA
 CHAIR(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA
10:00 Erik Schiefer*, Northern Arizona University, *Land-Use Impacts on Rates of Lake Sedimentation in Western Canada.*
10:20 Aaron Nickolotsky*, Southern Illinois University; Micah Bennett, Southern Illinois University; Justin Kozak, Southern Illinois University; Anne Hayden-Lesmeister, Southern Illinois University; Kelley Fritz, Southern Illinois University, *Hydrological Analysis of Ecosystem Services in the Nation's Largest River Swamp - the Atchafalaya River Basin, Louisiana USA..*
10:40 Chengzhe Qin*, Department of Geography, East Stroudsburg University of Pennsylvania, PA 18301-2999, USA; Shixiong Hu, Department of Geography, East Stroudsburg University of Pennsylvania, PA 18301-2999, USA; Mingzhou Qin, College of Environment and Planning, Henan University, 475004, China, *Study on the Lower Yellow River Beach land Use in Kaifeng City.*
11:00 Shixiong Hu*, Dept. of Geography, East Stroudsburg University of PA, *Application of Modified SWAT Model in Lianshui Watershed, China.*
- 2231. Fortier, McGill University; Leila Ponsford, Bishop's University; Kathleen Chan, Bishop's University; Terrence McCloskey, Louisiana State University, *Holocene development of sphagnum peatlands in Eastern Canada: preliminary results from Prince Edward Island and Les Îles de la Madeleine, Québec.***
10:20 Joan Bunbury*, University of Wisconsin - La Crosse; Konrad Gajewski, University of Ottawa, *Effects of a volcanic eruption on aquatic ecosystems, southwest Yukon, Canada.*
10:40 Carlos E. Cordova*, Oklahoma State University; William C. Johnson, University of Kansas; Ernest L Lundelius, University of Texas at Austin; Jason P. Johnson, Oklahoma State University, *A 17,000-year record of climate, vegetation and fire around Hall's Cave, south-central Texas: pollen, phytoliths, stable carbon isotopes, and other proxies.*
11:00 Nicholas Brokaw*, University of Puerto Rico; Sheila Ward, University of Puerto Rico; Colin Doyle, Georgetown University; Marisol Cortes-Rincon, Humboldt State University; Timothy Beach, Georgetown University; Sheryl Luzzader-Beach, George Mason University; Stanley Walling, Community College of Philadelphia, *Consequences of Long-Term Change in the Maya Environment.*
11:20 Jonathan M. Flood*, George Mason University; Jeffrey S. Soles, PhD, University of North Carolina at Greensboro; Sheryl Luzzadder-Beach, PhD, George Mason University, *Groundwater Chemistry and Agricultural Potential at Ancient Farmhouses on Crete, Greece: A case study of the Chalinomouri archaeological sites and their context within the Mochlos Plain..*
- 2232. Borders, nature, and environmental governance II (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Borders)**
Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Ryan Covington, University of Wisconsin-Milwaukee; Kathleen Williams, University of Wisconsin-Milwaukee
 CHAIR(S): Kathleen Williams, University of Wisconsin-Milwaukee
10:00 Charles Heck, Doctoral Candidate in Geography*, Florida International University, *Constructing the Eco-limits in Rio de Janeiro: Urban Sustainability, Favela Containment, and Areas of Risk.*
10:20 Lesley Head*, University of Wollongong; Jennifer Atchison, University of Wollongong, *Eradicating bodies in invasive plant management.*
10:40 Francis Masse*, York University, *From the elephant to the tick to the virus: Non-human subjects as drivers of bordering processes in the Great Limpopo Transfrontier Park.*
11:00 Ryan Covington*, University of Wisconsin-Milwaukee, *Estimating errors: borders, governance, and the politics of memory on the Savannah River.*
 Discussant(s): Emma S. Norman, Michigan Technological University
- 2233. Multiple Militarisms II (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Development Geographies Specialty Group)**
Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Ellen Moore, University of California, Berkeley; Jennifer Greenburg, University of California Berkeley
 CHAIR(S): Jennifer Greenburg, University of California Berkeley
10:00 Robert Heyman*, Ohio State University, *Enlisting G.I.*
- 2234. New Perspectives to Paleoenvironmental Change and Geoarchaeology I (Sponsored by Human Dimensions of Global Change Specialty Group, Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)**
Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Matthew Peros, Bishop's University; Ezgi Akpınar Ferrand, Southern Connecticut State University
 CHAIR(S): Timothy Beach, Georgetown University
10:00 Matthew Peros, Ph.D. *, Bishop's University; Eric

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Joe? A Spatial-Statistical Analysis of U.S. Army Enlistment.

10:20 Nicole Nguyen*, Syracuse University, *Homeland Security High: U.S. Public School Reform in Neoliberal Times of War.*

10:40 Ellen Moore*, University of California, Berkeley, *From Combat to College: Student-Veterans, Militarized Common Sense and Academic 'Contact Zones'.*

11:00 Alison Bond*, University of California, Berkeley, *From Public Discourse to Private Meanings: The Militarization of Soldiers' Suffering.*

11:20 Irene Garza*, University of Texas @ Austin, *Serving Food, Serving Nation: Militarized Labor, Meals-Ready-to-Eat, and the Hidden Economies of Service in the U.S.-Mexico Borderlands.*

2237. French Geopolitics in Action (2): Research projects in Europe (Sponsored by Political Geography Specialty Group, European Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Guntram Herb, Middlebury College; Frederick Douzet, French Institute of Geopolitics, University of Paris 8

CHAIR(S): Hugo Lefebvre, Institut Français de Géopolitique

10:00 Guilhem Marotte*, IFG, *Geography of dissident republicans in a post-conflict Northern Ireland.*

10:20 Kevin Braouezec*, *Immigration and diversity in the UK: The case of the white British population in London and the far right support.*

10:40 Mathilde Costil*, Institut Français de Géopolitique, *Roma slums in Paris's suburbs: consequences and answers.*

11:00 Thibaud De Fortescu*, Institut Français de Géopolitique, University of Paris 8, *The influence of the border situation on the migratory issue in the province of Almeria (Spain).*

2238. Regional Development and Change in Latin America

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Odeibler Guidugli, University of State of Sao Paulo

10:00 Diego Silva Ardila, Professor*, Universidad Industrial de Santander, Bucaramanga, Colombia, *The relation between Urban and Rural in Colombia's System of Cities.*

10:20 Beatriz Bustos*, Universidad de Chile; Miguel Contreras, Universidad de Chile, *Exhausted or imagined regions? Conceptual challenges to understand Chile's new regional geography.*

10:40 Johannes Rehner*, Pontificia Universidad Católica de Chile; Sebastián Andrés Baeza González*, Pontificia Universidad Católica de Chile; Jonathan Barton, Pontificia Universidad Católica de Chile, *Resource-based economies and booming Asia: regional impacts in export-driven Chile.*

11:00 Odeibler Guidugli*, University of State of Sao Paulo, *Aging Population in the State of Sao Paulo: divergences, convergences and consequences - from 1980 to 2010..*

2239. Tourist Geography II

Room: Laguna Parlor 3068, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Velvet Nelson, Sam Houston State University

10:00 Meredith Jones, University of Technology, Sydney*, University of Technology, Sydney, *Dr Meredith Jones.*

10:20 Clemence Ratel*, *Tourism, degradation or préservation of the naturals aeras ? The exemple of Madagascar and Costa Rica.*

10:40 Johannes Novy*, Technische Universität Berlin; Claire M Colomb, University College London, Bartlett School of Planning, *'New' Tourism in the 'New'*

Berlin? Contemporary trends in tourism and place consumption and their implications for urban scholarship.

11:00 Velvet Nelson*, Sam Houston State University, *Representations of Rijeka in Tourism Information Sources.*

2240. Surveillance, Control and Security in Latin America - 2 (Sponsored by Cyberinfrastructure Specialty Group, Latin America Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Malibu Parlor 3018, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Lucas Melgaço, Vrije Universiteit Brussel; Nelson Arteaga Botello, Universidad Autónoma del Estado de México

CHAIR(S): Nelson Arteaga Botello, Universidad Autónoma del Estado de México

10:00 Craig Paterson, Dr*, Sheffield Hallam university, *Innovating Surveillant Responses to Risk in Buenos Aires.*

10:20 Adriana Dorfman, Dra.*, Universidade Federal do Rio Grande do Sul, *Brazilian borders: from national to public security.*

10:40 Lucas Melgaço*, Vrije Universiteit Brussel, *Surveillance in the Current Technical-Scientific and Informational Milieu.*

11:00 Randolph Lewis, Ph.D.*, University of Texas at Austin, *Drone Wars: Video Surveillance in the Libertarian Imagination.*

2241. Urban Social Movements (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)

Room: Malibu Parlor 3038, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Clement Lai, California State University, Northridge

10:00 Nathan Prier, PhD (Geography)*, York University, *The Urban Production of the Anti-Citizen.*

10:20 Silvano De La Llata*, Cornell University, *Breaking the Law to defend our rights. Geographies of autonomy and the right to the city..*

10:40 Clement Lai*, California State University, Northridge, *Saving Home Places: The Role of Redevelopment in Radical Asian American and African American Youth Mobilization during the 1960s and 1970s.*

11:00 Ngai Weng Chan*, Universiti Sains Malaysia, *"The Role and Challenges of Geographers in Non-Governmental Organization Activism in Penang, Malaysia".*

2242. Chinese urban and regional development (Sponsored by China Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group, Symposium on New Geographies of Urban China)

Room: Malibu Parlor 3058, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Wei Xu, University of Lethbridge

CHAIR(S): Changhong Miao, Henan University

10:00 Jie Li*, The University of Hong Kong; Rebecca L.H. Chiu, The University of Hong Kong, *Entrepreneurial transformation in China's urban governance: the case of new town development in Shanghai, China.*

10:20 Chen Yi Xing*, Western branch of China Academy of Urban Planning and Design; Yu Ye, China Academy of Urban Planning & Design Western Branch, *Study on the County-level Urbanization in the Southwest Area of China.*

10:40 Larissa Muller*, University of Calgary, *Regional Development in Western China: Latecomer Advantages & Constraints.*

11:00 Lao Xin*, Peking University, *The Economic Density Research Framework Construction in China's Regional Economy Studies.*

11:20 Changhong Miao*, Henan University; Wenying Shang,

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Economics college, Henan University, *Land-centered urbanization, industrialization and agricultural modernization in China: Case from Henan Province, China.*

2243. Horrific Geographies (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)

- Room:* Malibu Parlor 3078, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Marcia England, Miami University
 CHAIR(S): Marcia England, Miami University
10:00 Kevin E McHugh*, Arizona State University; Jennifer L Kitson, Arizona State University, *Body Inferno.*
10:20 Marcia England*, Miami University, *Bodies in New Asian Horror: An examination of liminality and transgression.*
10:40 Linda McCarthy, Associate Professor*, University of Wisconsin, *Zombies in the Classroom: Using zombie geography as the horrific basis for debating Turkey's Living Dead/Undead Application to Join the European Union.*
11:00 Ryan Cooper*, University of Kentucky Department of Geography, *Some Suburban Nightmares: Frightening Futures and the Construction of Place.*
11:20 Elena Dell'Agnese*, Università Di Milano-Bicocca, *Backwoods horror: rural America as a landscape of fear.*

2244. Environmental and Spatial Justice (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)

- Room:* Malibu Parlor 3118, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Trevor Fuller, SUNY Oneonta
10:00 Lajos Boros*, University of Szeged, *Ethnicity, peripherisation and environmental justice in Hungary.*
10:20 Yvonne Hung*, Children's Environments Research Group, Graduate Center/City University of New York, *Pursuing spatial justice: Critical pedagogies that support youth activists in reading the urban environment and engaging in community change.*
10:40 Mengyao Zhang*, University of Connecticut; Florence M Margai, SUNY-Binghamton, *Delineation of TCE Contamination Zones and Profiles of Social Vulnerability in a Blue-Collar Community.*
11:00 Trevor K. Fuller, Assistant Professor*, SUNY Oneonta, *Environmental Activism and the Political Economy of Place.*
11:20 Max Liboiron*, New York University, *Scale, Action, and the Environment.*

2245. Developing Education for Spatial Citizenship (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group)

- Room:* Malibu Parlor 3138, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Diana Sinton, University of Redlands
 CHAIR(S): Diana Sinton, University of Redlands
10:00 Detlef Kanwischer*, Goethe-Universität Frankfurt; Uwe Schulze, University of Koblenz-Landau; Inga Gryl, Goethe-Universität Frankfurt, *Spatial Citizenship education for in-service teacher's training - competence dimensions and curriculum design.*
10:20 Erin H Foubert*, Northern State University, *Concept Learning in World Regional Geography: In the First Person.*
10:40 Thomas Jekel*, Z. GIS, University of Salzburg, *Appropriation of Space and Citizenship Education.*
11:00 Anke Uhlenwinkel*, University of Potsdam, *Reason and Representation - The Difficulties of Avoiding Maps without Meaning.*

2246. Landscape Transformations in Russia and Central Asia (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

- Room:* Malibu Parlor 3158, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Megan Dixon, College of Idaho
 CHAIR(S): Grigory Ioffe, Radford University
10:00 Grigory Ioffe*, Radford University; Tatyana Nefedova, Institute of Geography; Kirsten De Beurs, University of Oklahoma, *Transformations in the Russian breadbasket: The case of Stavropol.*
10:20 Sharyl Corrado*, Pepperdine University, *Inventing Russianness in the Far East: Gennadii Nevel'skoi and the Amur Expedition of 1851-55.*
10:40 Vincent Artman*, University of Kansas, *Mosques, Mazars and Visions: Islamic Geographies in Central Asia.*
11:00 Patrick McCarthy, Georgia Institute of Technology; Jiawen Yang*, Georgia Institute of Technology, *Planning for Regional Integration for Uzbekistan.*

2247. Lifestyle Migrants & Destination Communities (Sponsored by Recreation, Tourism, and Sport Specialty Group)

- Room:* Malibu Parlor 3178, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Honggang Xu, Sun Yat-sen University
 CHAIR(S): Wei Xing
10:00 Honggang Xu*, Sun Yat-sen University; wei xing, university of Winnipeg, *They Can Be Both! The Dual Status of Lifestyle Tourist Entrepreneurs in Dali.*
10:15 Marco Eimermann*, Orebro University, *Narratives of ambivalence by Dutch lifestyle migrants in Hällefors, Sweden.*
10:30 Susanna L Ferreira, Prof*, University of Stellenbosch; Susanna Lacey Ferreira, Prof, Stellenbosch University, *International students at Stellenbosch University: Internationalization agents and leisure and tourism significance.*
10:45 Natalie K Ooi*, Monash University, *Seasonal workers and the social barriers preventing community entry: The effects of transience on social capital within a mountain resort community.*
11:00 Wei Xing, Dr.*, University of Winnipeg; Honggang Xu, Prof., Sun Yat-sen University, *Integrating Lifestyle Migrants in Dali.*
11:15 Edward Jackiewicz*, California State University - Northridge, *Diversity of Lifestyle/Amenity Migration: A View from Belize.*

2250. Youth, the Borderlands, and the Spaces in Between II: Young People and Representation (Sponsored by Sexuality and Space Specialty Group, Borders, Indigenous Peoples Specialty Group)

- Room:* Angeleno, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Denise Dixon Goerisch, San Diego State University; Blake Hawkins, University of Northern British Columbia
 CHAIR(S): Blake Hawkins, University of Northern British Columbia
10:00 Jeffrey Canton*, York University, *"Turning Adaptation Inside Out: Shelley Tanaka's novelization of Hirokazu Kore-eda's Nobody Knows".*
10:20 Samuel Cortez*, San Diego State University, *Los Ninis of Tijuana, Mexico: neoliberalism and young people on the U.S.-Mexico Border.*
10:40 Clarisse Didelon-Loiseau*, University of Le Havre - UMR IDEES / CIRTAI; Karine Emsellem, University of Nice Sophia-Antipolis - UMR ESPACE; Sophie de Ruffray, University of Rouen - UMR IDEES - MTG; Mathias Boquet, University of Lorraine - CEGUM, *Student's area of belonging on Europe Borders.*
11:00 Romeo Guzman*, Columbia University, *Towards a Transnational Mexican American Generation.*
 Discussant(s): Ann Marie F Murnaghan, University of Manitoba

WEDNESDAY, APRIL 10 • 10:00 AM - 11:40 AM • 2200**2251. On the Question of Violence in the Humanitarian Present II (Sponsored by Socialist and Critical Geography Specialty Group)***Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)*

ORGANIZER(S): Patricia J Lopez, University of Washington; Lisa Bhungalia, Syracuse University

CHAIR(S): Patricia J Lopez, University of Washington

10:00 Leonie S Newhouse, PhD*, University of Washington, *Materializing Difference: The Socio-spatial Legacy of Refugee Camps.***10:20** Richard Nisa*, Rutgers University, *Capturing Counterinsurgency Math: Distorted Economies of Violence in Late Modern War.***10:40** Lisa Bhungalia*, Syracuse University, *'The Lesser Evil'? On the Question of Violence and Aid in Palestine's Colonial Present.*

Discussant(s): Craig Jones, UBC

2252. Climate Policy as Industrial Policy: Emerging Geographies in the Making of the Green Economy (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, European Specialty Group)*Room: Grand Ballroom Salon 1, The LA Hotel, Level 2 (Panel Session)*

ORGANIZER(S): Jia Ching Chen, University of California, Berkeley; Abigail Martin

CHAIR(S): Abigail Martin

Introducer: Jia Ching Chen

Discussant(s): Richard Walker, University of California-Berkeley

Panelists: Matthew Huber, Syracuse University; Christian Schulz, Université Du Luxembourg; Robert Krueger, Worcester Polytechnic Institute; Sharmistha Bagchi-Sen, SUNY-Buffalo; Gregory Simon, University of Colorado Denver

2253. GSAG plenary session with Dr. Jason Dittmer: "How graduate school set me up for success/failure" (Sponsored by Graduate Student Affinity Group, Enhancing Departments and Graduate Education project (EDGE))*Room: Grand Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)*

ORGANIZER(S): David Parr, Texas State University-San Marcos

CHAIR(S): David Parr, Texas State University-San Marcos

Discussant(s): Jason Dittmer, University College London

2254. Moving to Berlin 1: Los Angeles and Berlin as Urban Laboratories? (Sponsored by Global Urbanization, Urban Geography Specialty Group, Cultural Geography Specialty Group)*Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Panel Session)*

ORGANIZER(S): Karen E. Till, NUI Maynooth; Samuel Merrill, University College London

CHAIR(S): Karen E. Till, NUI Maynooth

Introducer: Julia Binder

Introducer: Karen E. Till

Panelists: Laura Pulido, University of Southern California; Edward Soja, University of California, Los Angeles (UCLA); Susanne Hauser, UdK Berlin; Allan Cochrane, Open University; Claire M Colomb, University College London; Bartlett School of Planning; Matthew Gandy, University College London

2255. Writing Successfully for the Journal of Geography in Higher Education (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT))*Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Panel Session)*

ORGANIZER(S): Derek France, University of Chester; Robert Bednarz, Texas A&M University

CHAIR(S): Derek France, University of Chester

Panelists: Jennifer Hill, University of the West of England; Helen Walkington, Oxford Brookes University; Timothy R Hall, University of Gloucestershire; Robert Bednarz, Texas A&M University; Ian C Fuller, Massey University

2256. Methods for Capturing Complex Joint Effects in Small Area Social Analysis (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)*Room: Highland, The LA Hotel, Level 2 (Paper Session)*

ORGANIZER(S): Michael Reibel, California State University;

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

CHAIR(S): Michael Reibel, California State University

10:00 Alexandre Huet*, University Paris 1 Panthéon-Sorbonne; Renaud Le Goix, University Paris 1 Panthéon-Sorbonne, *Suburban Street Patterns at Stake. Evaluating the effects of local contexts between street patterns in subdivisions, property values and socio-occupational trajectories in the Western suburbs of Paris.***10:20** Seth E Spielman*, University of Colorado, *Egocentric Contexts: Uncertainty and Representation.***10:40** Eva K Andersson*, Stockholm University; Bo Malmberg, Stockholm University, *The Issue of Context for Neighborhood Effect Studies.***11:00** Michael Reibel*, California State University, *United Network for Organ Sharing Deceased Donor Potential Study (DDPS): Donor Probability Analysis of California Mortality Data with Census Covariates.*

Introducer: Michael Reibel

2257. Doing More with Less II: Strategies for Teaching Geography with Shrinking and Shifting Resources (Sponsored by Geography Education Specialty Group)*Room: Hollywood, The LA Hotel, Level 2 (Panel Session)*

ORGANIZER(S): John Hintz, Bloomsburg University of

Pennsylvania; Patricia Beyer, Bloomsburg University

CHAIR(S): Patricia Beyer, Bloomsburg University

Introducer: John Hintz

Panelists: Trisha Jackson, South Dakota State University; Keith Ratner, Salem State College; Margo Kleinfeld, University of Wisconsin - Whitewater; Kerry Lyste, Everett Community College

2258. Geographies of Agri-Food Systems I (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)*Room: Melrose, The LA Hotel, Level 2 (Paper Session)*

ORGANIZER(S): Jenny E Goldstein, University of California, Los Angeles (UCLA)

CHAIR(S): Amy Zader, University of Colorado, Boulder

10:00 Jenifer Buckley*, Michigan State University, *Food Safety Regulation, Artisan Processing, and Policy Challenges in a Growing Agrifood Sector: A Study of Inspector-Artisan Interactions in Michigan.***10:20** Craig Thorburn*, School of Geography and Environmental Science, Monash University, *The Edible Birds' Nest Business in Southeast Asia - Recent Attempts to Regulate an Ancient Trade.***10:40** Amy Zader, PhD*, Rutgers University, *Recognizing the 'Green' in China's "Green Food" Label.***11:00** Jen Cleary*, University of South Australia, *Cultural Icons and Cash Commodities: The two-world story of Australian bush foods.***11:20** Sandra Brown*, UC Berkeley, *Solidarity for Whom? Labor and the agrarian imaginary in the Fair Trade banana sector.***2259. 'This Must Be the Place': The Evolving Economic Geography of Music II (Sponsored by Economic Geography Specialty Group, Communication Geography Specialty Group)***Room: Olvera, The LA Hotel, Level 2 (Paper Session)*

ORGANIZER(S): Brian Hraes, Uppsala University; Michael Seman

CHAIR(S): Michael Seman

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10:00 Caitlin Grann*, Texas Tech University, *Thirdspace and the Lubbock Music Scene*.

10:20 Michael Longan*, Valparaiso University, *What Country Is: Changing Space-times, Cultures, and Lifestyles in Song Lyrics*.

10:40 Tyler Sonnichsen*, California State University- Long Beach, *Emotional Geographies and Los Angeles Record Shops*.

11:00 Hans-Joachim Bürkner*, Leibniz Institute for Regional Development and Structural Planning, *Sonic Capital, Local Scenes and Digital Buzz: Shifting Modes of Value Creation in Berlin's Electronic Music Production*.

11:20 Bjorn Berglund*; Stefan Petrini*, "You can book Earth Crisis tomorrow for free, interested?" - on the role of a booking agency as a mediator between a local Swedish community and the global alternative music scene.

Discussant(s): Kevin Stolarick, University of Toronto

10:40 Don Mitchell*, Syracuse University, *People's Park Again: The Continuing History of The End of Public Space*.

11:00 Kurt Iveson*, University of Sydney, *Anatomy of an occupation: the Aboriginal Tent Embassy in its fourth decade*.

2263. Take Back the Economy II: Reframing Work to Survive Well (Sponsored by Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Stephen Healy, Worcester State University; Jenny Cameron, University of Newcastle

CHAIR(S): Katherine Gibson, University of Western Sydney

Discussant(s): Kendra Strauss, University of Cambridge; Chris Gibson, University of Wollongong

Panelists: Autumn Rooney, Echo Park Time Bank; Kelly Martin, Bicycle Kitchen; Wendy Larner, University of Bristol; Luke Drake, Rutgers University

2264. Urban Political Ecology Redux I (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Pico, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Jennifer Rice, The University of Georgia; Nik Heynen, University of Georgia

CHAIR(S): Jennifer Rice, The University of Georgia

10:00 Hillary Angelo, New York University; David Wachsmuth*, New York University, *The Political Ecology of Urbanization*.

10:20 Nik Heynen*, University of Georgia, *From Abolition Democracy to Abolition Ecology: Rethinking Metabolizing*

Race and Hunger in the City.

10:40 Alex Loftus*, King's College London, *Conditions of Possibility*.

11:00 Mary Lawhon*, African Centre for Cities, University of Cape Town; Henrik Ernstson, Stockholm University & University of Cape Town; Suraya Fazel-Ellahi, University of Manchester; Jonathan Silver, Durham University, *Provincialising Urban Political Ecology: Expanding UPE through African Urbanism*.

2270. Governance and Climate Change (Sponsored by Climate Change, Variability, Adaptation and Justice)

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Nathan Kettle, Alaska Center for Climate Assessment and Policy

10:00 Micah R Fisher*, University of Hawaii, at Manoa; East-West Center, *Evaluating Climate Change Adaptation Efforts in Hawai'i*.

10:20 Gwendolyn Blue*, University of Calgary, *From deliberative to radical democracy: Reclaiming the political in public engagement with climate change*.

10:40 Benjamin L Preston*, Oak Ridge Climate Change Science Institute; Megan Maloney, Oak Ridge Climate Change Science Institute; Dana Thomsen, PhD, University of the Sunshine Coast; Tim Smith, PhD, University of the Sunshine Coast, *Multi-Criteria Analysis and Visualisation of Coastal Adaptation Options for Local Government*.

11:00 Julie Elkins Watson*, Oregon State University; Miriah Russo Kelly, Oregon State University; Gregg B Walker, PhD, Oregon State University, *Collaborative approaches to climate change adaptation: Grappling with scale and integrating human dimensions of social-ecological systems*.

11:20 Nathan Kettle*, Alaska Center for Climate Assessment and Policy, *Comparing Coastal Planner Expectations of Change to Climate Science Projections*.

2260. The Border in the City 2: Illegality, Migration, and Urban Responses to the Criminalization of Migration

Room: Olympic, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Jonathan Darling, University of Manchester; Jennifer Ridgley, Center for Place, Culture and Politics

CHAIR(S): Jennifer Ridgley, Center for Place, Culture and Politics

10:00 Monica W. Varsanyi*, City University of New York, *New Destinations or Old Politics? Explaining Local Immigration Policing Practices in the United States*.

10:20 Vanessa Marquez, MA*, University of Kentucky, *Bordering the Interior in the New South: Latino Immigrants in Lexington, Kentucky*.

10:40 Adam Elliott-Cooper*, University of Oxford, *Geographies of Resistance: Racialised in the City*.

11:00 Justin Steil*, Columbia University, *Institutions, Interactions, and Immigrant Equality: Library as Refuge*.

Discussant(s): Julie Young, York University

2261. Making Market Rule(s): Micro practices to macro-movements I (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Joshua Akers, University of Toronto; Christopher Muellerleile, University of Wisconsin-Madison

CHAIR(S): Christopher Muellerleile, University of Wisconsin-Madison

10:00 Mark H Cooper*, University of Wisconsin-Madison, *Unruly Nature, Unruly Markets: Politics and Metrology in Emissions Trading Schemes*.

10:20 Noah Quastel*, University of British Columbia, *Market-Making as Legitimacy in Local Green Economies*.

10:40 Susan Moore*, University College London; Scott J Rodgers, Birkbeck, University of London, *Media and the making of urban housing markets: a cultural economy approach*.

11:00 James T. Murphy*, Clark University, *Everyday practices of "informal" market-making: The evolution of socio-technical regimes in urban Tanzania*.

Discussant(s): Christian Berndt, University of Zurich

2262. Making Space Public 2

Room: Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Kurt Iveson

CHAIR(S): Setha Low

10:00 Myriam Houssay-Holzschuch*, University Joseph Fourier; Annika Teppo, University of Helsinki, *Once upon a time... the Revolution: Entrepreneur and consumer citizenship in a South African township mall*.

10:20 Sophie Watson*, Open University, *Public Affect Effects: Enacting In/Civilities in public space*.

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2271. Hazards and GIScience: Risk and Vulnerability Assessment (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: *Bernard's, Biltmore, Lobby Level* (Paper Session)

ORGANIZER(S): Rutherford V Platt, Gettysburg College; Michael Hodgson, University of South Carolina

CHAIR(S): Rutherford V Platt, Gettysburg College

10:00 Andrew K Thorpe*, Department of Geography, University of California, Santa Barbara; Dar A Roberts, Department of Geography, University of California, Santa Barbara; Eliza S Bradley, Department of Geography, University of California, Santa Barbara; Philip E Dennison, Department of Geography and Center for Natural and Technological Hazards, University of Utah, *Fugitive emission mapping using airborne imaging spectrometry*.

10:20 Bandana Kar, Ph.D.*, University of Southern Mississippi, *Landscan vs. Night Time Imagery: Effectiveness of Each Dataset in Risk Assessment*.

10:40 Jacqueline W Curtis, PhD*, Department of Geography, GIS Health & Hazards Lab, Kent State University, *Racial Disparities In The Physical Activity (Pa) Environments For Children In Post-Disaster Neighborhoods*.

11:00 Tom Cova*, University of Utah, *Protective Action Triggers: Modeling & Analysis*.

11:20 Rutherford V Platt*, Gettysburg College, *A Data Fusion Approach to Assessing Wildfire Hazard to Structures in the WUI*.

2272. Rumors, Unrest, Independence, and Separation: Politics in a Digital Age

Room: *Cordoban, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Angela Subulwa, University of Wisconsin Oshkosh

10:00 Stephen Young*, University of Wisconsin-Madison, *Rumor Control and the Anticipation of Urban Unrest*.

10:20 William J Hogan*, University of South Carolina, *Inculcating nationalist ideologies in the Basque region through language education*.

10:40 Timothy Cloonan Kelleher*, Florida State University, *The Negotiability of Statehood*.

11:00 Adam Bennett*, St. Cloud State University, *Political Geography in the Digital Age*.

11:20 Angela Subulwa, PhD*, University of Wisconsin Oshkosh, *Shake your neighbor: Western Zambia's independence movement*.

*** Continued into next slot, 2675

2273. Weather, Climate, and Health Part II: Heat- and Cold-Related Morbidity and Mortality (Sponsored by Climate Specialty Group)

Room: *Corinthian, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): David Hondula, The University of Virginia; Adam Kalkstein, United States Military Academy

CHAIR(S): Adam Kalkstein, United States Military Academy

10:00 Scott Sheridan*, Kent State University, *The association of weather with mortality and morbidity in New York City using distributed-lag models, and the role of seasonality*.

10:15 Grady Dixon*, Department of Geosciences, Mississippi State University; Mark Sinyor, Sunnybrook Health Sciences Centre, Department of Psychiatry, University of Toronto; Ayal Schaffer, Sunnybrook Health Sciences Centre, Department of Psychiatry, University of Toronto; Anthony Levitt, Sunnybrook Health Sciences Centre, Department of Psychiatry, University of Toronto, *Weather Effects on Suicide Rates in Ontario, Canada*.

10:30 Wen-Ching Chuang*, Arizona State University; Patricia

Gober, Arizona State University; University of Saskatchewan, Canada; Jay Golden, Duke University, *Temporal analysis of temperatures and heat-stress calls in warmer cities: A comparative study of Chicago, Illinois and Phoenix, Arizona (2003-2006)*.

10:45 Jeremy M. Spencer*, Kent State University, *Web-based Hypothermia Literature: A Critical Review*.

11:00 David M. Hondula*, University of Virginia; Robert E. Davis, University of Virginia; Rachael K. Diniega, University of Virginia; David B. Knight, University of Queensland, *Intra-urban variability in health risks from extreme heat: What can be done?*.

Discussant(s): Adam Kalkstein, United States Military Academy

2274. Ecological Challenges and Dynamic Livelihoods in Southeast Asia (Sponsored by Asian Geography Specialty Group)

Room: *Corsican, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): John Bowen, Central Washington University

CHAIR(S): John Bowen, Central Washington University

10:00 Ashley Enrici*, University of Maryland, *REDD+ Implementation in Indonesia*.

10:20 John Felkner*, Florida State University; Sabina Shaikh, University of Chicago; Alan Kolata, University of Chicago; Michael Binford, University of Florida; Matti Kummu, Aalto University, Finland, *Integrative Modeling of the Interactions, Connectivity and Interdependence of Water Systems and Ecosystem Services in the Lower Mekong Basin*.

10:40 Nathan J. Bennett, BEd, MES, PhD Candidate*, University of Victoria; Dearden Philip, PhD, University of Victoria; Tyler Stephen, PhD, University of Victoria; Ana Maria Peredo, PhD, University of Victoria, *Coastal Communities at the Crossroads of Climate Change and Economic Globalization on the Andaman Coast of Thailand*.

11:00 Sarah Delisle, B.A (ADES)*, McGill University; Sarah Turner, PhD, Associate Professor, McGill University, *Emerging dilemmas: The upland agrarian transition, extreme weather events and ethnic minority coping strategies in northern Vietnam*.

11:20 Ann Evans Larimore*, University of Michigan, *WTO, Industrial Agriculture, and Agroecology: Global Encounters*.

2275. Critical Geography Perspectives in Educational Research (Sponsored by Qualitative Research Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: *Florentine, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Melissa Gilbert, Temple University; Decoteau J Irby, University of Wisconsin-Milwaukee

CHAIR(S): Elizabeth Drame, University of Wisconsin-Milwaukee

10:00 Melissa R Gilbert, PhD*, Temple University; Decoteau Irby, PhD, University of Wisconsin - Milwaukee, *Critical Geographic Perspectives on Urban Educational Research*.

10:20 Mechelle Puckett*, Georgia State University; Katherine Hankins, Ph.D., Georgia State University; Erin Ruel, Ph.D., Georgia State University; Deirdre Oakley, Ph.D., Georgia State University, *Student Mobility in the Neoliberal City*.

10:40 Decoteau J Irby*, University of Wisconsin-Milwaukee, *Understanding the Nested Nature of Racialization in the Context of Participatory and Collaborative Research*.

11:00 Elizabeth Drame, Ph. D.*, University of Wisconsin-Milwaukee, *Exploring researcher positionality in a community-based participatory research project*.

Discussant(s): Meghan Cope, University of Vermont

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2276. **Housing: Affordability, Assistance, and Subsidies**

Room: *Grecian, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mike Van Atta

10:00 Chowdhury Md. Zaber Sadeque*, PhD Candidate, Department of Urban Planning and Design, The University of Hong Kong; Rebecca L. H. Chiu, Professor, Department of Urban Planning and Design, The University of Hong Kong, *The Housing Affordability Problems of the Middle-income Groups in Dhaka: A Policy Environment Analysis*.

10:20 Jie Mao*, The University of Hong Kong; Rebecca Lai Har Chiu, The University of Hong Kong, *Effectiveness of Subsidized Home Ownership Scheme In Beijing*.

10:40 Caitlin M. Ryan*, CU Boulder, *Property, Humanitarianism and the State: Housing Assistance to Internally Displaced Persons in the Republic of Georgia*.

11:00 Dylan Simone*, McMaster University; K Bruce Newbold, PhD, McMaster University, *Housing Trajectory of Newcomers to Canada: Analysis of the Longitudinal Survey of Immigrants to Canada, 2001-2005*.

11:20 Mike Van Atta*, Virginia Tech; Robert Oliver, PhD, Virginia Tech; Laurence W. Carstensen, PhD, Virginia Tech, *Constricted Urban Planning: Investigating the Site and Suitability of Low-Income Housing in Fairfax County, VA*.

2277. **Land Systems Science Symposium: Case Studies - Latin America (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: *Heinsbergen, Biltmore, Lobby Level* (Paper Session)

ORGANIZER(S): Richard Aspinall

CHAIR(S): Kenneth Young, University of Texas at Austin

10:00 Julio C. Postigo*, National Socio-Environmental Synthesis Center (SESYN), *High Andean Pastoral Land System Responses to Social Environmental Change*.

10:20 Laurel Suter*, University of California, Santa Barbara; David L Lopez-Carr, University of California, Santa Barbara, *Pasture and the agricultural frontier of Petén: the Sierra del Lacandón National Park, Guatemala*.

10:40 Kenneth R Young*, University of Texas at Austin; Molly H Polk, University of Texas at Austin; Asuncion Cano, Museo de Historia Natural, UNMSM, Lima, Peru; Blanca Leon, Museo de Historia Natural, UNMSM, Lima, Peru; University of Texas at Austin, *Vegetation change across a mountain range: Using a land systems approach to examine the Cordillera Blanca of northwestern Peru*.

11:00 Clifford Patterson*, The National School of Surveying, The University of Otago; Pascal Sirguey, PhD., The National School of Surveying, The University of Otago; G. Brent Hall, PhD., Esri Canada and The National School of Surveying, The University of Otago, *Local Processes of Land Dynamics in the New River Watershed, Belize: An Integrated Approach*.

11:20 Rinku Roy Chowdhury*, Indiana University; Marc Simard, NASA Jet Propulsion Laboratory; Temilola Fatoyinbo, NASA Goddard Space Flight Center; Edgar Espinoza, Indiana University; Victor Rivera Monroy, Louisiana State University, *Landscape and Anthropogenic Contexts of Mangrove Structure, Pattern and Change in the Yucatan Peninsula, Mexico*.

2278. **Complex Urban Systems - supported by the IGU Urban commission 2012-2016: <http://www.unil.ch/igu-urban>**

Room: *Mediterranean, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Celine Rozenblat, Universite De Lausanne

CHAIR(S): Celine Rozenblat, Universite De Lausanne

10:00 Celine Rozenblat*, Universite De Lausanne, *Typology of cities' positions in the Globalization of multinational firms*.

10:20 Aurelie Delage*, University of Lyons, *Back on tracks. Urban Projects around High Speed Train Stations as a Way to catch up with Globalization in Shrinking Cities..*

10:40 Joel Querci*, Ph.D Student at the UMR 7300 ESPACE, *Evolution and systemic processes of the Indian urban system*.

11:00 Sylvestre Duroudier*, University Paris 7 Denis Diderot, *Intermediate cities in the US: discussing the thresholds of a category*.

Discussant(s): Zachary Neal, Michigan State University

2279. **Rethinking Cities (Sponsored by Global Urbanization)**

Room: *Moroccan, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Murray Low, London School of Economics

10:00 Nikolai Roskamm*, TU Berlin, *The vacant city: The field of urbanism and post-foundational thinking*.

10:20 Stephen P Boatright, M. Phil.*, CUNY Graduate Center, *Multi-Valiant Contingencies of Homeownership Stability: A Phenomenological Slice of Prospective Homebuyer Life*.

10:40 Shin Koseki*, Ecole polytechnique fédérale de Lausanne, *The Influence of Urban Spatial Practices on Moral Schemes: Analyzing the Cognitive Construction of Spatial Globalization Through Experimental Moral Philosophy..*

11:00 Murray Low*, London School of Economics, *Problematic individuals: casing, comparing and exemplifying cities*.

11:20 Gil Latz*, IUPUI, *Internationalization and the Stewardship of Urban Places*.

2280. **Situating the Geoweb as Technoscience II**

Room: *Roman, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Craig Dalton, Bloomsburg University of PA; Matthew W. Wilson, University of Kentucky

CHAIR(S): Craig Dalton, Bloomsburg University of PA

10:00 Craig Dalton*, Bloomsburg University of PA, *Seeing the World through Google's Eyes: Google's business and its mapping*.

10:20 Barbara Poore*, United States Geological Survey, *The Tyranny of the Tag Cloud: Trust in the GeoWeb*.

10:40 Keith Woodward*, University of Wisconsin-Madison; Harriet Hawkins, Royal Holloway; Sallie A Marston, University of Arizona, *The Visualizing Subject and the Visualization Production Process*.

11:00 Raz Schwartz, Postdoctoral Researcher, Social Media Information Lab at Rutgers University; Germaine Halegoua, Assistant Professor*, University of Kansas, *A Map of One's Own: Self Geographies and Identity Work on the Geoweb*.

Discussant(s): Daniel G Cockayne, University of Kentucky

WEDNESDAY, APRIL 10 • 11:50 AM

**2322. Jack Dangermond Lunchtime Plenary:
GIS as a Platform: Leveraging the Cloud/Device Pattern**

Room: San Francisco, Westin, Level 2

Wednesday, April 10, 11:50 a.m. - 12:30 p.m.

Welcoming remarks: **Eric Sheppard**, AAG President, University of California, Los Angeles

Speakers: **Jack Dangermond**, Esri
Bernie Szukalski, Esri

**2355. Journal of Geography in Higher Education Annual Lecture:
A Road Map for Research in Geography in Higher Education
(Sponsored by International Network for Learning &
Teaching Geography in Higher Education (INLT))**

Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Paper Session)
Wednesday, April 10, 11:50 a.m. - 12:30 p.m.

ORGANIZER(S): Derek France, University of Chester

CHAIR(S): Derek France, University of Chester

Introducer: Derek France

11:55 Sarah Witham Bednarz*, Texas A&M University, *A Road Map for Research in Geography in Higher Education.*

2325. AAG Specialty & Affinity Group Chairs' Meeting

Room: Emerald Bay, Westin, Level 3 (Meeting Session)

Wednesday, April 10, 11:50 a.m. - 12:40 p.m.

(light lunch will be provided)

A follow-on session will be held in the same room from 12:40 p.m. - 2:20 p.m.

AAG Department Chairs' Luncheon

Room: Avalon, Westin, Level 3

Wednesday, April 10, 12:00 p.m. - 2:00 p.m.

Chair: **Julie Winkler**, Michigan State University

The Department Chairs' Luncheon Meeting immediately follows the Department Chairs' Symposium. Chaired by AAG Vice President Julie Winkler, this meeting is open only to existing or incoming Department or Program Chairs. There is a \$35 registration fee to cover a meal during the Chairs' Luncheon Meeting. Please see the AAG Registration Desk, if you wish to sign-up to attend this event.

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

- 2402. Geographies of Hope Symposium 2: Plenary: What Exactly are Geographies of Hope? What is Hope? (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Socialist and Critical Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Indigenous Peoples Specialty Group)**

Room: Beaudry B, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Julianne A. Hazlewood, Trent-in-Ecuador, Trent University

CHAIR(S): Mark Palmer, University of Missouri-Columbia

Panelists: Victoria Lawson, University of Washington; Teo Ballvé, UC Berkeley; Bernardo M Fernandes, UNESP; Jay Johnson, University of Kansas; Kathleen McAfee, San Francisco State University; Dianne Rocheleau, Clark University; Thomas F Thornton, University of Oxford

- 2403. How we walk the talk: Action research and activist scholarship; past, present, and future #1—Re-imagining the university and its publics (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)**

Room: La Brea, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Christian Anderson, University of Washington at Bothell; Amanda Huron, University of the District of Columbia

CHAIR(S): Amanda Huron, University of the District of Columbia

Discussant(s): Kurt Iveson

Panelists: Sam Halvorsen; Camille Vergnaud; Nicole Nguyen, Syracuse University; Victoria Habermehl

- 2404. Material Culture and Geography I (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)**

Room: La Cienega, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Sara Keough, Saginaw Valley State University

CHAIR(S): Sara Keough, Saginaw Valley State University

12:40 Larry Kleitches*, Texas State University-San Marcos, *The Others in Smoky Corners: Misunderstanding over Identity in Appalachia as Illustrated through Entertainment Media.*

1:00 Brad Huff, Ph.D.*, Columbus State University, *Communities of Practice - Productive Sites for Cultural Landscape Research.*

1:20 Lydia M. Pulsipher*, University of Tennessee, *What can you make from a volcano?.*

1:40 Joseph Scarpaci*, West Liberty University, *Consumption and Cubanness on the Island.*

2:00 Melissa Malouf Belz*, Kansas State University, *Unconscious Landscapes: Identifying with a Changing Vernacular.*

- 2405. The Geography of Innovative China (Sponsored by China Specialty Group, Symposium on New Geographies of Urban China, Economic Geography Specialty Group)**

Room: Los Cerritos, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Yifei Sun, California State University, Northridge; Peilei Fan, Michigan State University

CHAIR(S): Jun Zhang, National University of Singapore

12:40 Jun Zhang*, National University of Singapore, *Triangular Positionality: Global Outsourcing and Foxconn's Negotiated Power with Clients, Workers and States.*

1:00 Weikai Wang*, *Density, Distance and Division: Research on Innovation Space in China's prefecture-level Cities.*

1:20 Nan Ding*, SUNY Buffalo, *Evolving Spatial Reorganization in the Global Fur Industry.*

1:40 Chen Wang*, Department of Earth Sciences, Zhejiang University; Aiqi Wu, School of Management, Zhejiang

University, *Geographical Knowledge Search, Intra-firm R&D Intensity, and Innovation of Clustering Firms in Zhejiang Province, China.*

2:00 Yifei Sun*, California State University, Northridge, *Attract Talents to Build Innovative Global Cities in China.*

- 2406. Violence and Space I - Warscapes (Sponsored by Political Geography Specialty Group)**

Room: Los Feliz, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Philippe Le Billon, University of British Columbia; Simon Springer, University of Victoria

CHAIR(S): Simon Springer, University of Victoria

12:40 Alan Ingram*, UCL Department of Geography, *Interventions: art and the Iraq war in the UK.*

12:58 James A. Tyner*, Kent State University, *Dead Labor and the Production of Mass Graves: Landscapes of Violence in Cambodia.*

1:16 Adam Moore*, University of California, Los Angeles (UCLA), *Outsourcing logistics and the everywhere of war.*

1:34 Gaston Gordillo*, University of British Columbia, *The Terrain as Medium of Violence: The Politics of Verticality and the Voiding of Imperial Space.*

1:52 Rachel Woodward*, Newcastle University, UK, *Tracing the Violence of Military Landscapes.*

- 2407. From cluster to process? New economic geographic perspectives on knowledge generation III: Locally Situated and Globally Connected**

Room: Palos Verdes, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Johanna Hautala; Oliver Ibert, Department of Geography, University of Bonn

CHAIR(S): Sebastian Henn, Leibniz-Institute for Regional Geography

12:40 Laura James, Dr*, Stockholm University; David Guile, Prof, Institute of Education, London, *Innovation, knowledge and learning across time and space: from system to practice-based approaches.*

1:00 Johanna Hautala*, University of Oulu, *Artistic Knowledge Creation in Space and Time: International Artists in Remote North.*

1:20 Jenny Sjöholm*, Department of Social and Economic geography, *Tracing knowledge creation in the visual arts: an object-oriented, procedural and dynamic approach to professional learning and knowledge.*

1:40 Jukka T Teras*, University of Turku, Finland, *Building second generation mining clusters in North Finland.*

2:00 Ana Vera-Martin*, Universitat Autònoma de Barcelona; Montserrat Pallares-Barbera, Universitat Autònoma de Barcelona, *Temporary uses of economic spaces in the construction of firm's value added chain. The case of Grifone S. A..*

- 2408. Suburban Dreamscape to Suburban Nightmare? II: Uneven Development, Deregulation, and Abandonment (Sponsored by Urban Geography Specialty Group)**

Room: San Bernardino, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Christopher Nietd, Hofstra University; Paul J Maginn, University of Western Australia

CHAIR(S): Paul J Maginn, University of Western Australia

12:40 Laam Hae*, York University, *The Post-Developmental Urbanization: the Case of Deregulation of Greenbelts in the Seoul Metropolitan Area.*

1:00 Erin Goodling*, Portland State University; Jamaal Green, Portland State University; Nathan McClintock, PhD, Portland State University, *The dream may be alive in Portlandia? but not in East Portland: Uneven development and food insecurity in a sustainable city's suburbia.*

1:20 Peter Ekman*, University of California, Berkeley, *Situating Suburban Ruin: The Morphology and Materiality of*

WEDNESDAY, APRIL 10 • 12:40 PM - 2:20 PM • 2400*Abandonment.*

- 1:40 Tim Keogh, M. Phil*, The Graduate Center, City University of New York, *Nightmares within Dreamscapes: the growth of poverty in post-World War II Long Island, 1945-1980.*

2409. Africa VII - Socio-Economic Issues (Sponsored by Africa Specialty Group)

- Room:* *San Fernando, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
 CHAIR(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
 12:40 Milo J Vejraska*, San Diego State University - Department of Geography, *Image metrics as indicators of socioeconomic and housing conditions in slum neighborhoods of Accra, Ghana.*
 1:00 Puyang Li*, Arizona State University; Wei Li, Professor, *Global South Relations and Power Balance: Chinese in Africa and African in China.*
 1:20 Gashawbeza Bekele*, Tennessee State University, *Harnessing the New African Diaspora for Africa's Development: Opportunities and Challenges.*
 Discussant(s): Iddrisu Adam, University of Wisconsin - Marshfield Campus

2410. Paleorecords of our Changing Earth III: Climate and Landscape Development in the Middle and High latitudes (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

- Room:* *San Gabriel A, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Michelle Goman, Sonoma State University; Catherine Yansa, Michigan State University
 CHAIR(S): Sally Horn, University of Tennessee
 12:40 Catherine Yansa*, Michigan State University, *Development of the Great Plains grassland biome during the Quaternary Period.*
 1:00 Danielle Haskett*, The University of Georgia; David F Porinchu, The University of Georgia, *A Chironomid-based Reconstruction of Late Quaternary Thermal Conditions at the Snowmastodon Site, Snowmass Village, Colorado.*
 1:20 Michael Pisarcic*, Brock University; Joshua R. Thienpont, Queen's University; Peter deMontigny, Carleton University; Joelle Perreault, Carleton University; Terry Armstrong, Environment and Natural Resources, Northwest Territories; Sjoerd van der Wielen, Aurora College; Wayne Condon, Aurora College; Jules Blais, University of Ottawa; Linda Kimpe, University of Ottawa; Steven Kokelj, Renewable Resources and Environment, Aboriginal Affairs and Northern Development Canada; John Smol, Queen's University, *Recent lake expansion across the Great Slave Lowlands and Plain, Northwest Territories, Canada: Implications for mercury mobilization and bison management strategies.*
 1:40 Scott A Reinemann*, The Ohio State University; David F Porinchu, PhD, University of Georgia; Jeffery S Munroe, PhD, Middlebury College; Bryan G Mark, PhD, The Ohio State University, *Sub-fossil Midge Analysis Provides Evidence of Elevated Temperatures during the mid-Holocene in the central Great Basin, NV.*
 2:00 Megan Walsh*, Central Washington University; Kevin Haydon, Central Washington University; Haley Duke, Central Washington University, *East versus west: climatic and human influences on the fire and vegetation history of two low elevation sites in the Pacific Northwest.*

2411. Economic Geography III - Migration and Labor Mobility Patters, and Economic Evolution (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)

- Room:* *San Gabriel B, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Dieter F. Kogler, University College Dublin; Helen Lawton Smith, Birkbeck University of London
 CHAIR(S): Maryann Feldman
 12:40 Rikard Eriksson*, Umea University, Sweden; Martin Henning, Lund University, Sweden, *Regional economic evolution and job destruction: Does change benefit everyone?.*
 1:00 Riccardo Cappelli*, Utrecht University; Ron Boschma, Utrecht University; Tom Broekel, Leibniz University of Hanover; Anne Otto, Institute of Employment Research (IAB), *Labour Mobility and Industry Evolution.*
 1:20 Ron Boschma*, Utrecht University; Bram Timmermans, Aalborg University, *The effect of intra- and inter-regional labour mobility on plant performance in Denmark: the significance of related labour inflows.*
 1:40 Andres Rodriguez-Pose*, London School of Economics; Viola von Berlepsch, London School of Economics, *Does the national origin of migrants make a difference for economic development? The long-term economic impact of migration in the US.*
 Discussant(s): Helen Lawton Smith, Birkbeck University of London

2412. Business Geography in the Classroom (Sponsored by Geography Education Specialty Group, Business Geography Specialty Group)

- Room:* *San Gabriel C, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Wes Stroh, Penn State University
 CHAIR(S): Wes Stroh, Penn State University
 Discussant(s): Tony Hernandez, Ryerson University
 Panelists: Murray D Rice, University of North Texas; Wes Stroh, Penn State University; Jay Lee, Kent State University; Fred Miller, Murray State University

2413. Working Abroad: International Job Opportunities for Geographers (Sponsored by Enhancing Departments and Graduate Education project (EDGE))

- Room:* *San Pedro, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Joy K. Adams, Association of American Geographers; Mark Revell, Association of American Geographers
 CHAIR(S): Niem Huynh, Association of American Geographers
 Panelists: Adelle Thomas, Rutgers University; Julio Postigo, National Socio-Environmental Synthesis Center; Pablo Fuentenebro, United Nations Environment Programme; Jeremy Tasch, Towson University; Wen Lin, Newcastle University; Helen D Hazen, Macalester College

2417. Practicing Geography III: Undergraduate Internship and Fieldwork Reflections (Sponsored by Enhancing Departments and Graduate Education project (EDGE))

- Room:* *Santa Barbara A, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): JoAnn (Jodi) Vender, Pennsylvania State Univ
 CHAIR(S): JoAnn (Jodi) Vender, Pennsylvania State Univ
 Panelists: Branden Belajac, Penn State University

2418. CyberGIS Symposium: CyberGIS Technologies (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room:* *Santa Barbara B, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign
 CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign

WEDNESDAY, APRIL 10 • 12:40 PM - 2:20 PM • 2400**2419. Spatial and Spatio-Temporal Data Mining & Visualization (1): Events and Trajectories (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**

Room: Santa Barbara C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Diansheng Guo, University of South Carolina; Harvey Miller, University of Utah

CHAIR(S): Harvey Miller, University of Utah

12:40 Atsushi Nara, PhD*, University of Oklahoma; Marguerite Keesee, PhD, University of Oklahoma; Mukul Sonwalkar, PhD, University of Oklahoma; William Greenwood, University of Oklahoma; Meredith Denney, University of Oklahoma; May Yuan, PhD, University of Oklahoma, *Space-Time Analytics of Movement Patterns from GPS Data*.

1:00 Anthony C Robinson, PhD*, GeoVISTA Center, Department of Geography, The Pennsylvania State University; Frank Hardisty, PhD, GeoVISTA Center, Department of Geography, The Pennsylvania State University; Sam Stehle, GeoVISTA Center, Department of Geography, The Pennsylvania State University; Donna Peuquet, PhD, GeoVISTA Center, Department of Geography, The Pennsylvania State University, *Visualizing Event Sequences in Geographic Data with STempo*.

1:20 Brandon Zook*, Florida State University; Tetsuo Kobayashi, Florida State University, *Interactive geovisual analytical toolkit for team sports*.

1:40 Muhammed Y. Idris*, The Pennsylvania State University; Jennifer M Smith, Pennsylvania State University; Joshua Stevens, The Pennsylvania State University, *NVizABLE: A Network Visualization and Big Data Learning Environment*.

2:00 Hu Wang*, University of South Carolina; Diansheng Guo, University of South Carolina, *Analyzing Flow Data Using Statistical Modeling: A Case Study of Domestic U.S. Migration*.

2420. Global City Challenges: Debating a Concept, Improving the Practice. (Sponsored by Global Urbanization, Urban Geography Specialty Group)

Room: Sacramento, Westin, Level 2 (Panel Session)

ORGANIZER(S): Michele Acuto, Oxford Programme for the Future of Cities, University of Oxford

CHAIR(S): Michele Acuto, Oxford Programme for the Future of Cities, University of Oxford

Introducer: Michele Acuto

Discussant(s): Oli Mould; Roger Keil, York University

Panelists: Ben Derudder, Ghent University; Michael Hoyler, Loughborough University; Mark Graham, University of Oxford; David Bassens

2423. European Energy Dilemmas - The European and Urban Regional Studies Lecture

Room: San Jose, Westin, Level 2 (Panel Session)

ORGANIZER(S): Mike Raco, University College London

CHAIR(S): Mike Raco, University College London

12:40 Michael J Bradshaw, University of Leicester

2426. Developing Fundamental Geospatial Datasets for Sustainable Development in Africa

Room: Hollywood Ballroom, Westin, Level 3 (Panel Session)

ORGANIZER(S): Candida Mannozi, Association of American Geographers

CHAIR(S): Sivanesen Govender, EIS-AFRICA

Discussant(s): Shuaib Lwasa

Panelists: Lee R. Schwartz, U.S. Department of State; Sivanesen Govender, EIS-AFRICA

2427. Producing Disease: Exposure, Environmental Quality, and Health Outcomes (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica A, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): PC Lai, The University of Hong Kong

12:40 Patricia Polo*, PUCE/Andina, *Producing disease:*

Examining the relationship between the banana agribusiness and human health in Los Rios Province of Ecuador.

1:00 Ben Kreisman, PhD Student*, University of Denver, *Hydraulic Fracturing and Health Outcomes: A Statistical and Spatial Approach*.

1:20 Yongmei Lu*, Texas State University - San Marcos, *Individual-based Air Pollution Exposure Assessment*.

1:40 Yelena Ogneva-Himmelberger*, *Birth Weight Disparities in Massachusetts: Spatial Analysis of Associations with Socio-demographic Factors and Air Pollution*.

2:00 Benjamin Zhan*, Texas State University-San Marcos; Jing Yang, University of North Carolina-Charlotte; Jean D Brender, Texas A & M Health Science Center; Peter Langlois, Texas Department of State Health Services; Xi Gong, Texas State University-San Marcos; Chong Zhang, University of North Carolina-Charlotte, *Visual Exploration of Geospatial Data to Identify Risk Factors of Birth Defects: Fetching a Trace of Bad Air in the Sky*.

2428. Geo-Health Research at NIH: Issues in modelling population based cancer statistics (Sponsored by Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group, Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica B, Westin, Level 3 (Paper Session)

ORGANIZER(S): Dave Stinchcomb; Zaria Tatalovich, National Cancer Institute

CHAIR(S): Zaria Tatalovich, National Cancer Institute

12:40 Alicia Rolin*, National Cancer Institute; Zaria Tatalovich, Ph.D., National Cancer Institute; Angela Mariotto, Ph.D., National Cancer Institute, *A Spatial and Statistical Method to Enable Computation of Cancer Statistics at the Congressional District Level*.

1:00 Shunpu Zhang, Ph.D., University of Nebraska; Jun Luo, Ph.D., Information Management Services; Li Zhu, Ph.D., National Cancer Institute; David Stinchcomb, Westat, Inc; Dave Campbell, Information Management Services; ginger carter, information management services; Scott Gilkeson; Eric J Feuer, National Cancer Institute, *Confidence Intervals for Ranked Age-adjusted Rates across Geographic Units*.

1:20 Dave Stinchcomb*, Westat, Inc; Mandi Yu, National Cancer Institute; James T. Gibson, IMS; Steve Scoppa, IMS; Kathy Cronin, National Cancer Institute; Zaria Tatalovich, National Cancer Institute, *Using Census Intercensal Population Estimates for Disease Surveillance*.

Discussant(s): Gerard Rushton, University of Iowa; Geoffrey Jacquez, State University of New York at Buffalo

2429. Migration Markets: spaces of governance, debt, and desire

Room: Santa Monica C, Westin, Level 3 (Paper Session)

ORGANIZER(S): Rachel Silvey, U. of Toronto

CHAIR(S): Philip Kelly, York University

12:40 Hung Cam Thai*, Pomona College, *The New Saigon as the City of Disparity, Affection, and Memory*.

1:00 Rachel Silvey*, U. of Toronto, *Banking on Bodies: Desire and Risk in the Indonesian Migration Industry*.

1:20 Philip Kelly*, York University, *Transitioning to the 'Open' Labour Market: Governance Regimes and Employment Opportunities for Former Live-In Caregivers in Canada*.

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1:40 Rhacel Parrenas*, University of Southern California, 3.
Neither Free nor Enslaved: The Bound Labor of Unskilled Migrant Workers.

2430. Fluvial Geomorphology I (Sponsored by Geomorphology Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Inci Guneralp, Texas A&M University

CHAIR(S): Michael C Slattery, Texas Christian University

12:40 Yuki Hamada, Ph.D*, Argonne National Laboratory; Ben L O'Connor, Ph.D, Argonne National Laboratory, *Characterizing Ephemeral Stream Channels and Networks in Arid Environments Using Airborne Very High Spatial Resolution Multispectral Remote Sensing.*

1:00 Petteri Alho*, Adjunct Professor; Elina Kasvi, MSc; Juha Hyypä, Professor; Hannu Hyypä, Adjunct professor; Claude Flener, MSc; Eliisa Lotsari, Dr., *Change Detection of Riverine Environment Based on Laser Scanning.*

1:20 Peyton E Lisenby*, School of Geology, Energy, and the Environment, Texas Christian University, Fort Worth, TX 76129, USA; Thad A Waskiewicz, Department of Geography, East Carolina University, Greenville, NC 27858, USA; Michael C Slattery, School of Geology, Energy, and the Environment, Texas Christian University, Fort Worth, TX 76129, USA, *A Reach-Scale Characterization of a Second-Order, Tropical, Montane Stream: Using Terrestrial Laser Scanning to Relate Channel Morphology to the Distribution of Stream Power and Shear Stress.*

1:40 Billy Hales*, Texas A&M University; Inci Guneralp, Texas A&M University; Anthony Filippi, Texas A&M University, *Morphological Heterogeneity and Variability in an Incised Meander of the Brazos River, Texas.*

2:00 Genevieve Munsey*, San Francisco State University, *Geomorphology at the confluence of stream restoration and flood control.*

2434. New Perspectives to Paleoenvironmental Change and Geoarchaeology II (Sponsored by Human Dimensions of Global Change Specialty Group, Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Matthew Peros, Bishop's University; Duncan Cook

CHAIR(S): Duncan Cook

12:40 Thomas Garrison*, University of Southern California, *The Intersection of Urban and Natural Landscapes at El Zotz, Guatemala.*

1:00 Mike Benedetti*, UNCW Geography & Geology, *The role of Heinrich Events in late Quaternary landscape evolution and Paleolithic archaeological records from the central Portuguese coast.*

1:20 Sheryl Luzzadder-Beach*, George Mason University; Timothy Beach, Georgetown University; Stephen Houston, Brown University; Thomas Garrison, University of Southern California; James Doyle, Brown University; Jonathan Flood, George Mason University; Steven Bozarth, University of Kansas, *Paleoecology and Geoarchaeology in the Central Peten of Guatemala at Zotz and Palmar.*

1:40 Jeff Crawford, University of Nevada, Reno; Scott Mensing*, University of Nevada - Reno; Frank K Lake, USFS Pacific Southwest Research Station; Susan Zimmerman, Lawrence Livermore National Laboratory CAMS, *Combining paleoecological and archaeological evidence to identify prehistoric Native American influences on forest structure in the Klamath Mountains, California.*

2:00 Anna Klimaszewski-Patterson*, University of Nevada,

Reno; Scott A Mensing, University of Nevada, Reno; Linn Gassaway, US Forest Service, Sequoia National Forest; Susan R. H. Zimmerman, Lawrence Livermore National Labs, CAMS, *Reconstructing 1,000 years of paleoecology and environmental archaeology at Holey Meadow, Sequoia National Forest, CA.*

2435. Political Activism I: Public Space and Planning (Sponsored by Political Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)

Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Peter Wood, Florida State University

CHAIR(S): Peter Wood, Florida State University

12:40 Sayoni Bose*, Ohio State University, *India's Contested Lands: Growth and the Question of Legitimation.*

1:00 Nicole Cook, Ph.D. BSc (Hons)*, The University of Melbourne; Elizabeth J Taylor, Ph.D. BUPD (Hons), The University of Melbourne, *Restructuring participation: resident objection to compact city planning in low-density suburbs.*

1:20 Tyler J Duffy*, *Negotiating Space and Contesting Regimes of Publicity: The rise and fall of Occupy camps in Eugene, OR and Madison, WI.*

1:40 Momen El-Husseiny*, University of California, Berkeley, *Security Capitalism & Gated Architectures in Contemporary Cairo.*

2436. Urban utopias and heterotopias: Theorizing, analyzing, and evaluating urban spaces (I)

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Christina Maria West; Thomas Doerfler, University of Goettingen

CHAIR(S): Christina Maria West

12:40 Mark Featherstone, Dr*, Keele University, *Dis-United Kingdom: Division, Encounter, and Utopianism in Heterotopic Britain.*

1:00 Nezihe Basak Ergin*, Middle East Technical University, *[Hetero]-[U]-[Eco]topias (Social Ecology) and Urban Space.*

1:20 Marc Parés*, Universitat Autònoma de Barcelona, *Neoliberal Urban Governance: Structure and Agency.*

1:40 Mireille Roddier*, University of Michigan, *Detroit: A Tale of Two Cities.*

Discussant(s): Christina Maria West

2437. French Geopolitics in Action (3): Balancing Theory and Practice (Sponsored by Political Geography Specialty Group, History of Geography Specialty Group, European Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Panel Session)

ORGANIZER(S): Guntram Herb, Middlebury College; Frederick Douzet, French Institute of Geopolitics, University of Paris 8

CHAIR(S): Guntram Herb, Middlebury College

Introducer: Guntram Herb

Discussant(s): Kevin Cox, Ohio State University; Jouni Hakli, University of Tampere

Panelists: Sarah Mekdjian, Université Pierre Mendes France; Frederick Douzet, French Institute of Geopolitics, University of Paris 8; David Kaplan, Kent State University

2438. Leftward in Latin America?

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Laura Cesafsky, University of Minnesota

CHAIR(S): Laura Cesafsky, University of Minnesota

12:40 Ben Kohl*, Temple University, *The Persistence of Neoliberalism in Morales's Bolivia.*

1:00 Laura Cesafsky*, University of Minnesota, *Left Infrastructures: Alternative Transportation in Bogotá and Medellín..*

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1:20 Carolina Sternberg, PhD*, DePaul University, *Leftward in Latin America? Buenos Aires' Zero-Tolerance Policies and Revanchism.*

1:40 Kathleen Schroeder, Ph.D.*, Appalachian State University, *Evo Morales' Bolivia: Successes and Disappointments in a Plurinational State.*

2439. Mountain Glaciers: Changes and Resource Impacts (Sponsored by Cryosphere Specialty Group, Water Resources Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: *Laguna Parlor 3068, Westin, 30th Floor (Paper Session)*

ORGANIZER(S): Jeffrey VanLooy, University of North Dakota; Gregory Vandeberg, University of North Dakota

CHAIR(S): Jeffrey VanLooy, University of North Dakota

12:40 Martina Neuburger*, University of Hamburg; Georg Kaser, University of Innsbruck; Katrin Singer, University of Hamburg; Wolfgang Gurgiser, University of Innsbruck, *Peasant vulnerability, glacier mass decline and water availability: Case study concerning the effects of changing runoff regimes in the Cordillera Blanca, Peru.*

1:00 Gregory S Vandeberg*, University of North Dakota; Jeffrey VanLooy, University of North Dakota; Clément Miège, University of Utah; David Butz, University of North Dakota, *Glacial Melt Water Dynamics in the Northern Wind River Range, Wyoming.*

1:20 Jeffrey VanLooy*, University of North Dakota; Richard Forster, University of Utah; Clement Mieg, University of Utah; Gregory Vandeberg, University of North Dakota, *Calculating ice volume and estimating remaining "life span" of Continental Glacier: Wyoming using ice penetrating radar and surface elevation data..*

2440. Managing Coastal Resources at the Local Scale (Sponsored by Coastal and Marine Specialty Group)

Room: *Malibu Parlor 3018, Westin, 30th Floor (Paper Session)*

ORGANIZER(S): Michael Griffin, East Carolina University; Andrew Bennett, East Carolina University

CHAIR(S): Andrew Bennett, East Carolina University

12:40 Priyanka Ghosh, PhD Candidate*, University of Kentucky, *Biodiversity Conservation, Shabar and the Marine Fisherfolk of the Sundarban Biosphere Reserve.*

1:00 Robbie Munroe, Coastal Resource Management PhD Student*, East Carolina University, *Storm Surge and Coastal Storm Climatology: Duck, North Carolina.*

1:20 Courtney Pickett*, Duke University, *Resident values and perceptions of a changing sense of place on Ocracoke Island, North Carolina.*

1:40 Michael T Griffin*, East Carolina University, *Assessing Coastal North Carolina Fresh Water Resources.*

2:00 Matthew Marsik*, The Nature Conservancy; Paul Dye, The Nature Conservancy; Zach Ferdaña, The Nature Conservancy; Tom Kollasch, The Nature Conservancy; Charles Steinback, Ecotrust; Jon Bonkoski, Ecotrust; Scott Fletcher, Ecotrust; Matt Perry, Ecotrust; Tim Welch, Ecotrust, *Web-based Decision Support: Community-based Coastal and Marine Spatial Planning for Washington.*

2441. Tourism as Development in Asia - Session 1 (Sponsored by Recreation, Tourism, and Sport Specialty Group, Development Geographies Specialty Group)

Room: *Malibu Parlor 3038, Westin, 30th Floor (Paper Session)*

ORGANIZER(S): H Karst; Li Yang, Western Michigan University

CHAIR(S): Rudi Hartmann, University of Colorado

12:40 Megan Youdelis, PhD Candidate*, York University, *Sustainable Competition?: Local Entrepreneurship in Ecotourism in Northern Thailand.*

1:00 Heidi Karst*, University of Waterloo, *Tourism, Development, and Wellbeing in Bhutan.*

1:20 Joseph Martin Cheer*, Monash University; Keir James Reeves, Dr, Monash University; Gertjan Plets, Gent University, Belgium, *Mediating Tourism, Culture and Heritage in a Traditional Economy Context: Critical Development and Cultural Geographies of Traditional Peoples.*

1:40 Sanjay Nepal*, University of Waterloo, *The Political Economy of Heritage Tourism in the Upper Mustang Region of Nepal.*

2:00 Xiaoyan Luo*, School of Tourism Management, Sun Yat-sen University; Chaozhi Zhang, School of Tourism Management, Sun Yat-sen University, *Impact of Place Attachment upon Residents' Perception Responsibility for Heritage Protection and Tourism Development in China.*

2442. People and Plants: Sustainable Use, Valuation, and Conservation of Natural Resources, including Non-Timber Forest Products (NTFPs) (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: *Malibu Parlor 3058, Westin, 30th Floor (Paper Session)*

ORGANIZER(S): Christine M Mitchell, FAU Geosciences; Maria Fadiman, Florida Atlantic University

CHAIR(S): Maria Fadiman, Florida Atlantic University

12:40 Matthew C. LaFevor*, The University of Texas at Austin, *The Role of Agave (Maguey) in Soil and Water Conservation in Tlaxcala, Mexico.*

1:00 Maria Fadiman*, Florida Atlantic University, *Non-Timber Forest Products (NTFP) and Sustainable Development: Palm use in Ecuador..*

1:20 Victoria Walsey*, University of Kansas, *Wildlife and Ecosystems Protection by Tribal Nations: Using Indigenous Cultural Values and Traditional Knowledge In Management Policy.*

1:40 Anthony R Cummings*, Syracuse University; Jane M. Read, Department of Geography, Syracuse University; Jose M V Fragoso, Department of Biology, Stanford University; Kirsten M. Silvius, Gordon and Betty Moore Foundation, *An Evaluation of the Environmental Factors Associated with the Distribution of Multiple-use Tree Species.*

2443. Landscape and Policy Transition in Inner Asia (Sponsored by Russian, Central Eurasian, and East European Specialty Group, China Specialty Group, Asian Geography Specialty Group, Global Urbanization)

Room: *Malibu Parlor 3078, Westin, 30th Floor (Panel Session)*

ORGANIZER(S): Troy Sternberg, Oxford University; Sara L Jackson, York University

CHAIR(S): Troy Sternberg, Oxford University

Introducer: Troy Sternberg

Discussant(s): Sara L Jackson, York University

Panelists: Holly Barcus, Macalester College; Lauren Bonilla, Clark University; Lauren M Herwehe, University of Arizona; Sara L Jackson, York University; Kirsten Dales, Royal Roads University; Devon Dear, Harvard University; Galen B Murton, School for Field Studies

2444. 2013 Jeanne X. Kasperson Award Winners from the Hazards, Disasters & Risks Specialty Group (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: *Malibu Parlor 3118, Westin, 31st Floor (Paper Session)*

ORGANIZER(S): Tom Cova, University of Utah

CHAIR(S): Tom Cova, University of Utah

12:40 Marilyn C. Montgomery, GISP*, University of South Florida, *Using Dasyetric Modeling to Assess the Environmental Justice Implications of Flood Hazards*

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in Miami, Florida.

1:00 Gregg Bowser*, University of South Carolina,
*Determining the Differences in Evacuation Influences
and Perceptions within the United States Elderly
Population.*

1:20 Korey R. Klein*, University of Utah, *Tracking a wildfire
in areas of high relief using volunteered geographic
information: a viewshed application.*

1:40 Chad J.R. Walker, M.A.*, Western University; Jamie
Baxter, PhD, Western University, *"Winds of Change":
Explaining Support For Wind Energy Developments in
Ontario, Canada.*

2:00 Emily Eisenhauer*, Florida International University, *The
Construction of Socio-ecological Vulnerability to
Climate Change in Miami Beach.*

**2445. Volunteered Geographic Information Science (Sponsored
by Geographic Information Science and Systems Specialty
Group)**

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Claus Rinner, Ryerson University; A-Xing
Zhu, Univ of Wisconsin

CHAIR(S): Claus Rinner, Ryerson University

12:40 Joel Meier, BA, PgD RS, MSc (2013)*, Wilfrid Laurier
University; Colin Robertson, PhD, *Evaluating
Volunteered Geographic Information Quality for social
and environmental research..*

1:00 Frida N Güiza*, UNAM; Michael K McCall, Dr, UNAM;
Antonio Vieyra, Dr, UNAM; Yadira Mendez, Dr,
UNAM, *Spatialising risk in a Mexican urban fringe:
towards understanding how 'social' violence and
'natural' hazards reinforce inequalities and poverty,
working through local spatial knowledge.*

1:20 A-Xing Zhu*, Univ of Wisconsin; Shujie Zhang, LREIS,
Institute of Geographical Sciences and Natural
Resources Research, CAS, *Uncertainty Directed Field
Sampling Design for Complementing Data from VGI.*

1:40 Claus Rinner*, Ryerson University; Victoria Fast, Ryerson
University, *A Systems Perspective on Volunteered
Geographic Information.*

Discussant(s): Eric de Noronha Vaz

2446. Stimulating Geography: Coffee Worldwide

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jorge Ruiz, Universidad Pedagógica Y Tecnológica
De Colombia

12:40 Andres Guhl*, Universidad de los Andes; Natalia Torres-
Condia, Universidad de los Andes, *Who wins and
who loses? coffee, sustainability and agricultural
certification.*

1:00 Mario Mighty, B.Sc., M.A.*, University of Florida,
*Maintaining Competitive Advantage in the Jamaican
Coffee Industry: The Response of Farmers to Recent
Challenges.*

1:20 Jamison Conley*, West Virginia University; Bradley
Wilson, West Virginia University, *Tasteful decisions:
Using decision trees to examine the spatial patterns of
taste profiles in single origin coffees.*

1:40 Jorge Ruiz*, Universidad Pedagógica Y Tecnológica De
Colombia; Leonardo Andres Neira, Universidad de La
Salle, *Determinants of organic coffee growing. Case
study of Sasaima, Colombia..*

**2447. Recycling Landscapes of Traditional Energies (energy
transitions, renewables, brownfields, and environmental
restoration) (Sponsored by Energy and Environment
Specialty Group)**

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Bohumil Frantal, Institute of Geonics, Czech
Academy of Sciences; Stanislav Martinat, Institute of

Geonics, Academy of Sciences of the Czech Republic,
Ostrava

CHAIR(S): Bohumil Frantal, Institute of Geonics, Czech
Academy of Sciences

12:40 Bohumil Frantal*, Institute of Geonics, Czech Academy
of Sciences; Robert Osman*, Institute of Geonics,
Academy of Science, Czech Republic, *Renewable
energy developments on brownfields: some evidence on
diverging policies, practices and public attitudes from
the USA, Germany and Czech Republic..*

1:00 Valeryia Fyodorova*, Chicago State University, *Suitability
Analysis of Wind Energy Development on Brownfield,
Landfill and Industrial Sites in Chicago Metropolitan
Area.*

1:16 Lynn M. Patterson, Ph.D.*, Kennesaw State University,
*Renewable Energy in Canada: Local Economic
Development Opportunities.*

1:32 Shawn K Olson*, University of Colorado, Boulder, *Green
Energy in a Red State: Cultural roadblocks and
passageways to renewable energy development in the
American West.*

1:48 Marisol Becerra*, University of Michigan, *Environmental
Justice for Whom? Brownfield Redevelopment and
Gentrification in the City of Chicago.*

2:04 Stanislav Martinat*, Institute of Geonics, Academy of
Sciences of the Czech Republic, Department of
Environmental Geography; Dan Van der Horst,
University of Birmingham, School of Geography, Earth
and Environmental Sciences, *Biogas development
as a new form of energy production: lessons from a
comparative survey in the Czech Republic and UK.*

**2450. Youth, the Borderlands, and the Spaces in Between III: (Dis)
Placed Youth (Sponsored by Sexuality and Space Specialty
Group, Borders, Indigenous Peoples Specialty Group)**

Room: Angeleno, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Denise Dixon Goerisch, San Diego State
University; Blake Hawkins, University of Northern
British Columbia

CHAIR(S): Denise Dixon Goerisch, San Diego State University

12:40 Joanna V Wiseman*, Newcastle University, *The (im)
possibility of belonging - Young asylum seekers and
refugees in Scotland.*

1:00 Anandini Dar*, Department of Childhood Studies, Rutgers
University, *Recreation Centers as Escape: negotiation
of borders and networks by South Asian teenagers in
New York City.*

1:20 Bree Akesson*, McGill University, School of Social Work,
*Arrested in Place: Palestinian Children and Families'
Experiences with Visible and Invisible Borders.*

1:40 Ruth Judge*, University College London, *Identity
construction, 'inner city' youth and international
volunteering: from a London housing estate to a
Kenyan orphanage.*

Discussant(s): Kate Swanson

**2451. "Rising to the challenge: defining the contours of a new
21st century critical urban theory": Session 1 - Redrawing
the boundaries of CUT: new contours and fresh theoretical
perspectives. (Sponsored by Global Urbanization)**

Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Chris Baker, University of Chester UK; Justin
Beaumont, University of Groningen

CHAIR(S): Justin Beaumont, University of Groningen

12:40 Mark Purcell*, University of Washington, *Goodbye, Mr.
Criticism.*

1:00 Clive Barnett*, The Open University, *What use if critical
urban theory?.*

1:20 Gordon MacLeod*, University of Durham, *Contours of a
21st Century Urban Politics.*

1:40 Chris Baker*, University of Chester UK; Justin Beaumont,

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Dr, University of Groningen, *Entangled fidelities - defining the contours of an emerging postsecular critical theory.*

Discussant(s): Paul Cloke, University of Exeter

2452. American Community Survey: Under the Hood (Sponsored by Geographic Information Science and Systems Specialty Group, Population Specialty Group, Urban Geography Specialty Group)

Room: Grand Ballroom Salon 1, The LA Hotel, Level 2 (Panel Session)
 ORGANIZER(S): David Folch, University of Colorado at Boulder; Seth Spielman, University of Colorado
 CHAIR(S): Seth Spielman, University of Colorado
 Panelists: David Folch, University of Colorado at Boulder; Julia Koschinsky, GeoDa Center @ ASU; Nicholas Nagle, University of Tennessee; Seth Spielman, University of Colorado

2453. Urban Commuting (Sponsored by Urban Geography Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Grand Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Daniel Schleith, Florida State University; Mark Horner, Florida State University
 CHAIR(S): Mark Horner, Florida State University
 12:40 Michael Niedzielski*, University of North Dakota, *Measuring the impact of nuclearity, centrality, and dispersion on work travel.*
 1:00 Kerstin Westin*, Umeå University, *Place Attachment in Growing City-regions.*
 1:20 Woo Jang*, Minnesota State University, Mankato; Xiaobai Yao, University of Georgia, *Spatio-temporal analysis of disaggregated urban commuting patterns.*
 1:40 Daniel Schleith*, Florida State University; Mark W. Horner, PhD, Florida State University, *Testing the Effects of Boundary Delineation on Measuring Excess Commuting and Jobs-Housing Balance.*

2454. Moving to Berlin 2: Memory Production (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Samuel Merrill, University College London; Sandra Jasper
 CHAIR(S): Karen E. Till, NUI Maynooth
 12:40 Jeffrey Wallen*, Hampshire College, *Memorializing a Third Space: The Scheunenviertel.*
 1:00 Samuel Merrill*, University College London, *Berlin: Active Remembrance in a Melancholic City.*
 1:20 Julia Binder*, Humboldt-Universität zu Berlin, *Fading Memories in the 'New Berlin'.*
 1:40 Beatrice Jarvis*, University of Ulster, *Das Duett des Leibes und der Stadt. Berlin. Verschieben Stadt..*
 Discussant(s): Matthew Gandy, University College London

2456. (Re)Imagining Borders in an Era of Migration and Deportation I: Mobile borders (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Borders)

Room: Highland, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Kate Coddington, Syracuse University; Jill Williams, Clark University
 CHAIR(S): Jill Williams, Clark University
 12:40 Geoffrey Boyce*, University of Arizona, *A "100-Mile Constitution-Free Zone"? The United States' Expanding Borderlands.*
 1:00 Jessica De La Ossa*, University of Arizona, *Gazing at the US-Mexico Border: Phallogocentric Historiography and the 'Everyday'.*
 1:20 Kate Coddington*, Syracuse University, *Panic! Border control and containment policies in Australia.*

1:40 Lauren Martin, PhD*, University of Oulu, *Neither Out nor In: Topological borders and contemporary immigration controls.*

Discussant(s): Jamie Winders, Syracuse University

2457. Drugs, Deserts, Oceans, Wars: Researching Illegality and Legibility I

Room: Hollywood, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Geoffrey Boyce, University of Arizona; Dominic Corva, University of Washington
 CHAIR(S): Jeffrey Banister, University of Arizona
 12:40 Miriam Bishokarma*, University of Zurich; Miriam Bishokarma, University of Zurich, *"There is one rule here - the ruling party rules" ? The illicit economy of development funds in Darjeeling.*
 12:55 Rosemary-Claire Collard*, University of British Columbia, *"Noah's ark" on the auction block: the political economy of a soon-to-be illicit commodity.*
 1:10 Timothy R Hall*, University of Gloucestershire, *Geographies of Organized Crime: Mapping the Terrain.*
 1:25 Jeremy Slack*, University of Arizona; Jeremy Slack, The University of Arizona, *Dirty Wars to Drug Wars: Mexico's Para-State Violence.*
 1:40 Michael Polson*, CUNY Graduate Center, *Regulation, Capital, and Rights in Northern California's Marijuana Economy.*

2458. Geographies of Agri-Food Systems II (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Melrose, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Jenny E Goldstein, University of California, Los Angeles (UCLA)
 CHAIR(S): Hilda Kurtz, University of Georgia
 12:40 Molly Hicks*, Antioch University New England, *Seeds and Sustainability: An Actor-network Theory Analysis of the Roles of Seeds in Industrial Agriculture and Local Agri-food Networks.*
 1:00 Rebecca Jablonski*, Cornell University, *The effect of 'local' and 'scale' in local agri-food systems.*
 1:20 Hilda E Kurtz*, University of Georgia, *Home rule and local food: A new politics of scale in Northern New England.*
 1:40 Angela Babb, Indiana University; Adrienne Bryant*, Indiana University; Daniel C Knudsen, Indiana University, *Gardening in America: Understanding the Motivations of a Nation's Pastime..*
 2:00 Luke Drake*, Rutgers University, *Geographical Analysis of North American Community Garden Organizations.*

2459. 'This Must Be the Place': The Evolving Economic Geography of Music III (Sponsored by Economic Geography Specialty Group, Communication Geography Specialty Group)

Room: Olvera, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Brian Hracs, Uppsala University; Michael Seman
 CHAIR(S): Brian Hracs, Uppsala University
 12:40 Caroline O'Meara*, The University of Texas at Austin; Caroline O'Meara, Ph.D., The University of Texas at Austin, *Sounding Live in Austin, TX.*
 1:00 Joni R. Haijen*, University of Amsterdam, *Hip Hop Tunity? The socio-economic situation of Dutch hip hop artists.*
 1:20 Jeff Rose, Ph.D.*, University of Utah, *Homelessness in the Global Urban City: Producing Public Spaces through Making Music.*
 Discussant(s): Eliot Tretter, University of Texas - Austin

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2460. Cultural Values Mapping Using Participatory GIS: Methods, Maps, and Meanings Part 1

Room: *Olympic, The LA Hotel, Level 2* (Paper Session)
ORGANIZER(S): Rebecca McLain, Institute for Culture and Ecology; David Banis, Portland State University
CHAIR(S): Mary Harman, Virginia Tech
Introducer: Rebecca McLain
12:45 Michael K. McCall, Dr.*, CIGA, Universidad Nacional Autonoma de Mexico; Minerva Campos, Dr., ICTA, Universidad Autonoma de Barcelona, *Communicating meanings of rural landscapes..*
1:05 Flurina M Wartmann*, University of Zurich, Switzerland, *What Matters for Mapping? Documenting Local Landscape Terms in the Bolivian Amazon.*
1:25 Lily A Ray, Ph.D.*, Kawerak, Inc., *Ice Seal and Walrus Harvest Mapping to Protect Indigenous Use and Articulate Local Concepts of Habitat.*
1:45 Mary Harman*, Virginia Tech; Maria Elisa Christia, Virginia Tech; Isidra Bagares, ICRAF; Agustin Mercado, ICRAF; Victor Ella, University of the Philippines-Los Banos; Manuel Reyes, North Carolina A&T, *Using Qualitative Geographic Information Systems to Explore Gendered Soils Knowledge and Access to Resources for Conservation Agriculture in the Philippines: A Mixed Methods Approach.*
Discussant(s): joni m palmer, University of Colorado at Boulder

2461. Making Market Rule(s): Micro practices to macro-movements 2 (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: *Pacific Ballroom Salon 1, The LA Hotel, Level 2* (Paper Session)
ORGANIZER(S): Joshua Akers, University of Toronto; Christopher Muellerleile, University of Wisconsin-Madison
CHAIR(S): Joshua Akers, University of Toronto
12:40 Tim Heinemann*, HafenCity University Hamburg, *Whose model makes the market? The power geometries of financial models in the Turkish Emerging Market.*
1:00 Katharina Abdo*, Goethe University, Frankfurt a.M., Germany; Marc Boeckler, Goethe University Frankfurt a.M., Germany, *Global Micro in the Making: Weather Index Insurance for Small-Scale Farmers.*
1:20 Virginia Parks*, University of Chicago, *Immigration Policy from the Shop Floor: Securing Immigrant Rights and Protections through Union Contracts.*
1:40 Jane S Pollard*, Newcastle University; Simon Down, Anglia Ruskin University; Paul Richter, Newcastle University, *Everyday Geographies of Market Making: Small Firms and the Performance of Regulation in the UK.*
Discussant(s): Jamie Peck, University of British Columbia

2462. Rail Landscapes I: Spaces and Networks - Past, Present and Future (Sponsored by Transportation Geography Specialty Group)

Room: *Pacific Ballroom Salon 2, The LA Hotel, Level 2* (Paper Session)
ORGANIZER(S): Michael Minn, University of Illinois
CHAIR(S): Michael Minn, University of Illinois
12:40 Paul R Sando, Ph.D.*, MN State University at Moorhead, *New Rail Transportation Architecture: Grain and Oil on the Plains..*
1:00 Andrew Allen*, University of Kansas, *A Spatial Examination of Railroads' Impact on Nebraska Settlement.*
1:20 Jon Malinowski*, U.S. Military Academy, *Time-Space Compression in the Nineteenth Century Hudson River Valley.*
1:40 Etienne Riot*, Ecole des Ponts ParisTech - Laboratoire Ville Mobilité Transport, *"Save our station!": community efforts to preserve train stations as historical landmarks in the 1960's and the first decade of 2000..*

2463. Take Back the Economy III: Actually Existing Community Economies (Sponsored by Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

Room: *Pacific Ballroom Salon 3, The LA Hotel, Level 2* (Paper Session)
ORGANIZER(S): Stephen Healy, Worcester State University; Katherine Gibson, University of Western Sydney
CHAIR(S): Ann Hill, Australian National University
12:40 Oona Morrow*, Clark University, *Taking back the economy one jar at a time: self-provisioning networks and the creation of community food economies.*
1:00 Katie Meehan*, University of Oregon, *Tool-power: The surplus possibilities of rainwater harvesting in Mexico City.*
1:20 Peter North*, University of Liverpool, *Ten square miles surrounded by reality? Materializing alternative economies using local currencies.*
1:40 Matthew McCourt*, University of Maine at Farmington; Dora Plancon, University of Maine at Farmington; Gabriel Perkins, University of Maine at Farmington, *Ways of Taking Care: Mapping Commoning Practices in Rangeley, Maine.*
Discussant(s): Andrea J. Nightingale, University of Edinburgh

2464. Urban Political Ecology Redux II (Sponsored by Cultural and Political Ecology Specialty Group)

Room: *Pico, The LA Hotel, Level 2* (Paper Session)
ORGANIZER(S): Jennifer Rice, The University of Georgia; Nik Heynen, University of Georgia
CHAIR(S): Nik Heynen, University of Georgia
12:40 Sarah Dooling*, the university of texas, *A Material-Political Framework For Understanding The Production of Vulnerabilities.*
1:00 Jennifer L. Rice*, The University of Georgia, *Climate Policy and the 'Science Effect': Consensus, Calculation, and Security in Seattle, Washington.*
1:20 Michael Mendez*, UC Berkeley.edu, *From Global to Local: The Civic Epistemologies of Urban Climate Change.*
1:40 Patrick Bond*, University of KwaZulu-Natal, *South Durban and the Uneven Development of Urban Political Ecology.*

2470. Human Animal Interactions

Room: *Athenian, Biltmore, Mezzanine Level* (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Anita Hagy Ferguson, Arizona State University
12:40 Ines M Miyares*, Hunter College, *Intersecting Cultural Identity and Environmental Ethics: The Puerto Rican Coqui in Hawaii.*
1:00 Suzi Wiseman*, Texas State University - San Marcos, *What is Heard at an Urban Zoo by Elephants, Giraffes, Rhinoceri and others that Communicate Infrasonically?.*
1:20 Justin White*, Department of Geography, Virginia Tech; Yang Shao, Department of Geography, Virginia Tech; Lisa M Kennedy, Dr, Department of Geography, Virginia Tech, *A 20-year Land Cover Change Analysis of La Gonave, Haiti.*
1:40 Shannon Palmer*, Clark University; Deborah Martin, Ph.D, Clark University; Verna DeLauer, Ph.D, Clark University; John Rogan, Ph.D, Clark University, *Social, political, and ecological vulnerability and resilience in Worcester, Massachusetts, post-Asian Longhorned Beetle.*
2:00 Anita Hagy Ferguson, PhD Student*, Arizona State University, *Sharing the wild: The human-tiger relationship in a contested landscape.*

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- 2471. Hazards, Risks, and Disasters Specialty Group Session: Space and Change Following Hurricane Disasters (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: *Bernard's, Biltmore, Lobby Level* (Paper Session)
 ORGANIZER(S): Ronald R Hagelman III, Texas State University
 CHAIR(S): Ronald R Hagelman III, Texas State University
12:40 Reginald Archer*, University of California Santa Barbara, *Classification and Change Detection: A Case Study of Post-Katrina New Orleans Recovery*.
1:00 Pauline Cotellet, PhD student*, Université Paul Valéry France, Laboratoire GRED, France; Frédéric LEONE, Professor, GRED - Université Paul Valéry France, *Crime in the aftermath of disasters; the case of the Holy Cross neighborhood in New Orleans after Katrina*.
1:20 Jeff Brunskill*, Bloomsburg University of Pennsylvania, *The Influence of Storm Frequency on Regional Media Descriptions of Hurricanes*.
1:40 Elyse Zavar*, Texas State University- San Marcos, *Tracking Hurricane Sandy (2012) through Newspaper Photography*.
2:00 Ronald R Hagelman III*, Texas State University, *Print News Patterns and Hurricane Sandy (2012)*.
- 2472. Social Adaptation to Climate Change (Sponsored by Climate Change, Variability, Adaptation and Justice)**
Room: *Cordoban, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Frederik Kulpi
12:40 Jessica Susan Marter Kenyon*, UC Santa Barbara, *Conceptualizing Climate Change-Induced Resettlement (CCIR): A Merging of Two Literatures*.
1:00 Morteza Karimzadeh*, Penn State, *Geocollaboration in Global Environmental Change Research*.
1:20 Cristian Ches*, University of Toronto, *Managing tensions and synergies between mitigation and adaptation to climate change in cities*.
1:40 Jose Antonio Tietzmann E Silva*, PUC Goias; Luciane Martins De Araújo*, Pontificia Universidade Católica, *Perspectives for Climate Change Policy and Law in Brazil*.
2:00 Frederik Kulpi*, Julia Milbredt, *The Climate Knowledge and Innovation Community of the European Union*.
- 2473. Weather, Climate, and Health Part III: Temporal Patterns, Influenza (Sponsored by Climate Specialty Group)**
Room: *Corinthian, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): David Hondula, The University of Virginia; Scott Sheridan, Kent State University
 CHAIR(S): Scott Sheridan, Kent State University
12:40 C R de Freitas*, School of Environment, University of Auckland, New Zealand; E A Grigorieva, Institute for Complex Analysis of Regional Problems, Russian Academy of Sciences, Birobidzhan, Russia, *A Method for Assessing Human Health Impacts of Short-term Changes in Climate*.
12:55 Robert E Davis*, University of Virginia; Michael V. Saha, University of Virginia; David M. Hondula, University of Virginia, *What is the Net Impact of Heat Waves on Mortality? A Detailed Examination of Mortality Displacement in Seven U.S. Cities..*
1:10 Qian Di*, Pennsylvania State University, *The Relationship between Meteorological Variable and Influenza Epidemic in the Long-Term and Short-Term*.
1:25 Adam Kalkstein*, United States Military Academy, *Predicting the Flu: The Impact of Weather on Daily Hospital Admissions Across the Southwest United States*.
 Discussant(s): Scott Sheridan, Kent State University; David Hondula, The University of Virginia
- 2474. Tornado Risk, Vulnerability, and Preparedness, Part I: Human Factors (Sponsored by Climate Specialty Group)**
Room: *Corsican, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Grady Dixon, Mississippi State University
 CHAIR(S): Grady Dixon, Mississippi State University
12:40 Charles Konrad*, University of North Carolina - Chapel Hill; Maggie M. Kovach, University of North Carolina at Chapel Hill; Christopher M. Fuhrmann, University of North Carolina at Chapel Hill; Jordan T. McLeod, University of Georgia, *Regional Variations in Tornado Vulnerability across the Eastern U.S.*.
1:00 Kevin Ash*, University of South Carolina, *Mobile Homes and Tornadoes: Multivariate Mapping of Exposure and Social Vulnerability to Suggest Future Research Directions*.
1:20 Kelsey N Scheitlin*, Longwood University; James B. Elsner, Florida State University, *The Decreasing Population Bias in Tornado Reports*.
1:40 Bimal Kanti Paul*, Kansas State University; Mitchel Stimers, Department of Natural and Physical Sciences, *Deaths by Damage Zone and Place: A Case Study of the 2011 Joplin, MO, Tornado*.
2:00 Jessica Van Meter*, Mississippi State University; P. Grady Dixon, Ph.D, Mississippi State University, *Early Dismissals In Public Schools On Potential Severe Weather Days*.
- 2475. Modern Agriculture: a Comparative Perspective**
Room: *Florentine, Biltmore, Mezzanine Level* (Paper Session)
 This session is a continuation of the previous timeslot, 2172.
- 2476. Spatial Analysis Methods**
Room: *Grecian, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Michael Babb, University of Washington
12:40 Erki Saluveer*, University of Tartu; Liis Murov, Positium LBS; Anto Aasa, University of Tartu, *Point pattern spatial interpolation method for mobile positioning data*.
1:00 Jamie L. Sanchagrin*, Department of Geography, University of Iowa; Marc Linderman, PhD, Department of Geography, University of Iowa; Jun Chen, University of Iowa; Naresh Kumar, PhD, University of Miami, *Integrating Place and Social Surveys: Spatial Sampling and Neighborhood Contextualization*.
1:20 Byong-Woon Jun*, Kyungpook National University, *Exploring Spatial Dependence and Spatial Non-stationarity in Population Estimation*.
1:40 Bev Wilson, Ph.D.*, University of Illinois at Urbana-Champaign; Andrew Greenlee, Ph.D., University of Illinois at Urbana-Champaign, *Out-Migration and the Geography of Nonmetropolitan Opportunity*.
2:00 Michael Babb*, University of Washington, *Spatial Demographic Trends In The Imputation of Race And Ethnicity In The Decennial US Census*.
- 2477. Land Systems Science Symposium: Case Studies - Amazonia (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: *Heinsbergen, Biltmore, Lobby Level* (Paper Session)
 ORGANIZER(S): Richard Aspinall
 CHAIR(S): Eugenio Arima, The University of Texas at Austin
12:40 Eloi Lennon Dalla-Nora*, National Institute for Space Research; Ana Paula Dutra de Aguiar, National Institute For Space Research; David Montenegro Lapola, Universidade Estadual Paulista Júlio de Mesquita Filho, *Global economy or regional governance? What are the actual drivers of Amazon deforestation?*.

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- 1:00** Cynthia Simmons*, Michigan State University; Stephen Aldrich, Indiana State University; Eugenio Arima, University of Texas-Austin; Robert Walker, Michigan State University, *Contentious Land Cover Change in Amazonia*.
- 1:20** Peter Richards*, Brown University; Eugenio Arima, University of Texas; Robert Walker, Michigan State University; Leah VanWey, Brown University, *Indirect Land Use Change and Amazonian Deforestation*.
- 1:40** Eugenio Arima*, The University of Texas at Austin; Robert T Walker, Michigan State University, *Explaining the Fragmentation in the Amazonian Forest*.
- 2:00** Amy M. Lerner*, Rutgers University; Tom Rudel, Rutgers University; Laura Schneider, Rutgers University; Diana Burbano, Universidad San Francisco de Quito; Megan McGroddy, University of Virginia; Carlos Mena, Universidad San Francisco de Quito, *Seeing the pasture through the trees: Patterns and processes of silvo-pastoral landscapes in the Ecuadorian Amazon*.

2478. Social Citizenship, Landscapes of Care and Health Geographies

Room: *Mediterranean, Biltmore, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Ebru Ustundag, Brock University
 CHAIR(S): Ebru Ustundag, Brock University
 Panelists: Lyusyena Kirakosyan, Virginia Tech; Sarah de Leeuw, University of Northern British Columbia; Meghann Ormond, Wageningen University; Johanne Sanschagrin, Government of Canada

2479. It's not geography: integrating environmental psychology into any classroom

Room: *Moroccan, Biltmore, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Bree Kessler, CUNY Graduate Center; Christine Caruso, The Graduate Center CUNY
 CHAIR(S): Eva Tessza Udvarhelyi
 Discussant(s): Magdalena Ornstein-Sloan, CUNY Graduate Center
 Panelists: Christine Caruso, The Graduate Center CUNY; Bree Kessler, CUNY Graduate Center; Eva Tessza Udvarhelyi; Einat Manoff, CUNY Graduate Center

2480. Critical Interventions into Gender & the Geoweb (Sponsored by Geographic Information Science and Systems Specialty Group, Geographic Perspectives on Women Specialty Group, Communication Geography Specialty Group)

Room: *Roman, Biltmore, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Ryan Burns, University of Washington; Monica Stephens, Humboldt State University
 CHAIR(S): Ryan Burns, University of Washington
 Discussant(s): Ryan Burns, University of Washington
 Panelists: Monica Stephens, Humboldt State University; Brent Hecht, Northwestern University; Melissa Gilbert, Temple University; Michele Masucci, Temple University

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- 2502. Geographies of Hope Symposium 3: Hopeful Political Economies I (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Socialist and Critical Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Indigenous Peoples Specialty Group, Geographies of Food and Agriculture Specialty Group)**
- Room:* Beaudry B, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Lindsay Shade, University of Kentucky
 CHAIR(S): Lindsay Shade, University of Kentucky
2:40 Peter Hossler*, University of Glasgow, *Pragmatism and Geographies of Hope: Faith-based Hope and the Health Care Safety-Net.*
2:57 Melanie Bedore*, University of Ottawa, School of Political Studies, *Policymaking for urban social justice: Hope and collaboration in Baltimore's food policy scene.*
3:14 Katherine Hankins, Ph.D., Georgia State University; Andy Walter, Ph.D., University of West Georgia; Harrison Anixter*, Middlebury College; Samuel Nowak*, University of Washington, *A Quiet Politics of Spatial Solidarity: 'Intentional Neighboring' in the Inner City.*
3:31 Jay Eliot Bowen, MA*, Department of Geography, University of Kentucky, *The Mad Housers: redefining urban space and the rights of homeless people.*
3:48 Nick Lewis*, University of Auckland, *Enactive research in state spaces: Towards a hopeful third mission geography.*
 Discussant(s): Wendy Larnar, University of Bristol
- 2503. How we walk the talk: Action research and activist scholarship; past, present, and future #2--Action as research, research as action (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)**
- Room:* La Brea, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Christian Anderson, University of Washington at Bothell; Amanda Huron, University of the District of Columbia
 CHAIR(S): Christian Anderson, University of Washington at Bothell
 Panelists: Hillary Caldwell; Jonathan London, UC Davis; Caitlin Cahill, City University of New York; Heather McLean; Mara Ferreri, Queen Mary University
- 2504. Mega Event Planning: Urban Development, Impacts and Legacies**
- Room:* La Cienega, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Mark Wilson, Michigan State University; Eva Kassens-Noor, MSU
 CHAIR(S): Mark Wilson, Michigan State University
2:40 Eva Kassens-Noor*, Michigan State University; Brij Maharaj, University of Kwazulu-Natal; Sven Müller, University of Hamburg; Laura Huntoon, University of Arizona; Mark Wilson, Michigan State University, *The Mega Event Legacy for Infrastructure - a framework for urban and regional development types.*
3:00 Terry Van Dijk*, University of Groningen, *The spatial effects of Chicago's failed Olympic bid.*
3:20 Yong-Sook Lee*, Korea University; Eunjung Hwang*, Korea University, *Globalizing a film festival in Asia: The case of the Busan International Film Festival in South Korea.*
3:40 Lisa Kim Davis, PhD, MPH*, University of California, Los Angeles (UCLA), *Olympic Games, Mass Evictions, and Urban Redevelopment.*
4:00 Mark Wilson*, Michigan State University; Eunseong Jeong, Michigan State University; Irene Shim, Michigan State University, *MegaEvent/Small City: The Experience and Impact of Yeosu Expo2012.*

- 2505. Comparative Studies on Innovation and Clusters I (Sponsored by China Specialty Group, Economic Geography Specialty Group)**
- Room:* Los Cerritos, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Yifei Sun, California State University, Northridge; Peilei Fan, Michigan State University
 CHAIR(S): Peilei Fan, Michigan State University
2:40 Richard Shearmur*, INRS-UCS, Québec University; David Doloreux, Telfer School of Management, Ottawa University, *Territories, Networks or Hierarchies? The geography of KIBS use in an urban system.*
3:00 Changho Lee*, SUNY-Buffalo; Sharmistha Bagchi-Sen, SUNY-Buffalo; Jessie Poon, SUNY-Buffalo, *Scientific research networking: academic entrepreneurship and medical innovation.*
3:20 Namji Jung*, Seoul National University, *Does job security in small firms help innovation?.*
3:40 Mário Vale*, University of Lisbon, *A Critical Review of Clusters Development and Regional Innovation Policies.*
4:00 Laura E. Tate, PhD*, Community Action Initiative, *The Impact of Granting On Regional Partnerships For Social Innovation: A Comparison of Campbell River And Pemberton, British Columbia.*
- 2506. Violence and Space II - Quantitative approaches (Sponsored by Political Geography Specialty Group)**
- Room:* Los Feliz, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Philippe Le Billon, University of British Columbia; Simon Springer, University of Victoria
 CHAIR(S): Philippe Le Billon, University of British Columbia
2:40 Andrew Linke*, University of Colorado, *Mechanisms Explaining the Spatio-Temporal Diffusion of Violence in sub-Saharan Africa.*
2:58 John O'Loughlin*, University of Colorado; Andrew M Linke, University of Colorado, Boulder; Frank D Witmer, University of Colorado, Boulder; Meredith DeBoom, University of Colorado, Boulder, *Violent conflict in sub-Saharan Africa 1980 - 2009: Border effects, natural resource and agricultural endowments, and state responses.*
3:16 Clionadh Raleigh*, Trinity College Dublin, *Modern African Conflict Landscapes and Patterns.*
3:34 Shannon O'Lear, Ph.D.*, University of Kansas, *Climate Change, Security, and Slow Violence.*
3:52 Colin Flint*, University of Illinois at Urbana-Champaign; Dezzani Ray, University of Idaho, *One Logic, Many Wars: The Variety and Geography of Wars in the Capitalist World-Economy, 1816-2007.*
- 2507. From cluster to process? New economic geographic perspectives on knowledge generation IV: Trajectories of Innovation**
- Room:* Palos Verdes, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Johanna Hautala; Oliver Ibert, Department of Geography, University of Bonn
 CHAIR(S): Johanna Hautala
2:40 Oliver Ibert*, Leibniz-Institute for Regional Development and Structural Planning Erkner, *Idea-centered, dynamic network analysis: time-spatial innovation dynamics in law and biotech.*
3:00 Jussi S. Jauhiainen*, University of Turku, *Knowledge Creation in Space and Time: A Conceptual Framework with Empirical Reflection.*
3:20 Carolyn J. Hatch*, University of Toronto, *The production of design: a time-spatial analysis of knowledge flows and industrial practices.*
3:40 Lauri Johannes Hooli*, University of Turku, *Building of National Innovation System in Namibia: The Role of Indigenous Knowledge.*

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Discussant(s): Robert Hassink, Dept. of Geography, University of Kiel

- 2508. Suburban Dreamscape to Suburban Nightmare? III: Challenging Visions of the Suburban Home (Sponsored by Urban Geography Specialty Group)**
Room: *San Bernardino, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Christopher Niedt, Hofstra University; Paul J Maginn, University of Western Australia
 CHAIR(S): Christopher Niedt, Hofstra University
2:40 Markus Moos, University of Waterloo; Pablo Mendez*, University of British Columbia; Anna Kramer, University of Waterloo; Robert Walter-Joseph, University of Waterloo, *Suburban ways of living in transition: The persisting income advantage.*
3:00 Paul J Maginn, Assoc. Professor*, University of Western Australia, *In Praise of Suburban Fugliness: Suburbanites' Attitudes, Aspirations and Experiences of Suburban Perth, Western Australia.*
3:20 Kathy Arthurson, Associate Professor*, Flinders university, *Suburbs and Suburbanities in Popular Culture.*
3:40 Lisa Choi*, York University, *Suburban Pasts, Imagined Futures: placing memories and imaginaries of home.*
- 2509. Africa VIII - Resource Issues (Sponsored by Africa Specialty Group)**
Room: *San Fernando, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
 CHAIR(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
2:40 Kevin Gibbons*, University of Wisconsin-Madison, *Migrating in Place: Ugandan fishers who put the "place" in Political Ecology.*
3:00 Nohemi Voglozin, Ms.*, Geography and Environmental Systems / University of Maryland, Baltimore County, *Spatial distribution of genetic diversity of rice varieties in Benin, West Africa.*
3:20 Laura MacDonald, MSE*, Johns Hopkins University; Erica Schoenberger, PhD, Johns Hopkins University; William P Ball, PhD, PE, MS, Johns Hopkins University, *Household Water Treatment: Policy Development Towards Production, Distribution, and Uptake in Rural Ghana.*
 Discussant(s): Iddrisu Adam, University of Wisconsin - Marshfield Campus
- 2510. Paleorecords of our Changing Earth IV: Climate, Landscapes, and Vegetation in the Middle and High Latitudes (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: *San Gabriel A, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Catherine Yansa, Michigan State University; Sally Horn, University of Tennessee
 CHAIR(S): Michelle Goman, Sonoma State University
2:40 Pete D Akers*, University of Georgia; George A Brook, University of Georgia, *Paleoclimate implications of Late Pleistocene calcium carbonate travertine from Santa Cruz province, Argentina.*
3:00 Jay M Strahan*, Michigan State University; Randall J Schaeztl, PhD, Michigan State University, *Dunes and Lake Algonquin spit indicate strong NE winds during Late Pleistocene in Michigan's central Upper Peninsula.*
3:20 David F. Porinchu*, University of Georgia; Angela Self, PhD, Natural History Museum, London, UK, *A Chironomid-based Quantitative Reconstruction of Late Pleistocene and Holocene Thermal Conditions in Northeast Siberia.*
3:40 Julie Loisel, Ph.D.*, Lehigh University; Zicheng Yu, Ph.D., Lehigh University, *Carbon accumulation in circum-*

arctic peatlands over the Holocene: a synthesis.

- 4:00** Galina Yamskikh*, Siberian Federal University, *Natural Environment and Climate on the Territory of Minusinsk Depression (Southern Siberia) During the Holocene Based on Palynological Data..*

- 2511. Economic Geography IV - Diversity, Relatedness, and Combining Knowledge Bases (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)**
Room: *San Gabriel B, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Dieter F. Kogler, University College Dublin; Maryann Feldman
 CHAIR(S): David Rigby, University of California, Los Angeles (UCLA)
2:40 Matté Hartog*, Utrecht University, *Drivers of Structural Change.*
3:00 Christian Richter Østergaard, Aalborg University, Department of Business and Management; Bram Timmermans*, Aalborg University, Department of Business and Management, *Are firms in diverse regions more diverse and does it really matter? - An empirical investigation on the link between regional differences in employee diversity and firms' innovative capabilities.*
3:20 Thomas Kemeny*, UNC Chapel Hill, *Leveraging the Economic Benefits of Cultural Diversity in Cities.*
 Discussant(s): Sharmistha Bagchi-Sen, SUNY-Buffalo
- 2512. Business Geography Curriculum (Sponsored by Geography Education Specialty Group, Business Geography Specialty Group)**
Room: *San Gabriel C, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Murray D Rice, University of North Texas
 CHAIR(S): Murray D Rice, University of North Texas
 Introducer: Murray D Rice
 Panelists: William Graves, UNC-Charlotte; Wes Stroh, Penn State University; Samuel Otterstrom, Brigham Young University; Tony Hernandez, Ryerson University
- 2513. Beyond the Ivory Tower A: Preparing Geographers for Business and Private Sector Careers (Sponsored by Applied Geography Specialty Group, Business Geography Specialty Group, Enhancing Departments and Graduate Education project (EDGE))**
Room: *San Pedro, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Michael N. Solem, Association of American Geographers; Joy K. Adams, Association of American Geographers
 CHAIR(S): Michael N. Solem, Association of American Geographers
 Introducer: Michael N. Solem
 Introducer: Joy K. Adams
 Panelists: Justin Holman, TerraSeer; Joseph Scarpaci, West Liberty University; Ashok Wadwani, Applied Field Data Systems, IN; Linda A. Peters, Esri; Patrick L. Shabram, Front Range Community College
- 2517. John Odland Award (SAM Student Paper Competition) I (Sponsored by Spatial Analysis and Modeling Specialty Group)**
Room: *Santa Barbara A, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Joni Downs, University of South Florida
 CHAIR(S): Joni Downs, University of South Florida
2:40 Xingjian Liu*, Department of Geography, University of Cambridge, *Mapping shifting hierarchical and regional tendencies in intercity corporate networks through alluvial diagrams.*
3:00 Eun-Kyeong Kim*, Department of Geography, Pennsylvania State University, University Park, PA 16802; Hang-Hyun Jo, Department of Biomedical Engineering and Computational Science (BECS),

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Aalto University School of Science, P.O. Box 12200, Finland; Alan M. MacEachren, Department of Geography, Pennsylvania State University, University Park, PA 16802, *Bursts of Spatiotemporal Event*.

3:20 Qiaojue Wang*, University of Cincinnati, Department of Geography; Changjoo Kim, University of Cincinnati, Department of Geography, *An Integrated Multilevel Approach of Urban Development by Grid and Municipality Level: A Case Study of Hamilton County, Ohio*.

3:40 Jing Gao*, University of Wisconsin - Madison, *Bias-variance Error Decomposition for Geospatial Regression Models*.

4:00 Jing Yao*, Arizona State University; Alan T. Murray, Arizona State University; Victor Agadjanian, Arizona State University, *Geographical Access to Sexual and Reproductive Health Care for Women in Rural Mozambique*.

2518. CyberGIS Symposium: Industry Perspectives (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Santa Barbara B, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Dawn Wright, Environmental Systems Research Institute

CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign

Panelists: Dawn Wright, Environmental Systems Research Institute; Ed Parsons, Google

2519. Spatial and Spatio-Temporal Data Mining & Visualization (2): Regionalization and Community Detection (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

Room: Santa Barbara C, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Diansheng Guo, University of South Carolina; Seth Spielman, University of Colorado

CHAIR(S): David Folch, University of Colorado at Boulder

2:40 Song Gao*, Department of Geography, University of California, Santa Barbara, CA 93106; Xiujun Ma, Key Laboratory of Machine Perception (Minister of Education), Peking University, Beijing, China 100871; Yu Liu, Institute of Remote Sensing and Geographical Information Systems, Peking University, Beijing, China 100871; Michael F. Goodchild, Department of Geography, University of California, Santa Barbara, CA 93106, *Spatial community detection and urban structure analysis from mobile phone data*.

3:00 David Van Riper*, Minnesota Population Center; Steven Manson, Ph.D., University of Minnesota, *Regionalization Strategies for Terra Populus*.

3:20 David C. Folch*, University of Colorado at Boulder; Seth Spielman, University of Colorado at Boulder, *Regionalization Approach to Reduce Small Area Margins of Error in the American Community Survey*.

3:40 Charlie Haifeng Zhang*, University of Louisville, KY, *Creating Geographically Contiguous and Compact School Attendance Zones*.

4:00 Hai Jin*, University of South Carolina; Diansheng Guo, University of South Carolina, *A generic approach to regionalization, redistricting, and partitioning*.

2520. Community Food Security and Antihunger Approaches in Los Angeles: Voices from the Front Lines (Sponsored by Urban Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Sacramento, Westin, Level 2 (Panel Session)

ORGANIZER(S): Gina K. Thornburg, Kansas State University

CHAIR(S): Heather Hyden, Community Farm Alliance

Introducer: Gina K. Thornburg

Panelists: Robert Gottlieb, Urban & Environmental Policy Institute, Occidental College; Matthew Sharp, California Food Policy Advocates; Alexander Tarr, UC Berkeley Geography; Jayne Torres, UR-BIN the Downtown Los Angeles Garden Network; Ivette Vivanco, Los Angeles Partnership To End Hunger and Homelessness

2521. Young Leaders Mapping Sustainable Development Challenges: My Community, Our Earth Beyond Rio+20 (Sponsored by Association of American Geographers)

Room: San Diego, Westin, Level 2 (Poster Session)

ORGANIZER(S): Patricia A. Solis, Association of American Geographers; Astrid Nicole Ng, Association of American Geographers

CHAIR(S): Marcela Zeballos, Association of American Geographers

Jennifer Titus*, Salem State University, *Storm Surge Flood Risk Assessment of Boston, Massachusetts*.

Fatima Cecunjanin*, Southern Connecticut State University; Ezgi Akpınar Ferrand, PhD, Southern Connecticut State University, *Climate Change and Water Security: Potential of Rainwater Harvesting*.

Zhenyang Hua*; Stephen S Young, Dr., *Environmental Change in Northeastern North America*.

Mehmet Ozdes*, University of Florida, Department of Geography; Irina N. Sokolik, PhD, Georgia Institute of Technology, Department of Earth and Atmospheric Science, *Aerosols and Climate Change Impact on Agricultural Productivity in Central Asia*.

Elvira Breytenbach*, Georgia State University, *Following the rains: Perceptions of climate change around Kibale National Park, Uganda*.

Meredith Lynn Phillips*, Georgia Southern University; Brian H. Bossak, Ph.D, M.P.H., Georgia Southern University, *The Influence of Environmental Factors on the Key West (Florida) Dengue Fever Outbreak of 2009-10*.

Bryan Finocchiaro*, Keene State Department of Geography; Elizabeth Baptie, Keene State College Geography; Chris Ordway, Keene State College; Alex Voskerijian, Keene State College Geography, *Stranded on the Urban Heat Island; Keene, New Hampshire: Temperature Analysis and Future Mitigation Strategies*.

Lumari Pardo-Rodriguez*, UC-Santa Barbara, *Understanding Adaption to Climate Stimuli: Vulnerability Mapping, Threat Perception, and Subjective Adaptive Capacity among Peruvian Farmers*.

Chanse Adams*, Georgia State University; Katherine Hankins, Dr., Georgia State University; Timothy Hawthorne, Dr., Georgia State University, *Finding Food in the Desert or the Swamp? Documenting South Atlanta's Food Geographies*.

Harrison G Green*, *Food Availability in San Antonio, Texas*.

Ryan Barrett*, Georgia State University; Timothy Hawthorne, PhD, Georgia State University, *Investigating the Atlanta Food System: A Mixed Methods Study of Environmental Sustainability and Human Health*.

Shawn Kargus*, University of Wisconsin-Fox Valley, *Farmers Markets: Seasonal Impacts on Food Deserts in Northeastern Wisconsin*.

Alan W. Black*, University of Georgia, *Distribution of Winter Weather Losses in the United States*.

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- Andrew Ruegg*, Arizona State University; Cynthia Sorrensen, Texas Tech University, *Fire frequency in San Diego County: what census blocks can tell us about ex-urban growth and the human dimensions of regional wildfire vulnerability.*
- Chang-Hwan Kim*, Kangwon National Univ., *The role of geography on geopark : Gangwon Peace Geopark project.*
- Ekejirho Oji*, Middle Tennessee State University; Ekejirho Doreen Oji, Middle Tennessee State University; Hari Garbharran, Ph.D, Humans in Crisis International, *Partnership between Humans in Crisis and Women's Foundation of Nepal.*
- Sophia E. Albov*, University of Montana; Sarah J. Halvorson, Ph.D., University of Montana, *Organic Agriculture in the Shadow of the Arctic Circle.*
- Cullen M Dunkerson*, *The Classification of Structural Changes and Their Relationship to Social Variables in Regency Park, Moore, Oklahoma.*
- Urvashi Banerjee*, *The growth of slums and squatter settlements: The Geography of Poverty.*
- Amelia Joan Richey*, University of Arizona, *Social and Environmental Progress: Reconciliation Ecology in an Arizona-southwest Schoolyard.*
- Clifton McDugle*, Middle Tennessee State University; Hari P Garbharran, Ph.D, Middle Tennessee State University, *Education through Innovation is what Humans in Crisis brings in its School2School Program..*
- Warren Sutcliffe*, Bridgewater State University, *Utilising GIS skills within geography departments to assist campuses.*
- Darrius D Dixon*, Middle Tennessee State University; Hari Garbharran, Ph.D, Humans in Crisis International, *Orphan Clothing Project with Pahal through Humans in Crisis..*
- Carolina Busch Pereira*, Universidade Federal do Tocantins, *Art and Geographic Education.*
- Mairim Martinez-Baez*, University of Puerto Rico, Rio Piedras Campus, *Where is the Caribbean?: Mental Maps from Puerto Rican High School Students.*
- Joseph P. Wigglesworth, Student Presenter*, Framingham State University - Framingham, Massachusetts, *Geographic Literacy: A students research perspective on today's degree seeking students..*
- Kaitlin Hurley*, salem state university; Kaitlin Theresa Hurley, *Why are there no geographers teaching K-12 social studies in Massachusetts?.*
- Pontus Hennerdal*, Stockholm University, *Better Before? Children's Map-knowledge in the 1960's vs. Now.*
- Nicole N Hoke*, California State University, Fresno; Mohan B Dangi, Ph.D, Department of Geography, California State University, Fresno; Cory D Robbins, Department of Geography, California State University, Fresno; Raquel A Perez, Department of Geography, California State University, Fresno; Erika Mey, Department of Geography, California State University, Fresno; Sergio Moreno Jr., Department of Biology, California State University, Fresno, *Contaminants in the Green Waste Stream in Fresno, California.*
- Eric Balza*, University of Wisconsin-Fox Valley; Jonathan Steffen, University of Wisconsin-Fox Valley, *Presenting Lessons on Ocean Issues I: Carbon Cycle and Ocean Acidification.*
- Asma Rashed Almazrooei, Gis student*, United Arab Emirates University; Asma Rashed Almazrooei, A GIS student, *RC Plane: Producing Aerial Photos Samples for Classroom Analysis.*
- Kayde E Kaiser, B.S.* , Montana Geographic Alliance, *The Landscape of Geography Education in Montana.*
- Greg McCormick*, Keene State College; Kristina N Sargent*, Keene State College, *The Marlboro Street Makeover.*
- Sarah Bell*, Western Washington University, *The Geography of Education Reform in the City of Chicago - Mapping the Discourse.*
- Michelle Vancuyk*, University of Wisconsin-Fox Valley; Shawn Kargus, University of Wisconsin-Fox Valley; Andrew Shears, University of Wisconsin-Fox Valley; Beth A. Johnson, University of Wisconsin-Fox Valley, *Presenting Lessons on Ocean Issues II: Fishery Depletion and Coral Reef Destruction.*
- Shahalam M Amin*, Bloomsburg University of Pennsylvania; Md. Humayun Kabir, University of Dhaka; Iffat Jahan Eva, University of Dhaka, *Present Environmental and Ecological Status of Shrimp Cultivation: A Case Study from South-Western Bangladesh.*
- Adam Ledvina, Central College; Mitchell Nicholson, Central College; Anya Butt*, Central College, *Enhancing campus sustainability: building a campus wide composting program.*
- Amy Graham*, Oklahoma State University; Todd Fagin, University of Oklahoma; Jacqueline Vadjunec, Oklahoma State University; Brenda Phillips, Oklahoma State University, *Persistent Drought, Land Tenure, and Land Cover Change in the southern Great Plains: A Case Study from Cimarron County, OK and Union County, NM.*
- Abigail E. Copp*, Matt Bertolami; Jackie Borrelli; Kevin Coles, *Merging Mother Nature and the Classroom.*
- Patricia A. Solis, PhD*, Association of American Geographers; Astrid Nicole Ng, AAG, *My Community, Our Earth Celebrating a Decade of Geographic Learning for Sustainable Development.*
- Nekya Young*; Ivan Ramirez; Nathan J. Sessoms, PhD; Patricia Solis, PhD, AAG, *AAG Diversity Ambassadors and Youth Leadership.*
- Astrid Nicole Ng*, Association of American Geographers, *Association of American Geographers 2013 Photo Competition.*
- Jose Millan*, Georgia Southern University; Robert Yarbrough, Ph.D, Georgia Southern University; Mark Welford, Ph.D, Georgia Southern University; Brian Bossak, Ph.D, M.P.H., Georgia Southern University, *Using Location Quotients to Analyze the Spatial Distribution of U.S. Cholera Cases Related to Post-Earthquake Hispaniola.*
- Xiaomin Qiu*, Missouri State University; Derek Wu, Missouri State University, *Exploring Ways to Map Temporal Changes.*
- Jun Wang*, University of Michigan, *People, Institutions, and Pixels: Linking Remote Sensing and Social Science to Understand Social Adaptation to Environmental Change.*
- Peter Kamau*, Miami University, *Anthropogenic fires, forest resources, and local livelihoods at Chyulu Hills, Kenya..*
- Anna Badia*, Universitat Autònoma de Barcelona; Natàlia Valldeperas, Universitat Autònoma de Badelona, *Forest fires in wildland urban interface: typologies and spatial distribution of vulnerability in Catalonia (North East of Iberian Peninsula).*
- Stefanie Bohms*, SGT Inc.; Gabriel Senay, USGS; James Rowland, USGS; James Verdin, USGS, *Using Satellite-based Evapotranspiration for crop performance and drought early warning in South Central Asia.*
- Brian H. Bossak, PhD, MPH*, Jiann-Ping Hsu College of Public Health; Kimberly M. McCreary, Jiann-Ping Hsu College of Public Health; Mark R. Welford, PhD, Georgia Southern University; Sarah S. Keihany, Jiann-Ping Hsu College of Public Health, *Georgia's Deadly Hurricane History: The Sea Islands Hurricane of 1893.*
- Gerardo Palacio*, Universidad Autonoma de San Luis Potosi; Patricia Julio, Universidad Autonoma de San Luis

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Potosi, *Geomorphologic susceptibility and runoff coefficients for mapping flood hazard in San Luis Potosi City (Mexico)*.

- Yanli LU*, Beijing Normal University, Integrated Risk Governance/IHDP; Qian Ye, Beijing Normal University, Integrated Risk Governance/IHDP, *Progress and New Initiatives in IRG Project/IHDP*.
- Rachel H Carr, Director of Nature Center; Burrell Montz, PhD, East Carolina University; Stephanie Hoekstra*, *Flood Risk and Uncertainty: Assessing the National Weather Service's Forecast and Warning Tools*.
- Khameis Alabdouli*, Florida State University; James Brenton, University of Alabama in Huntsville; Nathan Bledsoe, University of Alabama in Huntsville; Victoria Florence, Bob Jones High School; Kirstin Cooksey, University of Alabama in Huntsville, *Utilizing NASA EOS data for fire management in el Departamento del Valle del Cauca, Colombia*.
- Judges: Melanie Jonas, Illinois State University; Fabian Araya Palacios, Universidad De La Serena; Carlos Guilbe, University of Puerto Rico; Humberto Reyes Hernandez, Universidad Autonoma San Luis Potosi; Niem Huynh, Association of American Geographers; James Kweku Kweku Eshun, University of Cape Coast

2522. Forest, Fallow, Terrace, and Field: Honoring the Contributions of William M. Denevan to the Fields of Cultural and Historical Ecology. (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, History of Geography Specialty Group)

- Room:* San Francisco, Westin, Level 2 (Paper Session)
- ORGANIZER(S): Antoinette WinklerPrins, Michigan State University; Kent Mathewson, Louisiana State University
- CHAIR(S): Antoinette WinklerPrins, Michigan State University
- 2:40** Charles C. Mann*, Science Magazine, *Overview of WMD's Contributions to Cultural and Historical Ecology*.
- 3:00** Clark Erickson*, University of Pennsylvania, *The Monumentality of Pre-Columbian Farmed Landscapes*.
- 3:20** Christine Padoch*, CIFOR, *Invisible Farms and Transformed Forests: Denevan's contributions to understanding tropical agriculture*.
- 3:40** Christian Isendahl, Ph.D.*, Uppsala University; Jan O Eriksson, Ph.D., Swedish University of Agricultural Sciences; Lilian Rebellato, Ph.D., Universidade Federale do Oeste do Pará; Mats Söderström, Ph.D., Swedish University of Agricultural Sciences; Per Stenborg, Ph.D., University of Gothenburg, *New Evidence of Ancient Soil and Water Management on the Belterra Plateau Uplands of the Lower Amazon*.
- Discussant(s): Susanna Hecht, University of California Los Angeles

2523. Down and Out in Parks and Protected Areas: Social, Cultural, and Historical Approaches (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)

- Room:* San Jose, Westin, Level 2 (Paper Session)
- ORGANIZER(S): Yolonda Youngs, Idaho State University
- CHAIR(S): Yolonda Youngs, Idaho State University
- 2:40** Judith L Meyer*, Missouri State University, *Diversity in Nature and the Nature of Diversity in Yellowstone's Historical Record*.
- 3:00** Peter J. Blodgett, Ph.D.*, Huntington Library, *"Exploring 'The Wild Heart of America': Tourism, Outdoor Recreation and the Allure of Western National Parks 1916-1941"*.
- 3:20** Matthew Fockler*, Montana State University, *"No more important duty:" A Historical Geography of United States Forest Service Forest Fire Protection..*
- 3:40** Laura A. Watt, PhD*, Sonoma State University, *What is*

Wilderness For? A Battle Over Preservation and Use at Drakes Estero.

Discussant(s): Terence Young, California State Polytechnic University-Pomona

2527. Characterizing Risk Environments for Spatial Substance Use Research (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

- Room:* Santa Monica A, Westin, Level 3 (Paper Session)
- ORGANIZER(S): Bethany Deeds, National Institute on Drug Abuse; Kimberly Brouwer, University of California at San Diego
- CHAIR(S): Kimberly Brouwer, University of California at San Diego
- 2:40** Bridget Freisthler, Ph.D.*, University of California, Los Angeles (UCLA), *Medical Marijuana Dispensaries and the Local Ecology*.
- 3:00** Tommi L Gaines, DrPH*, University of California San Diego; Melanie LA Rusch, PhD, University of California San Diego; Remedios Lozada, MD, Preventecasa, Tijuana, Mexico; Shira M Goldenberg, PhD, University of California San Diego; Steffanie A Strathdee, PhD, University of California San Diego, *Using Maps to Explore the Risk of HIV and other Sexually Transmitted Infections in a Mexico-U.S. Border City*.
- 3:20** Alexis M. Roth, PhD, MPH*, UCSF; Aaron Burgess, IUPUI; Eileen V. Pitpitan, PhD, University of California San Diego; Jayleen Gunn, MA, IUPUI; Kimberly C. Brouwer, PhD, MPH, University of California San Diego; Sarah E. Wiehe, MD, MPH, IUPUI, *Feasibility of a mixed-methods approach to characterize sexual risk environments among sex workers*.
- 3:40** Peter Davidson, Ph.D.*, University of California, San Diego; Shoshanna Scholar, Los Angeles Community Health Outreach Project; Richard Wheeler, ESRI, *Needle exchange, NIMBYism, and the impact of geographically-defined service location regulations on the existence of unpopular public health services*.
- Discussant(s): Bethany Deeds, National Institute on Drug Abuse

2528. Geographies of Public Health Policy (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

- Room:* Santa Monica B, Westin, Level 3 (Paper Session)
- ORGANIZER(S): Geography, GIS, and Health
- CHAIR(S): Sara McLafferty, University of Illinois
- 2:40** Heidi Hausermann*, Rutgers University, *Managing the emergent: Buruli ulcer, Bodies, and Health Governance in central Ghana*.
- 3:00** Kathleen O'Reilly*, Texas A&M University, *Understanding toilet adoption in rural India: a mixed method approach*.
- 3:20** Maria Gilson Sistrom, PhD*, University of Alaska Anchorage, *The Political Economy of Boils in bush Alaska: A multi-level examination of Community Acquired Methicillin Resistant Staphylococcus Aureus in Southwest Alaska*.
- 3:40** Amy J. Blatt, PhD, GISP*, TerraFirm International Corp., *Geospatial Applications in Disease Surveillance: Solutions for the Future*.
- 4:00** Sara McLafferty*, University of Illinois, *Beyond Spatial Targeting: Geographic Foundations for Public Health Policy*.

WEDNESDAY, APRIL 10 • 2:40 PM - 4:20 PM • 2500**2529. Housing Geographies: Design & Social Factors in Low-Income Housing (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)***Room: Santa Monica C, Westin, Level 3 (Paper Session)*

ORGANIZER(S): James Dunn, McMaster University

CHAIR(S): James Dunn, McMaster University

2:40 Emily Talen, PhD*, GeoDa Center @ ASU; Julia Koschinsky, GeoDa Center @ ASU; Eva Yue Zhang, ASU, *The Neighborhood Context of Subsidized Housing.***3:00** Amy Khare*, University of Chicago, *Participation, Deliberation, and Decision Making: The Dynamics of Inclusion and Exclusion in Mixed-Income Developments.***3:20** Evan Castel*, University of Toronto, Department of Geography, *'Sociophysical Factors' and Mental Health in Low-Income High-Rise Towers.***3:40** Karin Scott*, The University of Memphis, *Where You Live Matters: Low-Income Housing, Public Health, and the Case for Collaboration.***4:00** James Dunn*, McMaster University, *Socially-Mixed Public Housing Redevelopment and Mental Health in Toronto's Regent Park.***2530. Fluvial Geomorphology II (Sponsored by Geomorphology Specialty Group)***Room: Santa Monica D, Westin, Level 3 (Paper Session)*

ORGANIZER(S): Inci Guneralp, Texas A&M University

CHAIR(S): Michael C Slattery, Texas Christian University

2:40 Inci Guneralp*, Texas A&M University; Guido Zolezzi, University of Trento, Italy, *Characterization of meandering river planforms based on wavelet analysis.***3:00** Bradley E. Suther*, University of Georgia Department of Geography; David S. Leigh, University of Georgia Department of Geography, *Late Quaternary Evolution of the Lower Oconee River, Atlantic Coastal Plain, Georgia, USA.***3:20** Robert A Bean*, The University of Texas at Austin, Department of Geography and the Environment; Edgardo M Latrubesse, The University of Texas at Austin, Department of Geography and the Environment; Jose C Stevaux, UNESP-Rio Claro, Department of Geosciences, Brazil; Jorge D Abad, The University of Pittsburgh, Department of Civil and Environmental Engineering, *Ucamara Depression: A Source or Sink?***3:40** Douglas Faulkner*, University of Wisconsin-Eau Claire; Harry Jol, University of Wisconsin-Eau Claire; Garry Leonard Running IV, University of Wisconsin-Eau Claire, *Late Quaternary Incision and Terrace Formation in the Lower Chippewa River Valley, West-Central Wisconsin: a Case of Long-Term Complex Response.***4:00** Anthony M Filippi*, Texas A&M University; Inci Güneralp, Texas A&M University; Billy Hales, Jr., Texas A&M University, *Delineation of River Flow Boundaries using Aerial Photography and Support Vector Machine-Informed Classification Routines.***2534. New Perspectives to Paleoenvironmental Change and Geoarchaeology III (Sponsored by Human Dimensions of Global Change Specialty Group, Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)***Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)*

ORGANIZER(S): Matthew Peros, Bishop's University; Ezgi Akpınar Ferrand, Southern Connecticut State University

CHAIR(S): Matthew Peros, Bishop's University

2:40 Vance T Holliday*, University of Arizona, *A Geoarchaeological Analysis of the "Clovis Comet" Hypothesis.***3:00** Timothy Beach*, Georgetown University; Sheryl Luzzadder-Beach, George Mason University; Tom Guderjan, University of Texas, Tyler; Nick Brokaw, University of Puerto Rico-Río Piedras, *Geoarchaeology and Paleoecology of Wetlands in Northwestern Belize.***3:20** Gerardo Bocco*, CIGA - UNAM, *Are there universal scientific principles behind local ecological knowledge? The case of slope management in contrasting cultural environments (Mexico, North Atlantic Islands).***3:40** Duncan Cook, Dr*, Australian Catholic University, Sydney Australia; Timothy Beach, Professor, Georgetown University, USA, *Mud, Murder and Mayhem: A 1300 Year Record of Human Activity and Environmental Change from Cancuén, Guatemala.***4:00** William Ouimet*, University of Connecticut, *Uncovering the past: Mapping and exploring networks of stone walls under New England forests using high resolution topographic data (LiDAR).***2535. Political Activism II: Creating Place and Protest (Sponsored by Political Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)***Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)*

ORGANIZER(S): Peter Wood, Florida State University

CHAIR(S): Peter Wood, Florida State University

2:40 Fayyaz Vellani*, Institute of Ismaili Studies, *The Arab Spring.***3:00** Elsa Noterman*, University of Wisconsin-Madison; Heather Rosenfeld, University of Wisconsin - Madison, *Safe Space: Towards a Reconceptualization.***3:20** Heli Ponto*, University of Helsinki, Department of Geosciences and Geography, *Conflicts and negotiations over space: Young people as active producers of space.***3:40** Sarah Heck*, Department of Geosciences at Georgia State University; Kate Derickson, PhD, Department of Geosciences at Georgia State University, *The Occupy Wall Street Movement and the Post-Political Condition.***2536. Urban utopias and heterotopias: Theorizing, analyzing, and evaluating urban spaces (II)***Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)*

ORGANIZER(S): Christina Maria West; Thomas Doerfler, University of Goettingen

CHAIR(S): Christina Maria West

2:40 Wing-shing Tang*, Hong Kong Baptist University; Joanna WY Lee, The Chinese University of Hong Kong, *Lefebvrian Utopia for High-density Development in Hong Kong?***3:00** Frank Mueller*, Freie Universität Berlin, *desigualdades. net, Beyond Privatopian Dreams: Heterotopic Entanglements of Power in Mexico City's Peripheries.***3:20** Kirsten Hackenbroch*, TU Dortmund University; Shahadat Hossain, TU Dortmund University, *Whose interest finally counts? Forms of the production of urban space at the fringes of Dhaka, Bangladesh.***3:40** Lili Wang*, Ohio State University, *Build 'New', Build 'Global', and Build Audaciously: The New Town Mentality in Chinese Urban Governance.*

Discussant(s): Christina Maria West

2537. Climate variability and hydrological processes I: Transformation of glacier-forest-grassland-oasis-desert systems in arid Northwest China (Sponsored by Climate Specialty Group, Water Resources Specialty Group, Climate Change, Variability, Adaptation and Justice)*Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)*

ORGANIZER(S): Chansheng He, Western Michigan University; Lei Meng, Western Michigan University

CHAIR(S): Lei Meng, Western Michigan University

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2:40 Lanhui Zhang*, Center for Dryland Water Resources Research and Watershed Science; Chansheng He, Department of Geography, Western Michigan University, *The Effects of Climate Change on Water Resources of the Heihe River Basin in Northwest China.*

3:00 Xin Jin*, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University, Lanzhou, 730000, China; Lanhui Zhang, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University, Lanzhou, 730000, China, *Development of A New Method for Estimating Solar Radiation in The Mountain Area, Northwest China.*

3:20 Xifeng Zhang*, Juan Gu, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University, Lanzhou, 730000, China; Yiwen Jiang, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University, Lanzhou, 730000, China, *Analysis of The Spatio-temporal Variation and Response of Water Resources to Land-use/Land-cover Change in the Middle Reaches of the Shule River Basin in Northwest China.*

3:40 Chansheng He, Prof.*, Western Michigan University; Lanhui Zhang, Dr., Lanzhou University; Jie Tian, Mr., Lanzhou University, *Assessing the impacts of elevation on hydrological modeling of the Heihe River Watershed, Northwest China.*

4:00 Steven R. Schultze*, Michigan State University Geography Department; Leilei Qian, Michigan State University Department of Fisheries and Wildlife; Dreelin Erin, Michigan State University Department of Fisheries and Wildlife; Joan Rose, Michigan State University Department of Fisheries and Wildlife, *Analysis of Historical Recreational Water Quality Data in Lake St. Clair, Great Lakes.*

2538. Modern Quandaries in the European Union I Border and Identity Issues (Sponsored by Borders, European Specialty Group)

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Lydia M. Pulsipher, University of Tennessee
CHAIR(S): John Biersack, University of Kansas

2:40 Russell D Foster, FRGS*, Newcastle University, *Mapping the European Empire: cartography as a tool of identity production in the European Union..*

3:00 Adam G Levy, Ph.D.*, University of Colorado-Boulder, *EU Borders: Paradigmatic Peripheries and Liminal Laboratories.*

3:20 Vojtech Nosek*, Charles University in Prague; Pavlina Netrdova, Charles University in Prague, *Spatial aspects of social differentiation with attention to boundary effects: the case of Central Europe.*

3:40 John Biersack*, University of Kansas, *Becoming Ukrainian Cyborgs?: Biopolitics, Passports, and the EU Border.*

2539. Human Adaptation to Climate Change (Sponsored by Climate Change, Variability, Adaptation and Justice)

Room: Laguna Parlor 3068, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Program Committee

CHAIR(S): Zhongwei Liu, University of Nevada, Las Vegas

2:40 David O Kronlid, Docent of Ethics*, Uppsala University, *Moving-and-Mooring in Uncertain Terrains - A Capabilities Approach to Climate Change Ethics.*

3:00 Ariane C de Bremond*, University of Maryland/Joint

Global Change Research Institute; Anthony C Janetos, Joint Global Change Research Institute; Elizabeth Malone, Joint Global Change Research Institute; Erin Mastrangelo, University of Maryland, College Park; Karen Hardee, Futures Group, *Linking climate change and development goals: framing, integrating, and measuring.*

3:20 Mary C. Thompson*, University of South Carolina; Edward R. Carr, University of South Carolina, *Gender, development, and climate change adaptation.*

3:40 Jade Sasser, PhD*, Loyola Marymount University, *Harnessing the Future: Youth, Population Advocacy, and Climate Change.*

4:00 Zhongwei Liu*, University of Nevada, Las Vegas; William J. Smith Jr., Ph.D., Harry Reid Center for Environmental Studies, University of Nevada, Las Vegas, *Spatial analysis of climate change perceptions of the general public in Nevada.*

2540. Transforming local sociotechnical systems for a convenient everyday life - environmental solutions today and tomorrow I

Room: Malibu Parlor 3018, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Kajsa Ellegård, Linköping University, Technology and social change; Jenny Palm, Linköping University

CHAIR(S): Kajsa Ellegård, Linköping University, Technology and social change

2:40 Josefin Thoreson, PhD Student*, Linköping University, *Local action towards sustainable transformation of urban post-war apartment buildings.*

3:00 Jenny Palm*, Linköping University, *Users as drivers of innovation in the energy systems.*

3:20 Dick Magnusson*, Linköping University, *Organizational unbundling of sociotechnical systems - an obstacle for local environmental practices?.*

3:40 Cajsa Bartusch*, Uppsala University, Dept. of Engineering Sciences; Joakim Widén, Uppsala University, Dept. of Engineering Sciences, *Co-ownership in large-scale solar power generation plants from a stakeholder perspective: Lessons learned from a private venture initiated by a municipal power company.*

4:00 Jeffrey B. Kodysh*, Oak Ridge National Laboratory; Olufemi A. Omitaomu, Oak Ridge National Laboratory, *Geospatially Profiling Smart Meter Data Energy Consumption Patterns.*

2541. Tourism as Development in Asia - session 2 (Sponsored by Recreation, Tourism, and Sport Specialty Group, Development Geographies Specialty Group)

Room: Malibu Parlor 3038, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Li Yang, Western Michigan University; H Karst

CHAIR(S): Rudi Hartmann, University of Colorado

2:40 Ming Ming Su, Dr.*, Renmin University of China, School of Environment and Natural Resources, *Ecotourism at Nature Reserves in China: negotiating preservation and development.*

3:00 Li Yang*, Western Michigan University, *Tourists' Perceptions of Agritourism.*

3:20 Huayu Wu*, The University of Hong Kong; Yiping Li, The University of Hong Kong, *Effects of World Heritage Inscription on Hakka Vernacular Tourism.*

3:40 Shuwen Liu*, The University of Hong Kong; Teresa C.H. Tao, The University of Hong Kong, *Assessing Livelihood Impacts of Tourism: A Case Study of Wailingding, China.*

4:00 Teresa Tao*, University of Hong Kong; Geoffrey Wall, University of Waterloo, *Institutional Evolution and Sustainable Livelihoods.*

WEDNESDAY, APRIL 10 • 2:40 PM - 4:20 PM • 2500**2542. Power and identity in urban space (Sponsored by Urban Geography Specialty Group)**

Room: Malibu Parlor 3058, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Taylor Easum, New York University; Marijn Nieuwenhuis

CHAIR(S): Taylor Easum, New York University

2:40 Taylor M. Easum, Ph.D.*, New York University, *Micro-Colonial Urban Space: Chiang Mai and 'Colonial' Siam*.

3:00 Christine A. Hubbard*, LUMS, *Lahore and the Changing Landscapes of Partition*.

3:20 Yannick Sudermann, M.A.*, University of Edinburgh, *Gentrifying the World's Oldest Continuously Inhabited Capital - Authoritarian Power Politics in Old Damascus, Syria*.

3:40 Non Arkaraprasertkul*, Harvard University, *Locating Shanghai: Globalization, Heritage Industry, and the Political Economy of Urban Space in Shanghai Lilong Neighborhood*.

Discussant(s): Marijn Nieuwenhuis

2543. Q Method in Human-Environment Research (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Stentor Danielson, Slippery Rock University
 CHAIR(S): Stentor Danielson, Slippery Rock University

2:40 Rheyne Laney*, Sonoma State University, *Rice Grower Motivations for Adopting Water-bird Friendly Management Practices*.

3:00 Christian Brannstrom*, Texas A&M University, *Reflections on using Q-method in human-environment research*.

3:20 Andy Hilburn*, University of Kansas, *Using Risk Mapping and Q-Methodology to Understand Viewpoints Regarding Garbage in Coxcatlan, Puebla, Mexico..*

3:40 Stentor Danielson*, Slippery Rock University, *Many Versions of a Single Story: Wildfire Management in New Jersey*.

Discussant(s): Elizabeth Barron, Harvard University

2544. Urban Ecosystems: Linking Biogeography and Biogeochemistry (Session I) (Sponsored by Biogeography Specialty Group)

Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Erika Marin-Spiotta; Emily E. Atkinson, University of Wisconsin - Madison

CHAIR(S): Erika Marin-Spiotta

2:40 Amy Townsend-Small, Ph.D.*, University of Cincinnati; Claudia I Czimeczik, Ph.D., University of California, Irvine; Rebecca W Ransohoff, University of Cincinnati; Lily Soderlund, University of Cincinnati, *Carbon sequestration and greenhouse gas emissions in urban ecosystems*.

3:00 Joseph P McFadden*, University of California, Santa Barbara; Emily B Peters, University of Minnesota, *Relationships between CO2 and water vapor fluxes from urban vegetation*.

3:20 Luc Claessens*, University of Delaware, *Hydro-ecology of nutrient- and stormwater management across an urban-rural-forest gradient: White Clay Creek watershed of PA & DE*.

3:40 Jiansheng Wu, Peking University; Zhe Feng*, Peking University, China; Yang Gao, Peking University; Jian Peng, Peking University, *Relationship identification in multiple landscape services: A case study on an area with intensive human activities*.

4:00 Jonathan Duncan*, UNC Chapel Hill; Lawrence Band, UNC Chapel Hill; Peter Groffman, Cary Institute of Ecosystem Studies, *Ecosystem Processes at the Watershed Scale: Spatial and Temporal Scaling of Denitrification*.

2545. Web Service and Web-based GIS (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Huayi Wu, Wuhan University; Xuan Shi, University of Arkansas

CHAIR(S): Huayi Wu, Wuhan University

2:40 Huayi Wu*, Wuhan University, *Geospatial Service Web: Sharing More Than Data*.

3:00 Martin Swobodzinski*, University of Minnesota, *Data mining and knowledge discovery in rich server log files*.

3:20 Jian Chen, Ph.D.*, University of Louisiana at Lafayette; Raju Gottumukkala, Ph.D., University of Louisiana at Lafayette; Christopher Mire, University of Louisiana at Lafayette; Rob Nyren, Ph.D., Geocomp Corp.; Kristoper Armstrong, Geocomp Corp.; Mahesh Anandan, Parsons Brinckerhoff, *A Web-based GIS System for Intelligent Levee Monitoring: iLeveeCentral*.

3:40 Shriram Ilavajhala*, NASA GSFC (Sigma Space); Jeff Schmaltz, NASA GSFC (Sigma Space); Ryan Boller, NASA GSFC; Tilak Joshi, NASA GSFC (Columbus Technologies); Lucian Plesea, ESRI; Jeffrey R. Hall, NASA JPL; George Chang, NASA JPL; Syed Sadaqathullah, NASA JPL; Richard Kim, NASA JPL; Kevin J. Murphy, NASA GSFC; Charles Thompson, NASA JPL, *NASA Global Imagery Browse Services: Rapid Access to Near Real-time, Full Resolution NASA Imagery*.

4:00 Joseph Hoover*, University of Denver, *Development of a Groundwater Quality webGIS Application Employing Usability Testing*.

2546. Migration and Transnationalism in South Korea (Sponsored by Asian Geography Specialty Group)

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Yeong-Hyun Kim, Ohio University

CHAIR(S): Yeong-Hyun Kim, Ohio University

2:40 Amelia Schubert*, University of Colorado, *Conceptualizing diasporic flows: Marriage migration from Yanbian, China, to South Korea*.

3:00 Jong Seo Won*, Kyung Hee University, *Korean-Chinese residential mobility and residence choice behavior in Seoul*.

3:20 Yeong-Hyun Kim*, Ohio University, *The Myth of Living Transnational Lives: Filipino Migrant Workers and Their Home and Hosting Governments*.

3:40 Sylvia Nam*, University of California, Riverside, *Circulations of Seoul in Phnom Penh*.

2547. Dynamic Extend Change Analysis of Land Use Based on GIS-----A case study of Guiyang in China (Sponsored by China Specialty Group, Energy and Environment Specialty Group, Communication Geography Specialty Group)

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Li Lu, The University of Kitakyushu

CHAIR(S): Li Lu, The University of Kitakyushu

2:40 Li Lu*, The University of Kitakyushu; Li Lu, Faculty of Environmental Engineering, The University of Kitakyushu, Japan; Gao Wei Jun, Faculty of Environmental Engineering, The University of Kitakyushu, Japan, *Dynamic Extend Change Analysis of Land Use Based on GIS-----A case study of Guiyang in China*.

WEDNESDAY, APRIL 10 • 2:40 PM - 4:20 PM • 2500**2550. Youth, the Borderlands, and the Spaces in Between IV: Indigenous Youth (Sponsored by Sexuality and Space Specialty Group, Borders, Indigenous Peoples Specialty Group)***Room:* Angeleno, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Denise Dixon Goerisch, San Diego State University; Blake Hawkins, University of Northern British Columbia

CHAIR(S): Blake Hawkins, University of Northern British Columbia

2:40 Robert Bittner, M.A.*, Simon Fraser University, *Hey, I Still Can't See Myself! The Absence of Two-Spirit as a Category and Identity in YA Literature.***3:00** Elizabeth Pearce*, Illinois State University, *The Inner and Outer Landscape in Margaret Mahy's The Tricksters.***3:20** Lydia Wood*, San Diego State University; Kate Swanson*, San Diego State University; Thomas Herman*, San Diego State University, *Living on the borders: Kumeyaay youth and the U.S./Mexico Borderlands.***3:40** Josh Fitzgerald, PhD Student*, University of Oregon, *Constructing Teaching Spaces In Between: Puebloan Youth, Nahua Facilitators, and Advents in Christian Education, 1550 - 1750.*

Discussant(s): Sarah de Leeuw, University of Northern British Columbia

2551. Rising to the challenge: defining the contours of a new 21st century critical urban theory (CUT): Session 2; Thinking the unthinkable in CUT - globalized religion and the visceral politics of recognition (Sponsored by Global Urbanization)*Room:* Bunker Hill, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Chris Baker, University of Chester UK; Justin Beaumont, University of Groningen

CHAIR(S): Chris Baker, University of Chester UK

2:40 Eberhard Rothfuss*, University of Passau, *Theories of recognition, urban inequality and misrecognition in favelas of Brazil.***3:00** Frederic Dejean*, Université de Montréal (CREUM), *From social to spatial "recognition": what place for the "politics of recognition" in critical urban theory.***3:20** Justin Beaumont*, University of Groningen; Chris Baker, University of Chester, *Towards a postsecular ethics of the city.***3:40** Markha Valenta, Dr. *, Radboud University Nijmegen, *The City and the Highlands: Developing Critical Urban Theory in Light of Global Religious Politics.***4:00** Clara Greed*, UWE, *Religion as Capital: It May Take a Miracle.***2552. Biodiversity Conservation and Compatibility with Agricultural Intensification-I: Advances of the Social-Ecological Sciences for Sustainability and Food Security (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Geographies of Food and Agriculture Specialty Group)***Room:* Grand Ballroom Salon 1, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Karl Zimmerer, Pennsylvania State University; B. L. Turner II, Arizona State University

CHAIR(S): Karl Zimmerer, Pennsylvania State University

Introducer: B. L. Turner II

Discussant(s): Karl Zimmerer, Pennsylvania State University

Panelists: Eric Lambin, Stanford University; Ruth DeFries, Columbia University; Darla Munroe, Ohio State University

2553. Graduate Students in the Field: Reflections on International Fieldwork (Sponsored by Graduate Student Affinity Group)*Room:* Grand Ballroom Salon 2, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Zia Salim, San Diego State University /

University of California, Santa Barbara

CHAIR(S): Zia Salim, San Diego State University / University of California, Santa Barbara

Introducer: Zia Salim

Discussant(s): Emma Gaalaas Mullaney, The Pennsylvania State University

Panelists: Harry Fischer, University of Illinois Urbana Champaign; Elizabeth Hennessy, University of North Carolina Chapel Hill; Jeff Garmany, King's College London; Marta Jankowska, San Diego State University; Sarah Wandersee, SDSU Geography

2554. Moving to Berlin 3: Cultural Spaces and Practices (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)*Room:* Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Samuel Merrill, University College London; Sandra Jasper

CHAIR(S): Julia Binder, Humboldt-Universität zu Berlin

2:40 Sandra Jasper*, University College London, *Berlin: Amplified City - Acoustic Controversies in Hans Scharoun's Philharmonie.***2:50** Luise Rellensmann*, Getty Conservation Institute; John Schofield, Dr, University of York, UK, *Forward to the Past: Constructing Heritage - Berlin Techno and the Changing City.***3:10** Christian Haid*, Center for Metropolitan Studies, Technical University Berlin, *Anything goes? - Informality and Conflict in Diasporic Practices in Berlin.***3:30** Karen E. Till*, NUI Maynooth, *(Re)Public Art/ KUSTrePUBLIK: Berlin's new Center for Art and Urbanism.***3:50** Matthew Gandy*, University College London, *Transect.*
Discussant(s): Nicole Huber, University of Washington**2555. Pragmatism and Geography: Continuing the Conversation (Sponsored by Urban Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Socialist and Critical Geography Specialty Group)***Room:* Grand Ballroom Salon 4, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Robert W Lake, Rutgers University

CHAIR(S): Robert W Lake, Rutgers University

2:40 Kyle Loewen*, University of British Columbia, *Reality, Truth, and the Methodological insights of James and Bergson.***3:00** Sharon M Meagher*, The University of Scranton, *Jane Addams as Pragmatist: Complicating Our Mapping of Urban Theory and Geography.***3:20** Susan Saegert*, The Graduate Center CUNY, *What Is the Situation? : Pragmatic implications for geographic inquiry into global crises.***3:40** Tim Schwanen*, University of Oxford, *Everyday mobility, habits and energy consumption: Lessons from pragmatism.***4:00** Robert W Lake*, Rutgers University, *Anticipations of PAR: Dewey, Democracy and Social Hope.***2556. (Re)Imagining Borders in an Era of Migration and Deportation II: In/securities (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Borders)***Room:* Highland, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Kate Coddington, Syracuse University; Jill Williams, Clark University

CHAIR(S): Kate Coddington, Syracuse University

2:40 John Alexander Pysklywec*, Dept of Geog, UBC, *On the Wrong Side of the Wall: Reconfiguring the Border;*

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3:00 Cynthia Sorresen*, Texas Tech University, *Making the Subterranean Border Visible: National Security, Narco Tunnels and the Politics of Counting.*

3:20 Joshua Labove*, Simon Fraser University, *Borders as Metaphor, Borders as Law: Discursive and Legal Foundations of U.S. post-9/11 Immigration Enforcement.*

3:40 Brittany Cook*, University of Kentucky, *Multiple Contested Borders for Palestinians in Cyprus.*

Discussant(s): Lauren Martin, University of Oulu

2557. Drugs, Deserts, Oceans, Wars: Researching Illegality and Legibility III (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)

Room: Hollywood, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Dominic Corva, University of Washington;

Jonathan Taylor, California State University, Fullerton

CHAIR(S): Dominic Corva, University of Washington

2:40 Dominic Corva, PhD*, Sarah Lawrence College, *Requiem for a CAMP: post-mortem for a domestic drug war institution.*

2:55 Jonathan Taylor, PhD*, California State University, Fullerton, *The Obama Administration and the Expanding War on Drugs.*

3:10 Margath Walker*, University of Louisville, *Borders, Security and the War on Drugs: A Critique of Policy Frameworks.*

3:25 Steven M Graves, PhD*, California State University, Northridge, *Medical Marijuana Landscapes of Los Angeles.*

3:40 Vanessa A Massaro*, Penn State University, *'It's mostly just sitting around and waiting for the first of the month': The everyday spaces and practices of the drug economy in Philadelphia.*

3:55 Heather Agnew*, University of California, Los Angeles (UCLA), *Further South of the Border: the Spatial Diffusion of Drug War Violence in the Northern Triangle.*

2558. Geographies of Agri-Food Systems III (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Melrose, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Jenny E Goldstein, University of California, Los Angeles (UCLA)

CHAIR(S): Erin Streff

2:40 Carly Nichols*, University of Arizona, *The Cultural Politics of Subsistence Agro-Food Systems: A Case from Eastern India.*

3:00 Erin Streff*, *"Back to the Land": Understanding local responses to food security and changing agricultural production in The Gambia, West Africa.*

3:20 Stephen D Peyton*, Macalester College; William Moseley, Professor, Macalester College, *The Geography of Supermarket Expansion in Cape Town: Assessing Market-Based Solutions to Addressing Food Insecurity.*

3:40 Angela Babb*, Indiana University, *Community Food Security: The View of Alternative Food Networks from a Food Desert.*

4:00 Kathleen Talbot, MA*, Arizona State University, *A Participatory, Transformational Approach to Urban Food Security Research.*

2559. Extractive Industries: Development and Governance, Part I: Impact, community, and the governance of development opportunity (Sponsored by Energy and Environment Specialty Group, Development Geographies Specialty Group)

Room: Olvera, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Caitlin A McElroy, Oxford University

CHAIR(S): Caitlin A McElroy, Oxford University

2:40 Lauren Baker*, Yale University, *Indigenous politics regarding oil concessions in the Peruvian Amazon: Confronting Invisibility, Impunity, and Abandonment.*

3:00 Juan Luis Dammert, PhD Student, Graduate School of Geography*, Clark University, *Offshore-inland gas extraction in the Amazon: environmental governance of the Camisea project in the lower Urubamba, Peru.*

3:20 Fenda A Akiwumi, Ph.D.*, University of South Florida, *Strangers, Indigenes and Sierra Leone Mining: Antagonism, Alliance and Policy Challenges.*

3:40 Meredith DeBoom*, University of Colorado at Boulder, *Politics and Geopolitics of Foreign Investment in Namibia's Extractive Industries: A Mixed Methods Approach.*

Discussant(s): Jessica Budds, University of Reading

2560. Cultural values mapping using participatory GIS: Methods, maps, and meanings Part 2

Room: Olympic, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Rebecca McLain, Institute for Culture and Ecology; David Banis, Portland State University

CHAIR(S): Rebecca McLain, Institute for Culture and Ecology

Introducer: David Banis

2:45 Sarah C Klain, MSc*, University of British Columbia; Kai MA Chan, PhD, University of British Columbia, *Navigating coastal values: Participatory mapping of ecosystem services for spatial planning.*

3:05 Rachelle Gould*, Stanford University; Noemi Walzebuck, Stanford University; Gretchen C. Daily, Stanford University; Nicole M. Ardoin, Stanford University, *Only 100 tokens? Mapping of Cultural Ecosystem Services in Kona, Hawai'i.*

3:25 Alexa North Todd*, Portland State University, *Mapping Sociocultural Values of Visitors to the Olympic Peninsula, WA.*

3:45 Rebecca McLain*, Institute for Culture and Ecology; Lee Cerveney, US Forest Service, Pacific Northwest Research Station; David Banis, Portland State University, Department of Geography, *Cultural values mapping as a form of politics: Struggles over natural resources on the Olympic Peninsula, Washington USA.*

Discussant(s): Patrick Hurley, Ursinus College

2561. Making Market Rule(s): Micro practices to macro-movements 3 (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Joshua Akers, University of Toronto;

Christopher Muellerleile, University of Wisconsin-Madison

CHAIR(S): Christopher Muellerleile, University of Wisconsin-Madison

2:40 Sean Tanner*, Rutgers University, *Actor-Networks, Making Markets, and Scientific Practice: Encountering International Development NGOs and Sites of Intervention.*

3:00 Sophie Webber*, University of British Columbia, *Randomized control trials, development economics, and the search for scientific rigor.*

3:20 Kevin Gould*, Concordia University, *Imposing neoliberalism?: politics of implementing Land Administration in Peten, Guatemala.*

3:40 James Biles*, City College of New York/CUNY, *Actors, Institutions, Networks and the (re)Making of Global*

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Markets for a Traditional Horticultural Crop in Southeastern Mexico: The Case of Chile Habanero.

Discussant(s): Rachel Silvey, U. of Toronto

2562. Rail Landscapes II: Spatial Structure and Sustainability (Sponsored by Transportation Geography Specialty Group)

Room: Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Michael Minn, University of Illinois

CHAIR(S): Michael Minn, University of Illinois

2:40 Erik J De Deyn*, K.U.Leuven, *Converting the diffuse spatial constellation of Flanders into a more polycentric structured region by strengthening sustainable spatial corridors with a high-quality transit-line as backbone. In search of spatial, urban and mobility indicators for detection, categorization and evaluation of Public Transit Corridors..*

3:00 Lei Feng*, Division of Geoenvironmental Science, Department of Earth Science, Graduate School of Science, Tohoku University, Japan, *Urban Growth Patterns and the Role of Mass Rapid Transit - lessons from Japanese cities~.*

3:20 Zachary Patterson, PhD*, Concordia University; Annelise Grube-Cavers, Concordia University, *A Survival Analysis Approach to Estimating the Effect of Urban Rapid Rail Transit on Gentrification.*

2563. Take Back the Economy IV: Practices of Commoning (Sponsored by Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Stephen Healy, Worcester State University;

Katherine Gibson, University of Western Sydney

CHAIR(S): Jenny Cameron, University of Newcastle

Panelists: Vincent Del Casino, University of Arizona; Robby Herbst, Llano Del Rio Collective; David Burns, C/O Jenny Cameron; Oona Morrow, Clark University; Matthew McCourt, University of Maine Farmington

2564. Urban Political Ecology Redux III (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Pico, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Jennifer Rice, The University of Georgia; Nik Heynen, University of Georgia

CHAIR(S): Jennifer Rice, The University of Georgia

2:40 Stephen Gasteyer*, Michigan State University, *The Political Ecology and Shrinking Cities: The Metabolic Rift Meeting Austerity's Dystopia - with Green Linings of Hope.*

3:00 Seth Gustafson*, The University of Georgia, *Exurban Environmental Governance and Legibility in Southern Appalachia.*

3:20 Nate Millington*, University of Kentucky, *Seeing the High Line: Urban Political Ecology, Aesthetics, and the Post-Political Landscape.*

3:40 Sara Macdonald*, The City Institute at York University (CITY); Roger Keil, Dr., The City Institute at York University (CITY), *Rethinking Urban Political Ecology from the Outside In: Greenbelts and Boundaries in the Post-Suburban City.*

4:00 Melanie Samson*, Public Affairs Research Institute, *Accumulation by dispossession and the contested enclosure of waste - struggles over the production of knowledge, meanings and identities at a Johannesburg garbage dump.*

2570. Imperial Development Regimes in the Long Twentieth Century

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Aaron Jakes, New York University

CHAIR(S): Nathan Sayre, University of California, Berkeley

2:40 Aaron G. Jakes*, New York University, *Policing Agriculture, Setting Finance Free: Crisis and State Formation in Colonial Egypt.*

3:00 Samantha Iyer*, University of California, Berkeley, *The Emergence of the Post-War International Food Order.*

3:20 Greta Marchesi*, University of California Berkeley, *Governing the Global Granary: Democracy, Bureaucracy, and Mid-20th Century International Agrarian Politics.*

3:40 Jatin Dua*, Duke University, *From 'Dhow Chasing' to Private Military Companies: A Long History of Counter-Piracy in the Western Indian Ocean..*

Discussant(s): Nathan Sayre, University of California, Berkeley

2571. Hurricanes I: Climatology and Meteorology (Sponsored by Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group)

Room: Bernard's, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Kam-Biu Liu, Louisiana State University

CHAIR(S): Kam-Biu Liu, Louisiana State University

2:40 David R Roache*, University of South Florida; Jennifer M Collins, University of South Florida, *The Impact of the MJO on North Atlantic Tropical Cyclone Activity during ENSO Neutral Conditions.*

3:00 Jill C Trepanier, Ph.D.*, Louisiana State University, *Spatial Risk of Hurricane Winds over the Gulf of Mexico and North Atlantic.*

3:20 Corene J. Matyas, PhD*, University of Florida, *A TRMM-based analysis of tropical cyclone rainfall regions over land and water.*

3:40 Allan Frei*, Hunter College; Adao Matonse, CUNY Institute for Sustainable Cities, *Hydrological impacts of Hurricane Irene and Tropical Storm Lee in historical context: is the frequency of extreme hydrological events changing in southern New York State?.*

4:00 Mark R Welford*, Georgia Southern University; Brian H Bossak, Georgia Southern University, *Georgia's Historical Hurricane Record from 1750 forward.*

2572. The rise, decline (and rise again?) of the middle classes (Sponsored by Global Urbanization)

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Alejandro Guarin, German Development Institute / Deutsches Institut für Entwicklungspolitik; Jason Strange, UC Berkeley

CHAIR(S): Alejandro Guarin, German Development Institute / Deutsches Institut für Entwicklungspolitik

2:40 Alejandro Guarin*, German Development Institute / Deutsches Institut für Entwicklungspolitik, *The poverty of the new global middle classes.*

3:00 Manisha Anantharaman*, University of California at Berkeley, *Recycling Cycling: The Cultural and Environmental Politics of The New Middle Classes of India.*

3:20 Jason M Brenier, Ph.D.*, *The Effects of Advanced Technology on Workforce Demand.*

3:40 Beverley Mullings*, Queen's University, *Neoliberalization and the re-composition of the Jamaican middle class: post-plantation legacies and diasporic futures.*

Discussant(s): Jason Strange, UC Berkeley

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- 2573. Ethnic Geography Specialty Group Distinguished Scholar Lecture: James Tyner (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)**

Room: *Corinthian, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Carlos Teixeira, University of British Columbia Okanagan
 CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan
 Discussant(s): James Tyner, Kent State University; Jenna Loyd, Syracuse University; Patricia Price, Florida International Univ.

- 2574. Tornado Risk, Vulnerability, and Preparedness, Part II: Physical Factors (Sponsored by Climate Specialty Group)**

Room: *Corsican, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Grady Dixon, Mississippi State University
 CHAIR(S): Kelsey N Scheitlin, Longwood University
2:40 Tory J Farney, B.S.*, Mississippi State University; Paul Grady Dixon, B.S., M.S., Ph.D., Mississippi State University, *Investigation of the Variability of Extreme Tornado Climatology*.
3:00 Barrett Gutter, B.S.*, Mississippi State University; Michael Brown, Ph.D., M.S., B.S., Mississippi State University, *Investigation of Vegetation Discontinuities Related to Multiple EF4 and EF5 Tornado Scars and Enhanced Convection for April 25 - 28, 2011*.
3:20 Michelle Saunders*, Salisbury University, *The Differing Monthly Migration of United States Tornadoes: 1950-2011*.
3:40 Luigi Romolo*, Department of Geography & Anthropology, Louisiana State University; Ryan Smith, Department of Geography, The University of Winnipeg; Danny Blair, Department of Geography, The University of Winnipeg; Robert V Rohli, Department of Geography and Anthropology, Louisiana State University, *On the use of Synoptic Typer Tools to Identify the Synoptic Controls on Tornado Occurrence in the Southeastern United States*.
4:00 Thomas B Williams*, Western Illinois University, *Early Season Tornado Outbreak Across the Ohio Valley on 2 March 2012*.

- 2575. Spatial Analysis and Simulation**

Room: *Florentine, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): James Pick, University of Redlands
2:40 Soheil Boroushaki*, California State University Northridge, *Implementing Ordered Weighted Averaging (OWA) Operators in ArcGIS Using ModelBuilder*.
3:00 Cheng Liu*, Oak Ridge National Laboratory, *An Emergency Evacuation Simulator on Mobile Device*.
3:20 Luis Chias*, Instituto de Geografía, UNAM.; Armando Martínez Santiago, Geografo, Unidad GITS-IGG-UNAM; Héctor Daniel Reséndiz López, M. Ing., Unidad GITS-IGG-UNAM; René Cruz López, Geografo, Unidad GITS-IGG-UNAM, *Spatial Analysis of traffic accidents at the Mexico - Nuevo Laredo highway corridor, 1998-2009*.
3:40 Matin Katirai, Ph.D.*, West Chester University, *Four Minute Response Times: Who and what areas are Left Out*.
4:00 James B. Pick*, University of Redlands; Tetsushi Nishida, University of Redlands, *Analysis of the Global Digital Divide*.

- 2576. Homelessness and Population**

Room: *Grecian, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Melissa J. Rura, UMNC
 CHAIR(S): Melissa J. Rura, UMNC
2:40 Ashley M Tinney*, Miami University, *Gentrification and Changing Sense of Place: Perspectives of Drop Inn Center Clients in Over the Rhine, Cincinnati*.
3:00 Zhi-Jun Liu*, University of North Carolina at Greensboro; David Morse, University of North Carolina at Greensboro, *A Spatial Analysis of Racial Segregation in Major Metropolitan Areas of North Carolina*.
3:20 Timmy Huynh*, Oak Ridge National Laboratory; Jacob McKee, Oak Ridge National Laboratory; Amy Rose, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory, *Spatially-Explicit Projection of the U.S. Population for 2030 and 2050: Developing County-Level Population Projections and Spatial Allocation Rates*.
3:40 Clio Andris*, Santa Fe Institute, *Distance in Social Geography*.
4:00 Christopher Herring*, UC Berkeley Sociology, *The New Logics Homeless Seclusion: The Roots and Implications of America's Homeless Camps*.

- 2577. Land Systems Science Symposium: Case Studies - Africa (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: *Heinsbergen, Biltmore, Lobby Level* (Paper Session)
 ORGANIZER(S): Richard Aspinall
 CHAIR(S): Anette Reenberg
2:40 Anette Reenberg*, Department of Geography and Geology, Copenhagen University; Issoufou Maman, University of Niamey; Peter Oksen, *Land use and livelihood trajectories in SE-Niger: Wise local coping or vicious adaptation to climatic and demographic pressures?*.
3:00 Joel Hartter*, University of New Hampshire; Michael Palace, Earth Systems Research Center, Institute of Earth, Oceans, and Space, University New Hampshire; Sadie J Ryan, Department of Environmental and Forest Biology, SUNY College of Environmental Science and Forestry; Jeremy Diem, Department of Geosciences, Georgia State University, *Forest Loss, Agricultural Intensification, and the Islandization of Protected Areas in the African Albertine Rift*.
3:20 Lesley Rigg*, Northern Illinois University; Jane Southworth, PhD, University of Florida; Cerian Gibbes, Ph.D., University of Colorado, Colorado Springs; Peter Waylen, PhD, University of Florida; Shannon McCarragher, Northern Illinois University; Lin Cassidy, PhD, University of Botswana, *Linking dendrochronology, satellite remote sensing and climate in savanna landscapes, Botswana*.
3:40 Jane Southworth, PhD*, University of Florida; Cerian Gibbes, PhD, University of Colorado, Colorado Springs; Peter Waylen, PhD, University of Florida; Brian Child, PhD, University of Florida, *How do climate variability and climate change influence vegetation cover and vegetation change in dryland ecosystems across Southern Africa?*.

- 2578. Territorial Cleansing: Removing the Other**

Room: *Mediterranean, Biltmore, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Stephen Egbert, University of Kansas
 CHAIR(S): Stephen Egbert, University of Kansas
 Introducer: Stephen Egbert
 Panelists: Nathaniel Ray Pickett; Vincent Artman, University of Kansas; William Price, University of Kansas; Paula Smith, University of Kansas; Austen Thelen, University of Kansas

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2579. Examining the informal: connecting the fragmented city and urban water supply (Sponsored by Global Urbanization)

Room: Moroccan, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Michelle Kooy, UNESCO-IHE

CHAIR(S): Michelle Kooy, UNESCO-IHE

2:40 Rhodante Ahlers, Independent researcher; Michelle Kooy, UNESCO-IHE; Maria Rusca*, UNESCO-IHE; Klaas Schwartz, UNESCO-IHE; Mireia Tutusaus Luque, UNESCO-IHE, *Reconceptualizing Informal Water Provisioning*.

3:00 Rhodante Ahlers, Independent researcher; Michelle Kooy, UNESCO-IHE; Maria Rusca, UNESCO-IHE; Klaas Schwartz*, UNESCO-IHE; Mireia Tutusaus Luque, UNESCO-IHE, *Urbanization and informality. The case of small scale providers in Maputo, Mozambique*.

3:20 Hilary Hungerford*, South Dakota State University, *Bodies of water? Water, biopolitics, and bodies in Niamey, Niger*.

3:40 Cynthia Morinville*, The University of British Columbia, *The Ambivalence of Participation: exploring notions of citizenship under neoliberal urban governance*.

Discussant(s): Colin McFarlane, Durham University

2580. Digital Divides, Digital Domination, and Digital Divisions of Labour

Room: Roman, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Monica Stephens, Humboldt State University;

Alan McConchie, University of British Columbia

CHAIR(S): Mark Graham, University of Oxford

2:40 Alan McConchie*, University of British Columbia; Brian Klinkenberg, University of British Columbia, *From "wiki gardening" to "map gardening": Understanding user-led maintenance of Volunteered Geographic Information*.

3:00 Matthew James Kelley, Ph.D.*, University of Washington, Tacoma, *Urban Experience Takes an Informational Turn: Mobile Internet Usage and the Unevenness of Geosocial Media Activity*.

3:20 Gregory Donovan*, CUNY Graduate Center, *Young People and the Everyday Pedagogy of Proprietary Information Ecologies*.

3:40 Sarah Williams*, Massachusetts Institute of Technology; Jacqueline M Kloop, Phd, Columbia University; Dan Orwa, Phd, University of Nairobi; Peter Waiganjo Wagacha, Phd, University of Nairobi, *Using Cell Phones to Create and Open Source Data for Nairobi's Semi-Formal Bus System*.

4:00 Qiyang Xu*; Hanif Rahemtulla; Charles Brigham; Samantha Custer, *The Open Data 'Bazaar': Crowdsourcing Solutions to Improve Data Accuracy and Re-Use in Kenya*.

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- 2602. Geographies of Hope Symposium 4: Hopeful Political Economies II (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Energy and Environment Specialty Group, Development Geographies Specialty Group, Indigenous Peoples Specialty Group)**

Room: *Beaudry B, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Lindsay Shade, University of Kentucky
 CHAIR(S): Lindsay Shade, University of Kentucky
4:40 Lindsay Shade, PhD Student*, University of Kentucky, Department of Geography, *Doing Resistance: The Inter-Play of Hope and Contradiction in the Construction of Alternatives to Mining in Ecuador's Intag Region.*
5:00 Anja Kanngieser*, Royal Holloway University of London, *Creating radical political economies through communicating differently.*
5:20 Nicholas L. Padilla*, University of Wisconsin-Milwaukee, *Cultivating indigenous economies in southwest Colombia: indigenous development and madre tierra.*
5:40 Nicholas Brown*, University of Illinois at Urbana-Champaign, *Resisting Settler Accumulation in the Alberta/Montana Borderlands.*
 Discussant(s): Dianne Rocheleau, Clark University

- 2603. How we walk the talk: Action research and activist scholarship; past, present, and future #3--Expeditions and Institutes: Legacies and Futures (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)**

Room: *La Brea, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Christian Anderson, University of Washington at Bothell; Amanda Huron, University of the District of Columbia
 CHAIR(S): Amanda Huron, University of the District of Columbia
 Panelists: Ronald Horvath; Bree Kessler, CUNY Graduate Center; Amanda Matles; Matthew Bissen; Cindi Katz, CUNY Graduate Center

- 2604. Practice what you teach: Critical pedagogies, critical theory, and the politics of teaching politics**

Room: *La Cienega, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Farhang Rouhani, University of Mary Washington
 CHAIR(S): Melina Patterson, University of Mary Washington
 Panelists: Farhang Rouhani, University of Mary Washington; Melina Patterson, University of Mary Washington; Zoe Hammer, Prescott College; Elsa Noterman, University of Wisconsin-Madison; Heather Rosenfeld, University of Wisconsin - Madison

- 2605. Comparative Studies on Innovation and Clusters II (Sponsored by China Specialty Group, Economic Geography Specialty Group)**

Room: *Los Cerritos, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Yifei Sun, California State University, Northridge; Peilei Fan, Michigan State University
 CHAIR(S): Markus Seiwald, University of Salzburg
4:40 Christopher D Higgins*, McMaster University; Pavlos S Kanaroglou, McMaster University, *Knowledge, Innovation, and Creative-Sector Employment Agglomerations and Centripetal Growth in Canadian Cities.*
5:00 Qinglan Qian*, Guangzhou University, *A research on the innovation network of traditional industrial cluster: take leather industry in shiling as an example.*
5:20 Hyejin Yoon, PhD*, Department of Geography, University of Wisconsin-Milwaukee, *Reconsidering cluster-*

dynamics in different local and global context: The case of animation industry in Seoul, South Korea.

- 5:40** Markus Seiwald*, University of Salzburg, *Co-evolution in the development of Austria's bioenergy landscape.*

- 2606. Violence and Space III - The Americas (Sponsored by Political Geography Specialty Group)**

Room: *Los Feliz, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Philippe Le Billon, University of British Columbia; Simon Springer, University of Victoria
 CHAIR(S): Simon Springer, University of Victoria
4:40 Sarah Hunt*, Simon Fraser University, *Recognizing Violence and its Subjects: disrupting colonial logics in British Columbia.*
4:58 Elana Zilberg*, UCSD, *Neoliberal Securityscapes: Policing the "Transnational Gang Crisis" between the Americas.*
5:16 Paige M Patchin*, University of British Columbia, *Ciudad de la Paz: The Imaginative Geographies of Militarization in Mérida, México.*
5:34 Jeff Garmany*, King's College London, *Spacing the state: Police, violence, and urban poverty in Brazil.*
5:52 Amy Ross*, University of Georgia, Athens, *Visualizing the 'Disappeared' in Guatemala and Argentina.*

- 2607. Books about Cities by Geographers: Benefits, Challenges, and Why We Don't Have More (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)**

Room: *Palos Verdes, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Rex Rowley, University of Wisconsin-Platteville
 CHAIR(S): Rex Rowley, University of Wisconsin-Platteville
 Panelists: John C. Hudson, Northwestern University; Craig Colten, Louisiana State University; Patricia Gober, Arizona State University; Rex Rowley, University of Wisconsin-Platteville

- 2608. Suburban Dreamscape to Suburban Nightmare? IV: Aging, Senescence, and Revitalization (Sponsored by Urban Geography Specialty Group)**

Room: *San Bernardino, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Christopher Niedt, Hofstra University; Paul J Maginn, University of Western Australia
 CHAIR(S): Christopher Niedt, Hofstra University
4:40 Paula Negron, Ph.D.*, University of Montreal; Sebastien Lord, Ph.D., University of Montreal, *Living in Montreal's inner suburbs: Urban quality, mobility capacities and walking routes in old age.*
5:00 Katrin Anacker*, George Mason University, *The New American Suburb: Poverty, Race, and the Economic Crisis.*
5:20 Ralph B. McLaughlin, PhD*, San Jose State University, *Wither the suburb? A shift-share analysis of residential housing growth in California.*
5:40 Selima Sultana*, University of North Carolina-Greensboro; Matthew Catanzarite, University of North Carolina at Greensboro, *Edge Cities Revisited: America's Restless Suburban Landscape.*

- 2609. Africa IX - Contemporary and Urban Africa (Sponsored by Global Urbanization, Africa Specialty Group)**

Room: *San Fernando, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
 CHAIR(S): Iddrisu Adam, University of Wisconsin - Marshfield Campus
 Introducer: Iddrisu Adam
4:45 Joseph F Witek*, Ohio University, *Johannesburg: Africa's World City?.*
5:05 Matthias A. Fleischer*, University of Erlangen-Nuremberg;

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Maximilian Fuhrmann*, University of Erlangen-Nuremberg; Christoph Haferburg, Dr., University of Erlangen-Nuremberg; Fred Krueger, Prof. Dr., University of Erlangen-Nuremberg, "Festivalisation" of Urban Governance in South African Cities.
 Discussant(s): Iddrisu Adam, University of Wisconsin - Marshfield Campus

2610. Paleorecords of our Changing Earth V: Lakes, Landscapes and Climates in the Tropical and Middle Latitudes (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: San Gabriel A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Catherine Yansa, Michigan State University; Sally Horn, University of Tennessee

CHAIR(S): Michelle Goman, Sonoma State University

4:40 Jiaying Wu*, The University of Georgia; David F Porinchu, University of Georgia; Sally P Horn, University of Tennessee; Haberyan A Kurt, Northwest Missouri State University, *A Chironomid-Based Reconstruction of Late Holocene Environmental Change In Southern Costa Rica*.

5:00 Jason McVay*, Virginia Tech; Lisa Kennedy, PhD, Virginia Tech; Kam-biu Liu, PhD, Louisiana State University, *Patterns of Charcoal Deposition as Evidence of Long Term Fire History; Laguna Limón, Dominican Republic*.

5:20 Katrina A Moser*, University of Western Ontario; Elizabeth J Hundey, University of Western Ontario; Kelly Alexander, University of Western Ontario; Braden A Dyce, University of Western Ontario, *Cultural Eutrophication: It Really Stinks!*.

5:40 Alison Keener*, Michigan State University, *Reconstructing Pre-Settlement Phosphorus Concentrations Using Diatoms*.

6:00 Christopher A Underwood*, University of Tennessee; Sally P Horn, University of Tennessee, *Holocene Forest Composition and Fire History in the Southern Appalachian Mountains, U.S.A..*

2611. Payments for Ecosystem Services: Paths toward Sustainability--Session II (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: San Gabriel B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Li An, San Diego State University; Douglas Stow, San Diego State University

CHAIR(S): Li An, San Diego State University

4:40 Pamela McElwee, Ph.D.*, Rutgers, *Payments for Ecosystem Services in Vietnam: Balancing Equity and Efficiency in Market Approaches to Forest Conservation*.

5:00 Drew Bennett*, Oregon State University; Hannah Gosnell, Oregon State University, *Placing Payments for Ecosystem Services within a Social-Ecological Systems Framework*.

5:20 Mark McGinnis*, Dudek, *Monitoring Southern California Habitat Reserves using High Spatial Resolution Satellite Imagery and LIDAR*.

5:40 Brian E Robinson, PhD*, Univ of Minnesota; Hua Zheng, PhD, Chinese Academy of Sciences; Yicheng Liang, PhD, Xian Jiaotong University, *Is It Worth It? The Benefits, Costs and Livelihood Implications of Paying for Land Use Change*.

6:00 Douglas Stow*, San Diego State University; Caitlin Chason Lippitt, San Diego State University; Lloyd Coulter, San Diego State University, *Monitoring Ecosystem Conditions Based on Changes in Vegetation Growth Form Fractions Estimated Using SPOT Satellite Data and Spectral Mixture Analysis*.

2612. Regional development, entrepreneurship, and economic change (Sponsored by Economic Geography Specialty Group, Business Geography Specialty Group)

Room: San Gabriel C, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Murray D Rice, University of North Texas

CHAIR(S): Murray D Rice, University of North Texas

4:40 Travis Gliedt, Dr. *, University of Oklahoma; Paul Parker, Dr., University of Waterloo, *Adaptive ENGOS: A Proactive Response to a Changing Policy Environment*.

5:00 Xinyue Ye*, Bowling Green State University, *Comparative Space-Time Analysis of Regional Economic Development and Open Source Implementation*.

5:20 Hyejin Jung, Cleveland State University; Haifeng Qian*, Cleveland State University, *Overcoming knowledge filter: absorptive capacity, entrepreneurship, and regional development*.

5:40 Howard Tenenbaum*, Simon Fraser University, *Where is the Money? Opportunities and Issues for Using the Summary of Deposit Data*.

6:00 Murray D Rice*, University of North Texas; Sean Tierney, University of Denver; Sean O'Hagan, Nipissing University; Donald Lyons, University College Cork; Milford B Green, University of Western Ontario, *The Geography of Directors and Business Growth: An Analysis of Canada's Largest Firms*.

2613. Beyond the Ivory Tower B: Preparing Geographers for Careers in Government and Nonprofits (Sponsored by Applied Geography Specialty Group, Enhancing Departments and Graduate Education project (EDGE))

Room: San Pedro, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Michael N. Solem, Association of American Geographers; Joy K. Adams, Association of American Geographers

CHAIR(S): Michael N. Solem, Association of American Geographers

Introducer: Michael N. Solem

Introducer: Beth Schlemper

Panelists: Bill Hodge, City of Midland; Johanne Sanschagrin, Government of Canada; John Cromartie, Economic Research Service, USDA; John Wertman, Association of American Geographers; Lucy Stanfield, US Environmental Protection Agency; Richard Quodamine, NYS DOT; Jill Wertheim, National Geographic; Budhendra Bhaduri, Oak Ridge National Laboratory

2614. Engage public discourse? Geographers and China--the spectacle? (Sponsored by Political Geography Specialty Group, China Specialty Group, Symposium on New Geographies of Urban China, Economic Geography Specialty Group)

Room: Santa Anita A, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Yu Zhou, Vassar College; Yifei Sun, California State University, Northridge

CHAIR(S): Yifei Sun, California State University, Northridge

Introducer: Yu Zhou

Discussant(s): Alexander Murphy, University of Oregon

Panelists: Cindy Fan, University of California, Los Angeles (UCLA); Tim Oakes, University of Colorado; John Agnew, University of California - Los Angeles; Alana Boland, University of Toronto; Michael Webber, The University of Melbourne; Yifei Sun, California State University, Northridge

2615. 'Tackling Sustainability during the environmental, food and fiscal crisis: challenges and opportunities? (Sponsored by Rural Geography Specialty Group)

Room: Santa Anita B, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Alison Blay-Palmer, Wilfrid Laurier University
 CHAIR(S): Alison Blay-Palmer, Wilfrid Laurier University

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Introducer: Alison Blay-Palmer
 Discussant(s): Robert Krueger, Worcester Polytechnic Institute
 Panelists: Julian Agyeman, Tufts University; Alison Hope Alkon, University of the Pacific; Terry Marsden, Cardiff University

2617. John Odland Award (SAM Student Paper Competition) II (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Santa Barbara A, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Joni Downs, University of South Florida
 CHAIR(S): Joni Downs, University of South Florida
 4:40 Luyang Ren*, Clark University; Laura Hansen, Clark University, *Implementing Visual Contrast in Viewshed Determination*.

5:00 Ruojing W Scholz*, Texas State University - San Marcos; Yongmei Lu, Texas State University - San Marcos, *Detecting Dynamic Activity Patterns at Collective Scale from Large Volume Trajectory Data*.

5:20 Yue Dou*, University of Waterloo, *Exploring scenarios for reducing emissions from deforestation and forest degradation in the Brazilian Amazon*.

5:40 Eric Shook*, University of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign, *Investigating the Influence of Spatial and Temporal Granularities in a Parsimonious Epidemic Agent-based Model*.

6:00 Yu Sun*; Hao Chen, *A Fast Algorithm on Calculating Fetch Distance in Raster Space*.

2618. CyberGIS Symposium: From Big Data to the Long Tail: Data Discovery, Archiving, Workflows, and Integration from the NSF DataNet Projects

Room: Santa Barbara B, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): David Van Riper, Minnesota Population Center
 CHAIR(S): David Van Riper, Minnesota Population Center
 Panelists: David Van Riper, Minnesota Population Center; Amber E Budden, DataONE; Reagan W Moore, DICE

2619. Spatial and Spatio-Temporal Data Mining & Visualization (3): Social Data Mining (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

Room: Santa Barbara C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Diansheng Guo, University of South Carolina; David Folch, University of Colorado at Boulder
 CHAIR(S): David Folch, University of Colorado at Boulder

4:40 Ziliang Zhao*, University of Tennessee; Shih-Lung Shaw, PhD, University of Tennessee; Zhixiang Fang, PhD, Wuhan University, *Mining the Evolving Collaboration Patterns of IJGIS Authorship Network*.

5:00 Wenwen Li*, Arizona State University, *Geospatial Data Mining on the Web: Discovering Locations of Emergency Service Facilities*.

5:20 Peter Kimosop*, Bowling Green State University; Xinyue Ye, Bowling Green State University, *Point Pattern Analysis of Kenya Certificate of Primary Education: Spatial and Gender Inequality*.

5:40 Michael Nesius*, Florida State University, *Social Networks and the Ruralization of the Urban: Visualizing the Production of Space with GIS*.

2621. AAG Diversity Ambassadors Networking Reception (Sponsored by Association of American Geographers)

Room: San Diego, Westin, Level 2 (Panel Session)
 ORGANIZER(S): Patricia A. Solis, Association of American Geographers; Astrid Nicole Ng, Association of American Geographers
 CHAIR(S): Nathan J. Sessoms, University of Southern California
 Discussant(s): Patricia J Lopez, University of Washington; Nathan

J. Sessoms, University of Southern California; Yang Yang, University of Colorado at Boulder; Brittany Davis, University of Arizona; Priscilla McCutcheon, University of Connecticut; Edris J. Montalvo, Cameron University; Ivan J. Ramirez, New College of Florida; Darryl T. Cohen, U.S. Census Bureau; Sumanth G. Reddy, Coppin State University; Arvind Aniel Rombawa Bhuta, Clemson University

2624. EJHR Annual Plenary Lecture: Postsecular stirrings? Geographies of hope in amongst neoliberalism (Sponsored by Ethics, Justice, and Human Rights Specialty Group)

Room: Avalon, Westin, Level 3 (Panel Session)
 ORGANIZER(S): Andy Walter, University of West Georgia
 CHAIR(S): Matthew Mitchelson, Kennesaw State University
 Introducer: Andy Walter
 Panelists: Paul Cloke, University of Exeter

2625. The 2013 Antipode Lecture: 'Climate Violence Now'

Room: Emerald Bay, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Sharad Chari; Nik Heynen, University of Georgia
 CHAIR(S): Sharad Chari
 4:40 Christian Parenti, PhD*, School For International Training, *Climate Violence Now*.

2626. Author Meets Critics: Robert J. Sampson's *Great American City: Chicago and the Enduring Neighborhood Effect* (Sponsored by Urban Geography Specialty Group, Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Hollywood Ballroom, Westin, Level 3 (Panel Session)
 Welcoming remarks: Douglas Richardson, AAG Executive Director
 Introduction: James Dunn, McMaster University
 Speaker: Robert J. Sampson, Harvard University
 Panelists: Luc Anselin, Arizona State University
 Michael Dear, University of California, Berkeley
 Mei-Po Kwan, University of Illinois at Urbana-Champaign
 Elvin Wyly, University of British Columbia

For over fifty years numerous public intellectuals and social theorists have insisted that community is dead. Some would have us believe that we act solely as individuals choosing our own fates regardless of our surroundings, while other theories place us at the mercy of global forces beyond our control. These two perspectives dominate contemporary views of society, but by rejecting the importance of place they are both deeply flawed. Based on one of the most ambitious studies in the history of social science, *Great American City* argues that communities still matter because life is decisively shaped by where you live.

To demonstrate the powerfully enduring impact of place, Robert J. Sampson presents here the fruits of over a decade's research in Chicago combined with his own unique personal observations about life in the city, from Cabrini Green to Trump Tower and Millennium Park to the Robert Taylor Homes.

Following in the influential tradition of the Chicago School of urban studies but updated for the twenty-first century, *Great American City* is at once a landmark research project, a commanding argument for a new theory of social life, and the story of an iconic city.

This session will include a book signing with the author.

2627. Health and Social Environments: Mental Health and Substance Use (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica A, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Geography, GIS, and Health
 CHAIR(S): Sue Grady, Michigan State University

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4:40 Abel Santana*, California State University, Long Beach; Christine Jocoy*, California State University - Long Beach, *Main Street Medicine: Applying Field Data Collection and GIS Analytics to Improve Services to the Homeless Population in Long Beach, California.*

5:00 Kate Lester*, University of North Texas, *The Geography of Mental Health and Service Needs in Dallas, Texas.*

5:20 Ruth Kerry*, Brigham Young University; Austin Parker, Brigham Young University, Department of Geography, *Examining the Influence of the LDS faith on Health Geographies of the American West.*

5:40 Dagmar Dzurova*, Faculty of Sciences, Charles University in Prague, Czech Republic; Jana Spilkova, Faculty of Sciences, Charles University in Prague, Czech Republic; Ladislav Kázmér, Faculty of Sciences, Charles University in Prague, Czech Republic; Ladislav Csémy, Faculty of Sciences, Charles University in Prague, Czech Republic, *Relation between the substance misuse and its risk perception.*

Discussant(s): Bethany Deeds, National Institute on Drug Abuse

2628. Landscape Genetics, Ecology, and Epidemiology (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica B, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health
CHAIR(S): Michael Emch, University of North Carolina at Chapel Hill

4:40 Sara Liz Dymond*, Virginia Tech; Korine Kolivras, Ph.D., Virginia Tech; Yili Hong, Ph.D., Virginia Tech; Jie Li, Ph.D., Virginia Tech; Steve Prisley, Ph.D., Virginia Tech; Jim Campbell, Ph.D., Virginia Tech; David Gaines, Ph.D., Virginia Department of Health; Randel Dymond, Ph.D., Virginia Tech, *Lyme Disease in Virginia: An Exploration of Environmental Impact on Disease Spread.*

5:00 Andrew G M Pearson, B.Sc. Ph.D.*, The University of the West Indies, *The changing geography of dengue fever.*

5:20 Laura E Smith, Cornell University; Andrew D Jones, PhD*, Cornell University, *Spatial variation in patterns of child growth across agroecological zones in Kenya.*

5:40 Margaret Carrel*, University of Iowa; Michael Emch, University of North Carolina-Chapel Hill, *Genetics: A New Landscape for Medical Geography.*

6:00 Michael Emch*, University of North Carolina at Chapel Hill; Margaret Carrel, PhD, University of Iowa; Steve Meshnick, MD, PhD, University of North Carolina at Chapel Hill, *Spatio-temporal Patterns of Malaria in the Democratic Republic of Congo: A Landscape Genetics Approach.*

2629. Geographical Perspectives on Environmental Epigenetics: Transforming Ideas of Health and Environment (Sponsored by Cultural and Political Ecology Specialty Group, Health and Medical Geography Specialty Group)

Room: Santa Monica C, Westin, Level 3 (Paper Session)

ORGANIZER(S): Julie Guthman, Univ of California Santa Cruz; Becky Mansfield, The Ohio State University

CHAIR(S): Julie Guthman, Univ of California Santa Cruz

4:40 Julie Guthman*, Univ of California Santa Cruz; Becky Mansfield, Ohio State University, *Geographical Implications of the New Environmental Epigenetics.*

5:00 J. Anthony Stallins*, University of Kentucky, *Bad parenting, personalized bacteria, and intestinal parasites: the biological embeddedness of scale.*

5:20 Christopher D Hartmann*, The Ohio State University; Aaron Goldenberg, Case Western Reserve University; Patricia Marshall, Case Western Reserve University, *Placing responsibility: lay understandings of gene-environment interaction and the causes of health disparities.*

5:40 Becky Mansfield*, The Ohio State University, *Abnormality, Race, and the New Epigenetic Biopolitics of Environmental Health.*

Discussant(s): Jake Kosek

2630. Fluvial Geomorphology III (Sponsored by Geomorphology Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Inci Guneralp, Texas A&M University

CHAIR(S): Inci Guneralp, Texas A&M University

4:40 Michael C Slattery*, Texas Christian University; Maartje M Melchior, Texas Christian University, *The impact of impoundment of sediment transport and channel bar migration on the Brazos River, Texas.*

5:00 Frank Magilligan*, Dartmouth College; Carl Renshaw, Dartmouth College, Dept. of Earth Sciences; John Gartner, Dartmouth College, Dept. of Earth Sciences, *Dams as "Natural" Experiments: Geomorphic Impacts of Flow Regulation and Riparian Dis-Connectivity.*

5:20 Katie H. Costigan*, Kansas State University, Department of Geography; Joshua S. Perkin, Kansas State University, Division on Biology; Melinda D. Daniels, Kansas State University, Department of Geography; Keith B. Gido, Kansas State University, Division on Biology, *Longitudinal variability in hydraulic geometry and substrate characteristics of a Great Plains sand-bed river.*

5:40 Sarah Praskievicz*, University of Oregon, *A Hierarchical Modeling Approach to Simulating the Geomorphic Response of River Systems to Climate Change.*

6:00 Mark A. Fonstad*, University of Oregon, *Fluvial Field Education and the Shift from a Data-Poor to a Data-Rich Science.*

2634. Advances in energy conservation research (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Energy and Environment Specialty Group)

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Tingting Zhao, Florida State University

CHAIR(S): Tingting Zhao, Florida State University

4:40 Braulio A Quintero*, SUNY-ESF, *Puerto Rico's energy consumption patterns and the economic implications in a resource constrained future.*

5:00 Yuyu Zhou*, Pacific Northwest National Laboratory; Leon Clarke, Pacific Northwest National Laboratory; Jiyong Eom, Pacific Northwest National Laboratory; Page Kyle, Pacific Northwest National Laboratory; Pralit Patel, Pacific Northwest National Laboratory, *Climate Change Impact on U.S. Building Energy Use at State Level.*

5:20 Paul Parker, PhD*, University of Waterloo; Christina Hoicka, University of Waterloo; Shane O'Neil, University of Waterloo, *Low Carbon Pathways: Insights to Improve Residential Energy Performance.*

5:40 Gernot Paulus*, School of Geoinformation, Carinthia University of Applied Sciences; Bernhard Kosar, School of Geoinformation, Carinthia University of Applied Sciences; Christoph Erlacher, School of Geoinformation, Carinthia University of Applied Sciences; Karl-Heinrich Anders, School of Geoinformation, Carinthia University of Applied Sciences, *Energy efficient communities - Development of a Web GIS portal for managing local energy data.*

6:00 Tingting Zhao*, Florida State University, *Energy conservation efficacy: Efficiency or curtailment?.*

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2635. Political Activism III: Performance and Communication (Sponsored by Political Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)

Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Peter Wood, Florida State University

CHAIR(S): Peter Wood, Florida State University

4:40 Lucy Jackson, Dr*, University of Sheffield; Gill Valentine, Professor, University of Sheffield, *'Sites' of Protest: The Virtual and Material Spaces of Pro-Life and Pro-Choice Activism in the UK.*

5:00 Virginie Mamadouh*, University of Amsterdam, *Transient Linguistic Landscapes of Activism: Protesting against Austerity Policies in the Eurozone.*

5:20 Marielle Stigum Gleiss*, University of Oslo, Department of Sociology and Human Geography, *Mobilizing for Justice: Media Practices Among Chinese Civil Society Organizations Working with Migrant Workers.*

5:40 Anne Trépanier, Dr*, Carleton University, *Title : 100 Days of Street Performance for the End of Representation: Red Squares in Québec.*

Discussant(s): Peter North, University of Liverpool

2636. Urban utopias and heterotopias: Theorizing, analyzing, and evaluating urban spaces (III)

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Christina Maria West; Thomas Doerfler, University of Goettingen

CHAIR(S): Thomas Doerfler, University of Goettingen

4:40 Hio Tong Castillo*, Temple University, *Actualizing the Right to the City: From Everyday Life to New Possibilities.*

5:00 Akel I Kahera, Ph.D, Clemson University; Bakama Bakamanume, Ph.D.*, Prairie View A&M University, *The Urban Mosque: Trans/national and Global Metaphors.*

5:20 Lacin Tutar*, University of Kentucky, *Music in Place: A Festival in the Neighborhood, A Festival in Mind, A Festival in Discourse.*

5:40 Ulrike Gerhard*, Ruprecht-Karls University of Heidelberg, *The urban is back, isn't it? A critical analysis of the recent discourse on reurbanisation from a cross-country perspective..*

Discussant(s): Thomas Doerfler, University of Goettingen

2637. Climate variability and hydrological processes II: Transformation of glacier-forest-grassland-oasis-desert systems in arid Northwest China (Sponsored by Climate Specialty Group, Water Resources Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Chansheng He, Western Michigan University; Yaning Chen

CHAIR(S): Chansheng He, Western Michigan University

4:40 Weizhen Wu*, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University, Lanzhou, 730000, China; Lanhui Zhang, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University, Lanzhou, 730000, China, *Effects of Meteorological Variables on Runoff in the Heihe River Watershed.*

5:00 Jinlin Li*, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University, Lanzhou, 730000, China;; Chen Zhao, Center for Dryland Water Resources and Watershed Science, Key Laboratory of West china's Environmental System (Minstry of Education) Lanzhou University, Lanzhou, 730000,

China, *Comparing of three geostatistical methods in the upstream of the Heihe River Watershed.*

5:20 Rui Luo*, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (Ministry of Education), Lanzhou University, Lanzhou 730000, China; Chansheng He, Department of Geography, Western Michigan University, Kalamazoo, MI 49008, USA, *Modeling the transport and transformation of mercury in the Lanzhou Reach of Yellow River by coupling a hydrological model with a mercury chemistry model..*

5:40 Chen Zhao*, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (Ministry of Education), Lanzhou University; Li Jinlin, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University; Tian Jie, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University, *Analysis of relationships between spatial variation of soil moisture and environmental factors in the upstream of the Heihe river watershed.*

Discussant(s): Yaning Chen

2638. Modern Quandaries in the European Union II: Economic, Political and Migration Issues (Sponsored by European Specialty Group)

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Lydia M. Pulsipher, University of Tennessee

CHAIR(S): Jessica Adomako, Swarthmore College

4:40 Béla Filep*, University of Bern, *Multicultural Vojvodina as an 'old' and 'new' home in the focus of migration, integration and transnationalism.*

5:00 Jarmo Kortelainen*, University of Eastern Finland, *Power-topologies of transnational governance.*

5:20 Jessica Adomako*, Swarthmore College, *Re-examining the old Trinity of State-Nation-Territory: Deathscapes of North African Immigrants in Western Europe.*

5:40 Jana Spilkova*, Charles University in Prague; Ladislav Csémy, Charles University in Prague, Faculty of Science, *A typology of European countries according to the health risk behavior of the teenagers: Does geography and/or history matter?.*

2639. Cartography Specialty Group 2013 Student Honors Paper Competition (Sponsored by Cartography Specialty Group)

Room: Laguna Parlor 3068, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Robert Roth, UW-Madison

CHAIR(S): Robert Roth, UW-Madison

4:40 Caglar Koylu*, University of South Carolina, *Implementing and Evaluating a Web-based Interactive Flow Mapping Application.*

5:00 Daniel Lusher*, San Diego State University, *IP Addresses: Spatial Accuracy and Optimal Visualization of the Data.*

5:20 Carl Sack*, University of Wisconsin-Madison, *Designing Map Democracy: The Creation of the Bad River Watershed Wikimap.*

5:40 Travis White*, University of Kansas, *Quantifying Conventional Map User Literacy.*

2640. Transforming local sociotechnical systems for a convenient everyday life - environmental solutions today and tomorrow II

Room: Malibu Parlor 3018, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Kajsa Ellegård, Linköping University, Technology and social change; Jenny Palm, Linköping

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CHAIR(S): Jenny Palm, Linköping University

4:40 Kajsa Ellegård*, Linköping University, Technology and social change, *As time goes by - a time-geographic approach to understand the transformation of socio-technical systems.*

5:00 Karin Perman*, Dalarna university; Gun Hedlund, Örebro University, *Gender, ethnicity and daily life. Gendered governance and energy efficiency project in a Swedish public housing area.*

5:20 Katharina Reindl*, Katharina Reindl, *Stated energy behavior in Swedish public housing - a collaboration for reduced energy use.*

5:40 Sinnott Murphy*, University of California, Los Angeles (UCLA), *Methodologies to Establish Regional Energy Baselines.*

2641. Re-territorialization of land and space in China: Historical and Contemporary Perspectives and Implications (Sponsored by China Specialty Group, Symposium on New Geographies of Urban China)

Room: Malibu Parlor 3038, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Andrew Grant, University of California, Los Angeles (UCLA); Kan Liu, University of California, Los Angeles (UCLA)

CHAIR(S): Andrew Grant, University of California, Los Angeles (UCLA)

4:40 Kan Liu*, University of California, Los Angeles (UCLA), *Restructuring the Chinese Countryside: The Impact of Large-Scale Rural Land Transfer in Contemporary China.*

5:00 Andrew Grant, MA*, University of California, Los Angeles (UCLA), *Possible Continuities in the Structuring of Space in China's Inner Asian Frontier.*

5:20 Devon Dear*, Harvard University, *Pastoral factories: Hired labor on the Chinese-Mongolian frontier, 1860 - 1911.*

5:40 Yiguan Ma*, The University of Hong Kong; Rebecca Chiu, Professor, The University of Hong Kong, *Understanding Governance in the Process of Urbanization of China: Rural land development schemes from the central to the local governments.*

6:00 Stephen Ford*, Harvard University, *Qualitative Data, Quantitative Methods - GIS and Spatial Statistics in the Study of Imperial Chinese History.*

2642. Migrant Civil Society: Shaping Economic Integration, Citizenship and Community (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Malibu Parlor 3058, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Pascale Joassart-Marcelli, San Diego State University

CHAIR(S): Nina Martin, University of North Carolina at Chapel Hill

4:40 Ahmed Allahwala, PhD*, University of Toronto, *The Role of Migrant Civil Society in Toronto's Entrepreneurial City-Regionalism.*

4:55 Hannah White, Dr*, *Migrant civil society and the state - the UK context.*

5:10 Rebecca P F Folly*, University of St Andrews, *Should employment in the mainstream economy be an objective of immigrant non-profits?.*

5:25 James DeFilippis*, Rutgers University, *On Building Bridges Between Immigrant Worker Centers and Community Development Credit Unions.*

5:40 Luisa Veronis*, University of Ottawa; Luisa Veronis, PhD, University of Ottawa, *The nonprofit sector as a space of citizenship formation for immigrants in Canada.*

Discussant(s): Pascale Joassart-Marcelli, San Diego State University; Nina Martin, University of North Carolina at Chapel Hill

2643. Emerging Southeast Asia: New Cities, Networks, and Urban Spaces (Sponsored by Asian Geography Specialty Group, Global Urbanization)

Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)

ORGANIZER(S): John Bowen, Central Washington University

CHAIR(S): John Bowen, Central Washington University

4:40 Chung-Tong Wu, Professor Emeritus*, University of Western Sydney, *Myanmar: Urban Development Issues and Prospects.*

5:00 Elena Givental*, Berkeley City College, *Informality as a Norm: Grey Economy Paradox in Ho Chi Minh City.*

5:20 Matthew Wade*, UC Berkely, *Private Industrial City-Estates in Greater Jakarta.*

5:40 Yves Boquet*, Université De Bourgogne, *Spaces of Transit Intermodality in Manila, Philippines.*

6:00 John Bowen*, Central Washington University, *Now Everyone Can Fly? Scheduled Airline Services to Small and Remote Southeast Asian Cities.*

2644. Urban Ecosystems: Linking Biogeography and Biogeochemistry (Session II) (Sponsored by Latin America Specialty Group, Biogeography Specialty Group)

Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Emily E. Atkinson, University of Wisconsin - Madison; Alexandra Ponette-González, University of North Texas

CHAIR(S): Emily E. Atkinson, University of Wisconsin - Madison

4:40 Emily E. Atkinson*, University of Wisconsin-Madison; Erika Marin-Spiotta*, University of Wisconsin-Madison, *Linking Above- and Belowground Dynamics in Tropical Urban Forests.*

5:00 Daniela F Cusack, PhD, University of California, Los Angeles (UCLA) Geography; Taylor L Mcleery*, University of California, Los Angeles (UCLA), *Patterns in Soil Chemistry and Exotic Plant Distributions Along an Urban-Rural Tropical Forest Gradient.*

5:20 Kirsten Schwarz, PhD*, Northern Kentucky University; Mary L. Cadenasso, PhD, University of California, Davis, *Understanding potential tradeoffs between soil lead concentrations and urban gardening in Sacramento, CA.*

5:40 Alexandra G Ponette-González, Ph.D.*, University of North Texas; Patricia Alexandre de Souza, Universidade Federal Fluminense; Kathleen C Weathers, Ph.D., Cary Institute of Ecosystem Studies; William de Mello Zamboni, Ph.D., Universidade Federal Fluminense, *The Atmospheric Deposition Footprint of Latin American Cities.*

2645. Uncertainty and Sensitivity Analysis in Spatial Modeling (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Piotr Jankowski, San Diego State University; Arika Ligmann-Zielinska, Michigan State University

CHAIR(S): Piotr Jankowski, San Diego State University

4:40 Piotr Jankowski, Prof.*, San Diego State University; Arika Ligmann-Zielinska, Asst. Prof., Michigan State University, *Spatially-Explicit Uncertainty and Sensitivity Analysis of Criteria Weights in Land Suitability Evaluation.*

5:00 Bakhtiar Feizizadeh, PhD student*, Center of Remote sensing and GIS, university of Tabriz, Department of Geoinformatics, University of Salzburg; Piotr Jankowski, Professor of Geography, Department of Geography, San Diego State University; Thomas Blaschke, Professor in Geoinformatics, Department of Geoinformatics, University of Salzburg, *Spatial Uncertainty and Sensitivity Analysis for GIS-*

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Multicriteria based landslide Susceptibility mapping: Comparing Spatially-Explicit and Dempster-Shafer Theory methods for the Urmia lake basin, Iran.

- 5:20** Glenn O'Neil*, Michigan State University; Arika Ligmann-Zielinska, PhD, Michigan State University, *Using Regression-Based Sensitivity Analysis in Exploratory Modeling of Complex Spatial Systems: An Example of Simulating the Impact of Agricultural Water Withdrawals on Fish Habitat.*

- 5:40** Akikazu Onda*, Dartmouth College; Xun Shi, Dartmouth College, *Resolving Spatial Uncertainties of Aggregate Attribute Data Through Restricted and Controlled Monte Carlo (RCMC) Process.*

Discussant(s): Xun Shi, Dartmouth College

2646. Computational and Statistical Methods for Spatiotemporal Data Analytics (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Guofeng Cao, University of California, Santa Barbara; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR(S): Guofeng Cao, University of California, Santa Barbara

- 4:40** Guofeng Cao*, University of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign, *A Statistical Framework for Spatiotemporal Dynamics Modeling.*

- 5:00** Hui Xu*, University of Michigan; Amy Burnicki, University of Michigan; Daniel G Brown, University of Michigan, *Geostatistical simulation of multi-categorical land-cover changes.*

- 5:20** Colin Robertson*, Wilfrid Laurier University; Jed Long, University of Victoria, *GIS-based space-time modelling of infectious disease spread.*

- 5:40** David Hill*, Thompson Rivers University, *Ubiquitous Sensing for Real-Time Spatial Rainfall Estimation.*

- 6:00** Marie Urban*, Oak Ridge National Laboratory; Robert Stewart, Oak Ridge National Laboratory; Devin White, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Budhendra Bhaduri, Oak Ridge National Laboratory, *Developing Uncertainty in Population Density Data.*

2647. Research in Geographic Education (Sponsored by Geography Education Specialty Group)

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Gillian Acheson, Southern Illinois University Edwardsville

CHAIR(S): Gillian Acheson, Southern Illinois University Edwardsville

- 4:40** Robert S Bednarz*, Texas A&M University, *Assessing Spatial Thinking Skills; An invitation to STAT.*

- 5:00** Ellen J. Foster, Ph.D.*, University of Mississippi, *Geography in the Common Core, or Where do We Go from Here?.*

- 5:20** Injeong Jo*, Texas State University, *Spatial Concepts Test: An Instrument to Diagnose University Students' Understanding of Spatial Concepts.*

- 5:40** Gillian Acheson*, Southern Illinois University Edwardsville, *Elementary Teacher Preparation in Geography: An Illinois Case Study.*

Discussant(s): Sarah Bednarz, Texas A&M University

2650. Youth, the Borderlands, and the Spaces in Between V: Growing Up with Gender (Sponsored by Sexuality and Space Specialty Group, Indigenous Peoples Specialty Group)

Room: Angeleno, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Denise Dixon Goerisch, San Diego State University; Blake Hawkins, University of Northern

British Columbia

- CHAIR(S): Denise Dixon Goerisch, San Diego State University
4:40 Blake Hawkins*, University of Northern British Columbia, *Ideals of Masculinity Constructed Through Space and Place: A Case-Study of Kitimat B.C..*

- 5:00** Juan R Portillo, PhD Student, Sociology, UT Austin*, The University of Texas at Austin, Sociology, *Chicana Students' Identity Formation and Body Regulation at The University of Texas at Austin.*

- 5:20** Patricia Kewer*, University of Maryland, *Social Spaces Enabling Girls' Education in India: An Outsider's Study.*

- 5:40** Denise Dixon Goerisch*, San Diego State University, *'It's called Girl Scouts, not like Woman Scouts': The Liminal Spaces of the Girl Scout Cookie Sale.*

Discussant(s): Tracey Skelton, National University of Singapore

2651. "Rising to the challenge: defining the contours of a new 21st century critical urban theory"; Session 3 - Against the grain of CUT: counter-hegemonic case studies and challenging assessments (Sponsored by Global Urbanization)

Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Chris Baker, University of Chester UK; Justin Beaumont, University of Groningen

CHAIR(S): Justin Beaumont, University of Groningen

- 4:40** Caroline Devany*, Macalester College, *Community-Based Non-Profit Spatial Tactics: Examining a Production of Space Within and Against the State.*

- 5:00** David K Seitz, PhD Candidate*, University of Toronto, *Queer Like Who?: Queer Theory, Subjectless Critique, and Neoliberal Urban Governance.*

- 5:20** Daniel Steinberg, PhD Candidate*, Columbia University, *Labor-Community Coalitions and the New Accountable Development Movement.*

- 5:40** Michelle Buckley*, University of Toronto Scarborough, *Urbanization from below? Migration, construction, and theories of city-building.*

- 6:00** Felipe N.C. Magalhaes*, Universidade Federal de Minas Gerais; Roberto Luis Monte-Mór, Universidade Federal de Minas Gerais, *Modernizations of the Native and Indigenizations of Modernity in Peripheral Countries: global urbanization and subaltern/native peoples.*

2652. Biodiversity Conservation and Compatibility with Agricultural Intensification-II: Advances of the Social-Ecological Sciences for Sustainability and Food Security (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Grand Ballroom Salon 1, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Karl Zimmerer, Pennsylvania State University; B. L. Turner II, Arizona State University

CHAIR(S): B. L. Turner II, Arizona State University

Introducer: Karl Zimmerer

Discussant(s): Kendra McSweeney, The Ohio State University

Panelists: Amy Lerner, Rutgers University; B. L. Turner II, Arizona State University

2653. Animal Geography: The Next 15 Years (Sponsored by Animal Geography Specialty Group)

Room: Grand Ballroom Salon 2, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Julie Urbanik, UMKC; Connie Johnston, Clark University

CHAIR(S): Julie Urbanik, UMKC

Introducer: Julie Urbanik

Panelists: Heidi J. Nast, DePaul University; David Lulka; Jamie Lorimer, Kings College London; Harvey Neo, National University of Singapore

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- 2654. Moving to Berlin 4: Housing and Neighbourhood Change (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)**
Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Sandra Jasper, Julia Binder, Humboldt-Universität zu Berlin
CHAIR(S): Samuel Merrill, University College London
4:40 Clara Oberle, PhD*, University of San Diego, *Moving to Berlin/ Moving in Berlin: The City as Housing Laboratory, 1945-1948.*
5:00 Alex Vasudevan, Dr.*, School of Geography, University of Nottingham, *The Experimental City? Alternative Urbanisms and Neo-Liberal Renewal in Berlin.*
5:20 Lucrezia Lennert*, UCL, *Nomadic War Machines in the City: Deleuze and the Struggle for Collective Housing in Berlin.*
5:40 Daniel Förste*, Leibniz Institute for Regional Development and Structural Planning (IRS), *Look beyond the surface - New social divisions in Berlin.*
Discussant(s): Deike Peters, USC
- 2655. Anderson Distinguished Lecture in Applied Geography (Sponsored by Applied Geography Specialty Group)**
Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Panel Session)
ORGANIZER(S): Michael N. DeMers, New Mexico State University
CHAIR(S): Michael N. DeMers, New Mexico State University
Introducer: Jerome E. Dobson
Panelists: Lee R. Schwartz, U.S. Department of State
- 2656. (Re)Imagining Borders in an Era of Migration and Deportation III: Refugees and the stateless (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Borders)**
Room: Highland, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Kate Coddington, Syracuse University; Jill Williams, Clark University
CHAIR(S): Kate Coddington, Syracuse University
4:40 Elizabeth G Kennedy*, San Diego State University and UC-Santa Barbara, *No Refuge: The Failure of Regional Instruments for Central American and Mexican Asylum Seekers in the United States.*
5:00 Ei Phyu Han*, York University, *Navigating 'home': Bordering practices and power negotiations at the camp and in resettlement.*
5:20 Cynthia Sorousha Gorman*, Rutgers University, *Asylum Law, Gender and the Problem of Scale.*
5:40 Julie E. E. Young*, York University, *"Seeing like a border city": The politics of refuge and resistance in Detroit-Windsor.*
- 2657. Drugs, Deserts, Oceans, Wars: Researching Illegality and Legibility IV**
Room: Hollywood, The LA Hotel, Level 2 (Panel Session)
ORGANIZER(S): Jeffrey Banister, University of Arizona
CHAIR(S): Jeffrey Banister, University of Arizona
Panelists: Dominic Corva, University of Washington; Sapana Doshi, University of Arizona, Tucson; Cynthia Sorrensen, Texas Tech University; Vanessa Massaro, Penn State University; Jeremy Slack, University of Arizona; Jeffrey Banister, University of Arizona; Jonathan Taylor, California State University, Fullerton; Michael Polson, CUNY Graduate Center
- 2658. Geographies of Agri-Food Systems IV (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Melrose, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Jenny E Goldstein, University of California, Los Angeles (UCLA)
- CHAIR(S):** Chelsea Leiper
4:40 Eric Sarmiento*, Rutgers University, *Revolutionary food, resurgent fossil fuels, and 'the Whole Foods effect' in Oklahoma City.*
5:00 Greig Guthey, Ph.D.*, California State University San Marcos, *People, place, and power: some considerations about "farming" a suburban campus.*
5:20 Chelsea Leiper, M.A. Candidate*, University of Delaware, *Co-creating an Alternative: The Moral Economy of Producer and Consumer Motivations for Participating in Farmers' Markets in Delaware.*
- 2659. Extractive Industries: Development and Governance, Part II: Science, Politics, and Resource Governance Policy (Sponsored by Energy and Environment Specialty Group, Development Geographies Specialty Group)**
Room: Olvera, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Caitlin A McElroy, Oxford University
CHAIR(S): Caitlin A McElroy, Oxford University
4:40 Sarah McGill*, Oxford University, *Peak Phosphorus Debates and the Geopolitics of Natural Resource Scarcity.*
5:00 Irem Kok*, University of Oxford, Department of Geography and the Environment, *Opening the Pandora's Box: Corporate Transparency and Science in the Marcellus Shale Development.*
5:20 Yasminah Beebeejaun, PhD*, Lecturer in Spatial Planning, *Exploring knowledge production in the 'Dash for Gas': reconciling expert and lay perspectives.*
5:40 John G Hintz*, Bloomsburg University of Pennsylvania, *Being Pragmatic about American Gas: Energy Security, Unconventional Fuels, and Environmental Politics.*
6:00 Derrick Hindery, Ph.D.*, University of Oregon (International Studies and Geography), *Bait and Switch: Geographic Games with Liquefied Natural Gas.*
- 2660. Cultural values mapping using participatory GIS: Methods, maps, and meanings Part 3**
Room: Olympic, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Rebecca McLain, Institute for Culture and Ecology; David Banis, Portland State University
CHAIR(S): Jeb Stevens
4:40 Mark Butman*, Courage Services, Inc., *Methodological Challenges to Mapping Human Cultural Groups in the Developing World.*
5:00 Janna Caspersen, M.A.*, East Carolina University - Geography Department; Tracy Van Holt, PhD, East Carolina University - Geography Department; Jeffrey Johnson, PhD, East Carolina University; Anthony France, B.S., East Carolina University - Geography Department, *Assessing Similarity & Agreement in Participatory Mapping of Sudanese Ethnic Groups using Subject-Matter-Experts Perceptions.*
5:20 David Banis*, Portland State University, *Claiming experiential territory: Participatory mapping and concepts of place.*
5:40 Laura DeVito, MA*, Pacific Northwest College of Art, *Instilling a Sense of Place through an Illustrated Mapping Book.*
6:00 Jeb Stevens*, Southern Connecticut State University, *Perceptions of Naturalness and the Experience of Nature in Coastal Maine.*
- 2661. Making Market Rule(s): Micro practices to macro-movements 4 (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**
Room: Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Joshua Akers, University of Toronto; Christopher Muellerleile, University of Wisconsin-

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CHAIR(S): Joshua Akers, University of Toronto

4:40 Constance Carr*, University of Luxembourg; Robert Krueger, Worcester Polytechnic Institute/University of Luxembourg; David Gibbs, University of Hull, *Market Rulers: Interpretive institutionalism and market-based sustainability.*

5:00 Dan Cohen*, University of British Columbia, *Mayors and markets: The shaping of urban education systems.*

5:20 Joshua M Akers*, University of Toronto, *The City as Market: Market-based service provision in Detroit.*

5:40 Chris Muellerleile*, University of Wisconsin-Madison, *Commodities, Futures and Securities: Fuzzy concepts and the local politics of financial market regulation.*

Discussant(s): Kevin Ward, University of Manchester

2662. Rail Landscapes III: Rail Transportation in China (Sponsored by Symposium on New Geographies of Urban China, Transportation Geography Specialty Group)

Room: Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Michael Minn, University of Illinois

CHAIR(S): Michael Minn, University of Illinois

4:40 Jingqiu Zhang*, Mao-cheng Zhen; Xing Meng; Hai-Yong Zhu, *Exploring the Implications of Urban Railway Transport on Residents' Travel-To-Work Behavior: Case Studies of Beijing Urban Area.*

5:00 Liou Xie*, State University of New York at Plattsburgh, *The Impacts of Mass Rapid Transit Development on the Real Estate Market in Beijing.*

5:20 Xiaoning Li*, Peking University, *Measuring accessibility of the poor to hospitals via driving and public transit in Beijing, China.*

5:40 Linna Li*, The University of Hong Kong; Becky P.Y. Loo, Ph.D., The University of Hong Kong, *Integration of Railways and Other Transport Modes in China: a Case Study of Shanghai Hongqiao Transport Hub.*

6:00 Feng Zhen*, Nanjing University, *Technology Progress, industrial transformation and Regional Development in Yangtze River Delta Region.*

2663. Take Back the Economy V: A Pedagogy for Activist Geography (Sponsored by Socialist and Critical Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Economic Geography Specialty Group)

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Stephen Healy, Worcester State University;

Katherine Gibson, University of Western Sydney

CHAIR(S): Stephen Healy, Worcester State University

Panelists: Elizabeth Barron, Harvard University; Gilda Haas, Strategic Actions for a Just Economy; Amanda Fickey, University of Kentucky; Joe Painter, University of Durham; Lesley Head, University Of Wollongong

2664. Urban Political Ecology Redux IV (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Pico, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Jennifer Rice, The University of Georgia; Nik Heynen, University of Georgia

CHAIR(S): Nik Heynen, University of Georgia

4:40 Yaffa Truelove, PhD Candidate*, University of Cambridge, *Tracing Delhi's (in)formal waters: everyday practice, micropolitics and the production of inequality in urban settlements.*

5:00 Ryan Holifield*, University of Wisconsin ? Milwaukee; Nicholas Schuelke*, University of Wisconsin-Milwaukee, *Urban political ecology versus urban (apolitical) ecology: Exploring the transformation of Milwaukee's Kinnickinnic River.*

5:20 Anne-Marie Debbane*, San Diego State University; Jessica R Simms*, San Diego State University, *"Make*

Wetlands not War!": Techno-natural Fixes and the Crisis of Sustainability in Post-Katrina, New Orleans.

5:40 Trevor Birkenholtz*, Rutgers University, *Supply-side urbanization: metabolizing agrarian water for GDP growth..*

Discussant(s): Matthew Gandy, University College London

2670. Land Use Adaptation To Climate Change (Sponsored by Climate Change, Variability, Adaptation and Justice)

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Erika Trigoso Rubio

4:40 Joshua M Rudow, M.A. *, University of Texas-Austin Department of Geography, *Agricultural Adaptations to Climate Change in Central Texas.*

5:00 Paul O'Keefe*, West Virginia University, *Climate change adaptation, development, livelihoods and land use practices in Kilimanjaro Region, Tanzania.*

5:20 Camilla Risvoll Godoe, PhD Candidate*, University of Nordland, Norway, *Land Use Conflict in a Climate Change Perspective: Reindeer herding in Nordland, Northern Norway.*

5:40 Erika N Trigoso Rubio, PhD*, University of Denver, *Climate Change Adaptation Strategies in the High Andean Plateau.*

6:00 Elizabeth Wentz*, Arizona State University; Chao Fan, Arizona State University, *Small area urban environmental indicators of energy-water dynamics in a desert city.*

2671. Hurricanes II: Paleotempestology, disasters, and resilience (Sponsored by Paleoenvironmental Change Specialty Group, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group)

Room: Bernard's, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Kam-Biu Liu, Louisiana State University

CHAIR(S): Lawrence Kiage, Georgia State University

4:40 Lawrence Kiage, PhD*, Georgia State University, *A Paleotempestology Record from Jekyll Island, Georgia.*

5:00 Kam-Biu Liu, Professor*, Louisiana State University; Terrence A McCloskey, Dr., Louisiana State University; Chunmei Ma, Visiting Professor, Louisiana State University; Devyani Kar, Dr., State of Louisiana Coastal Protection and Restoration Agency, *A 7500-year Sedimentary Record of Paleohurricane Activity and Environmental Change from Northern Nicaragua.*

5:20 Peter H Yaukey, Ph.D. *, University of New Orleans, *Old Ornithological Records as a Source of Tropical Cyclone Information.*

5:40 Cheng-Yao Hung*, National Taiwan Normal University Department of Geography; Hsueh-Mei Lin, National Taiwan Normal University Department of Geography, *The Study of Regional Disaster System for Hai-Duan Township (Taitung, Taiwan).*

6:00 Chi Li*, LSU Department of Environmental Sciences; Nina Lam, LSU Department of Environmental Sciences; Lilly Mata, LSU Department of Environmental Sciences; Margaret Reams, LSU Department of Environmental Sciences, *Coastal Community Resilience in Louisiana, 1995-2010.*

2672. Sustainable Development, Pollution, and Environmental Ethics

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Michael Patterson

4:40 Elena-Marilena Porumb*, Babes-Bolyai University; Bianca Costin, Babes-Bolyai University, *Best Practices in Sustainable Development Strategy - case study Romania.*

5:00 Anna Berlin, PhD*, Global Institute of Sustainability;

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Michael Kuby, PhD, Global Institute of Sustainability; Samantha L. Neufeld, PhD, Global Institute of Sustainability; Oliver George; Scott Kelley, Global Institute of Sustainability; Alex Castelazo, Global Institute of Sustainability; Michael Dalrymple, Global Institute of Sustainability; Elizabeth Mack, PhD, Global Institute of Sustainability, *What businesses choose energy upgrades? The characteristics that predict participation in the Energize Phoenix Project.*

- 5:20** Sara Edge, PhD*, Department of Environment & Resource Studies, University of Waterloo; John Eyles, PhD, School of Geography & Earth Sciences, McMaster University, *Contested Governmentalities of Chemical Management: NGO Stakeholder Enrolment, Subjectivity & Influence within a Neo-liberal Risk Governance Agenda.*

- 5:40** Michael Patterson*, The Florida State University, *The Necessity of Environmental Ethics in Conservation Biology.*

- 2673. The World In 2050: Four Forces Shaping Our Northern Future (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group, Cryosphere Specialty Group)**

Room: Corinthian, Biltmore, Mezzanine Level (Panel Session)
 ORGANIZER(S): Joshua Newell, University of Michigan
 CHAIR(S): Joshua Newell, University of Michigan
 Introducer: Joshua Newell
 Panelists: Laurence C. Smith, University of California - Los Angeles

- 2674. Religion: The Geography of Sacred Places, People, and Death**

Room: Corsican, Biltmore, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Masha Halevi, UW
4:40 Christopher Chua*, University of California, Berkeley, *Imperialism and Religious Geography: San Francisco's Chinese Presbyterian Church in the Late 19th Century.*
5:00 Lillian I Larsen*, University of Redlands, *Paul's Emissaries: Re-presenting the Lives and 'Acts' of Early Christian Women.*
5:20 Cadi Fung*, Michigan State University, *Buddhist Attitudes Toward Animals: A Case Study of Metta Forest Buddhist Monastery.*
5:40 Ilung Seo*, Chonnam National University; Kyonghwan Park, Chonnam National University, *Institutional intervention of modern nation-state on deathscape: historical transitions in necrogeographies of South Korea.*
6:00 Masha Halevi, Dr.*, The Hebrew University of Jerusalem, *Re-Creating a Sacred Space: The Modern Holy Catholic Sanctuaries in the Holy Land.*

- 2675. Rumors, Unrest, Independence, and Separation: Politics in a Digital Age**

Room: Florentine, Biltmore, Mezzanine Level (Paper Session)
 This session is a continuation of the previous timeslot, 2272.

- 2676. Spatial Analysis, Interaction, and Clusters**

Room: Grecian, Biltmore, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Monghyeon Lee
4:40 Ran Tao*, University of North Carolina at Charlotte; Jean-Claude Thill, University of North Carolina at Charlotte, *A New Method to Detect Spatial Clustering of Flow Data.*
5:00 Sanwei He*, Department of Geography and Resource Management, The Chinese Univ of HK; Hui Lin, Institute of Space and Earth Information Science, The Chinese Univ of HK, *A new methodology to explore*

spatial clustering of economic inequality: a case study of Guangdong Province from 1990 to 2010.

- 5:20** Thomas Niedomysl*, *Are non-contiguous administrative areas a feasible solution to the spatial delineation problem in the definition of internal migration?.*

- 5:40** Monghyeon Lee*, *Multivariate Spatial Cluster Analysis Using Mahalanobis Distance.*

- 6:00** Marc Rustige, Frankfurt School of Finance & Management; Michael H. Grote*, Frankfurt School of Finance & Management, *Differences between takeover premiums across countries - Does Investor Protection matter?.*

- 2677. Land Systems Science Symposium: Case Studies - Asia (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: Heinsbergen, Biltmore, Lobby Level (Paper Session)

- ORGANIZER(S): Richard Aspinall
 CHAIR(S): Darla Munroe, Ohio State University
4:40 Darla Munroe*, Ohio State University, *Interdependent forest transition pathways: variation in household-level tree planting in Yunnan, China.*
5:00 Stephen S. Young*, Salem State University, *A scalable approach to mapping annual forest cover at 250 m using MODIS data and the Random Forest classifier: A case study of China..*
5:20 Oh Seok Kim*, University of Southern California, *A 'Quick-and-dirty' Method to Set Reference Emission Levels for Forests.*
5:40 Kumkum Bhattacharyya*, University of Central Arkansas, *Inhabitation and Utilization of Damodar Riverbed and Sandbars.*
6:00 Gargi Chaudhuri*, University of Wisconsin La Crosse, *Analyzing land use and land cover change patterns in the Ganges delta region of India.*

- 2678. Using network analysis to capture spatial structures and dynamics - session supported by the European Research group S4: Spatial Simulations for Social Sciences**

Room: Mediterranean, Biltmore, Mezzanine Level (Paper Session)
 ORGANIZER(S): Celine Rozenblat, Universite De Lausanne; Zachary Neal, Michigan State University
 CHAIR(S): Celine Rozenblat, Universite De Lausanne
4:40 Zachary Neal, PhD*, Michigan State University, *Degree distributions of the US air traffic network: multiple scales, multiple actors, multiple seasons.*
5:00 Nina OBrien*, University of Southern California, *Effects of Economic Policy on Project-based Networks: Communication, Collaboration and Change in the American Film and Television Industry, 1997-2011.*
5:20 Jean-Philippe Cointet, INRA-SenS (INRA, France), IFRIS, ISCIPIF; Julie Fen-Chong*, UMR Géographie-cités (CNRS, Université Paris 1, France), UMR ThéMA (CNRS, Université de Franche Comté); Camille Roth, Centre Marc Bloch (CNRS/Humboldt Universität/MAEE, Germany), ISCIPIF, *The 'Villages' of Paris -- Revealing the Organization of Geographical Areas by Aggregating Preferential Human Movements.*
5:40 Priyasmita Roy*, Faculty of Geo-Information Science and Earth Observation, University of Twente; Gianluca Miscione, Dr, UCD School of Business University College Dublin; Javier Alberto Martinez, Dr, Faculty of Geo-Information Science and Earth Observation, University of Twente; Mark Zuidgeest, Dr, Faculty of Geo-Information Science and Earth Observation, University of Twente; Martin van Maarseveen, Dr, Faculty of Geo-Information Science and Earth Observation, University of Twente, *Exploring the effects of distance traveled on tie-strength.*
6:00 Romulo Krafta, Prof.*, Federal University of Rio Grande

WEDNESDAY, APRIL 10 • 4:40 PM - 6:20 PM • 2600

do Sul, *Urban Spatial Hierarchy: Centrality, Weighted Networks, Symbolic Order*.

**2679. (In)visible Borders and Territoriality in Cities of the South
(Sponsored by Global Urbanization, Borders)**

Room: *Moroccan, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Gabriela Sauter, University of Toronto
 CHAIR(S): Gabriela Sauter, University of Toronto
 Discussant(s): Nathan Marom, UC Berkeley

7:45 PM - 9:45 PM**AAG INTERNATIONAL RECEPTION**

Wednesday, April 10, 7:45 p.m. - 9:45 p.m.

Room: *San Jose, Westin, Level 2*

This reception is an opportunity to see old friends and meet colleagues at the outset of the AAG Annual Meeting. Free drink ticket provided in your registration packet.

6:45 PM - 8:00 PM • 2700

2722. Jared Diamond and Charles Mann to Discuss Their New Books at AAG Annual Meeting

Wednesday, April 10, 6:45 p.m. - 8:00 p.m.

Room: *San Francisco, Westin, Level 2* (Plenary Session)

Welcoming remarks: **Eric Sheppard**, AAG President, University of California, Los Angeles

Moderator: **Kent Mathewson**, Louisiana State University

Jared Diamond and Charles Mann will speak on their most recent books in a special session at the AAG Annual Meeting in Los Angeles at 6:45 p.m. on Wednesday, April 10, 2013. This session is hosted by the AAG and its new publication, *The AAG Review of Books*.

In his latest book, *The World Until Yesterday: What Can We Learn From Traditional Societies?*, **Jared Diamond** examines how traditional societies have lived, and asks if their different approaches to living can inform the Western world today.

Charles Mann provided a new understanding of life in the Americas before Columbus arrived in his book *1491: New Revelations of the Americas before Columbus*. In his new book, *1492: Uncovering the New World Columbus Created*, Mann follows up on the post-Colombian Americas and shows how European settlements there shaped the world through a network of ecological and economic exchange.

Over the past two decades, these two writers have reached out to put cultural and historical geography's perennial questions and current salience before a mass readership and media public. In addition to discussing their most recent books, Diamond and Mann will also address the challenges and rewards of weaving multiple strands of disparate findings and data from geography's historical and human-environmental sectors to produce "big picture" projections while at the same time presenting a fascinating array of specific cases.

Their interests intersect in multiple ways, but as their recent work demonstrates, they have been signally effective in focusing attention on the nature of indigenous and traditional societies and their confrontations and accommodations with a modernizing world over the past five or so centuries.

Both authors will be available to answer audience questions and sign books following their presentations.

8:00 PM - 9:00 PM • 2800

2802. Film Screening: Gifts from the Elders

Room: *Beaudry B, Westin, Lobby Level* (Special Event Session)
 ORGANIZER(S): Chantelle Richmond, The University of Western Ontario

CHAIR(S): Chantelle Richmond, The University of Western Ontario

2806. Biogeography Specialty Group Business Meeting

Room: *Los Feliz, Westin, Lobby Level*

2808. Canadian Studies Specialty Group Business Meeting

Room: *San Bernardino, Westin, Lobby Level*

2809. Latin America Specialty Group Business Meeting

Room: *San Fernando, Westin, Lobby Level*

2810. Climate Specialty Group Business Meeting

Room: *San Gabriel A, Westin, Lobby Level*

2811. Rural Geography Specialty Group Business Meeting

Room: *San Gabriel B, Westin, Lobby Level*

2812. Business Geography Specialty Group Business Meeting

Room: *San Gabriel C, Westin, Lobby Level*

2817. Spatial Analysis and Modeling Specialty Group Business Meeting

Room: *Santa Barbara A, Westin, Lobby Level*

2827. Bible Geography Specialty Group Business Meeting

Room: *Santa Monica A, Westin, Level 3*

2850. Study of the American South Specialty Group Business Meeting

Room: *Angeleno, The LA Hotel, Level 2*

2851. Transportation Geography Specialty Group Business Meeting

Room: *Bunker Hill, The LA Hotel, Level 2*

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

For special events, please see the Special Events & Meetings Summary on p. 42-44.

THURSDAY, APRIL 11 • 8:00 AM - 9:40 AM • 3100**8:00 a.m. - 9:40 a.m.**

- 3101. Climate change and food security in East and Southern Africa: Current challenges in basic and applied research (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Africa Specialty Group, Climate Change, Variability, Adaptation and Justice)**

Room: Beaudry A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Jennifer M Olson, Michigan State University
CHAIR(S): Jennifer M Olson, Michigan State University

8:00 Chris Funk*, US Geological Survey and University of California Geography; Martin Hoerling, NOAA; Pete Robertson, NASA; Brant Liebmann, NOAA; Brent Roberts, NASA; Shrad Shukla, UCSB; Andrew Hoell, UCSB; James Verdin, USGS, *Dynamic/statistical downscaling of CMIP5 simulations to support climate adaptation in Africa.*

8:20 Nathan Moore*, Michigan State Univ; Jeffrey Andresen, Michigan State University; Gopal Alagarwamy, Michigan State University; Jennifer Olson, Michigan State University, *Variations in downscaled projections for East African climate to 2050.*

8:40 Gopalsamy Alagarwamy*, Michigan State University; Jeff Andresen, Associate Professor, Michigan State University; Jennifer Olson, Associate Professor, Michigan State University; Philip K Thornton, International Live Stock Research Institute (ILRI); Nathan Moore, Assistant Professor, Michigan State University, *Climate Change Impacts on Maize Production in East Africa.*

9:00 Laura Harrison*, Geography Department University of California, Santa Barbara; Joel Michaelsen, Geography Department University of California, Santa Barbara; Chris Funk, Geography Department University of California, Santa Barbara and U.S. Geological Survey; Greg Husak, Geography Department University of California, Santa Barbara, *Identifying food security hotspots by intersecting climate and vegetation trends with livelihoods.*

9:20 Jennifer M Olson*, Michigan State University, *Farmers Adapt to Climate Change While Policy Makers and Scientists Attempt to Communicate.*

- 3102. Economic Geography V - Evolutionary Transition, and Practices of Knowledge Creation and Support (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)**

Room: Beaudry B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Dieter F. Kogler, University College Dublin; David Rigby, University of California, Los Angeles (UCLA)

CHAIR(S): Maryann Feldman

8:00 Robert Hassink*, Dept. of Geography, University of Kiel; Mulan Ma*, University of Kiel, *Exploring notions from evolutionary economic geography for the analysis and explanation of tourism area evolution.*

8:20 Bjornar Sather*, University of Oslo, *Comparing knowledge support in Scandinavian agriculture - 200 years of evolution facing new challenges.*

8:40 Lionel Sack*, CIRCLE, Lund University; Jerker Moodysson, CIRCLE, Lund University, *Unforeseen potentials in a long-established setting: new developments in Cognac.*

9:00 Nichola Lowe*, University of North Carolina-Chapel Hill, *Knowledge on the Shop-Floor: Mediating the Relationship between Manufacturing Innovation and Workforce Development.*

Discussant(s): Helen Lawton Smith, Birkbeck University of London

- 3103. Contesting Models of Ecological Urban Living: Eco-cities and Beyond I Production and Circulation (Sponsored by Cultural and Political Ecology Specialty Group, Global Urbanization, Urban Geography Specialty Group)**

Room: La Brea, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Federico Cugurullo, Kings College London; Elizabeth Rapoport

CHAIR(S): I-Chun Catherine Chang, University of Minnesota

8:00 Donald McNeill*, University of Western Sydney, *Instrumented Cities? An analysis of IBM's smarter cities initiatives..*

8:20 Hug March*, IN3, Universitat Oberta de Catalunya; Ramon Ribera-Fumaz, IN3, Universitat Oberta de Catalunya, *Mobile Eco-Urbanism: Producing the Smart City in and through (the) Barcelona (Model).*

8:40 Samuel Mössner*, Freiburg University, *From Models to Practices: Eco-policies As Neoliberal Growth Strategies in German Cities.*

9:00 Sofia T Shwayri, Ph.D.*, Seoul National University, *Songdo, the Korean City Model for South America and Southeast Asia? Actors, Mechanisms and Form of Export.*

9:20 Elizabeth Rapoport*, University College London; Federico Cugurullo*, Kings College London, *The Eco-city Model in Practice: Global Ideology, Local Contexts.*

- 3104. Beyond gentrification: the middle classes and the city (session 1) (Sponsored by Global Urbanization)**

Room: La Cienega, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Gary Bridge, University of Bristol; Marie-Hélène Bacqué, mosaïques umr cnrs lavue 7218

CHAIR(S): Emma K Jackson, University of Glasgow

8:00 Tim Butler*, King's College, London, *Sifting and sorting: the middle classes and social mixing in London and Paris.*

8:20 Alex Schafran*, RIVES/ENTPE, *From class in the suburbs to classes of suburbs: Searching for the middle class in changing California megaregions.*

8:40 Gary Bridge*, University of Bristol; Yankel Fijalkow, CRH/UMR CNRS LAVUE CRH Centre de Recherche sur l'Habitat, Paris, *Staying middle class in Paris and London.*

9:00 Stephanie Vermeersch*, CNRS LAVUE; Marie-Hélène Bacqué*, mosaïques umr cnrs lavue 7218, *A-place-in-the-mind, the middle classes and residential choice.*

Discussant(s): Loretta Lees, King's College London, Dept. of Geogr

- 3105. Braceros I: Screening and Discussion of "Harvest of Loneliness/Cosecha Triste: The Bracero Program" (Sponsored by Socialist and Critical Geography Specialty Group, Historical Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)**

Room: Los Cerritos, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Don Mitchell, Syracuse University; Ben Gerlofs

CHAIR(S): Don Mitchell, Syracuse University

Introducer: Vivian Price

Introducer: Gilbert Gonzalez

Panelists: Juan De Lara, University of Southern California; Samuel Cortez, San Diego State University

- 3107. Advances and Challenges in Digital Elevation Models I (Overview) (Sponsored by Coastal and Marine Specialty Group, Spatial Analysis and Modeling Specialty Group, Geomorphology Specialty Group)**

Room: Palos Verdes, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Barry Eakins, University of Colorado; Jeffrey J. Danielson, United States Geological Survey

CHAIR(S): John Brock, USGS

Introducer: John Brock

THURSDAY, APRIL 11 • 8:00 AM - 9:40 AM • 3100

8:05 Barry W Eakins*, University of Colorado; Jeffrey J Danielson, U.S. Geological Survey; John Brock*, USGS, *Creating an Integrated Framework for U.S. Digital Elevation Models.*

8:20 XiaoHang Liu*, San Francisco State University, *Accuracy Assessment of LiDAR-Derived DEM.*

8:40 Mark Masry, B.Sc.EE, Ph.D.*, CARIS, *Variable Resolution Surfaces: techniques and applications.*

9:00 Kurt Schwehr, PhD*, Google; Jamie Adams, Google; Jenifer Austin Foulkes, Google, *Classification of Bathymetry Grids Using Open Source Tools.*

9:20 Dean Gesch*, U.S. Geological Survey, *Accounting for Vertical Uncertainty in Elevation-Based Sea-Level Rise Assessments.*

3108. Suburban Dreamscape to Suburban Nightmare? V: Gentrification, Segregation, and Protest (Sponsored by Urban Geography Specialty Group)

Room: San Bernardino, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Christopher Niedt, Hofstra University; Paul J Maginn, University of Western Australia

CHAIR(S): Paul J Maginn, University of Western Australia

8:00 Suzanne Lanyi Charles*, University of Michigan, *Teardowns and McMansions: Residents' Attitudes and Experiences of Neighborhood Change in an Inner-ring Suburb of Chicago.*

8:20 Katrin Anacker, George Mason University; Christopher Niedt*, Hofstra University; Nancy Denton, University of Albany, *The Dual Suburb?: Class Segregation and Diversity in the U.S., 1980-2010.*

8:40 Bruno Meeus*, Sint-Lucas School of Architecture; Pascal De Decker, Sint-Lucas School of Architecture; Nick Schuermans, KU Leuven, *Urban diversity and the suburban spirit in Flanders, Belgium.*

3109. Spatial and Spatio-Temporal Data Mining & Visualization (4): Geo-Social Networks (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

Room: San Fernando, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Diansheng Guo, University of South Carolina; Wei Luo, GeoVISTA Center, Department of Geography, Penn State University

CHAIR(S): Clio Andris

8:00 Xining Yang*, The Ohio State University; Xinyue Ye, Bowling Green State University; Daniel Z. Sui, The Ohio State University, *A spatial-temporal exploration of the pulse of the city on Foursquare: A case study of Columbus, Ohio.*

8:20 Yang Zhou*, School of Remote Sensing and Information Engineering, Wuhan University, P.R.China; Zhixiang FANG*, State key Laboratory of Information Engineering in Surveying, Mapping, and Remote Sensing, Wuhan University; Qingquan Li, State Key Laboratory of Information Engineering in Surveying, Mapping, and Remote Sensing, Wuhan University, P.R. China; Shih-Lung Shaw, Department of Geography, University of Tennessee, Knoxville, TN, USA; Yuguang Li, State Key Laboratory of Information Engineering in Surveying, Mapping, and Remote Sensing, Wuhan University, P.R. China, *Where are the critical places for taxi drivers to plan their routes in whole city?.*

8:40 Zhuojie Huang*, Department of Geography and Emerging Pathogens Institute, University of Florida; Xiao Wu, Department of Statistics, University of Florida; Andy Garcia, Department of Geography and Emerging Pathogens Institute, University of Florida; Andrew J Tatem, Department of Geography, University of Southampton, *An open-access modeled passenger flow*

matrix for the global air network in 2010.

9:00 Wei Luo*, GeoVISTA Center, Department of Geography, Penn State University; May Yuan, Center for Spatial Analysis, The University of Oklahoma, *Spatial Dimensions of International Trade.*

9:20 Natalie K Jensen*, Augusta State University, *Augusta MSA: A Socially-Fractured Metropolis.*

3110. Spatiotemporal Thinking, Computing and Applications 1: What does it mean? (Sponsored by Applied Geography Specialty Group, Climate Specialty Group, Health and Medical Geography Specialty Group)

Room: San Gabriel A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Chaowei Yang, George Mason University; Weihe Wendy Guan, Harvard University

CHAIR(S): Keith Clarke, University of California, Santa Barbara

8:00 Joseph Oppong*, University of North Texas; Warangkana Ruckthongsook, University of North Texas; Chetan Tiwari, PhD, University of North Texas, *Spatial and temporal distribution of HIV/AIDS in Texas 1999-2011.*

8:20 Samuel Schramski*, University of Florida, *Socio-Ecological Resilience, Community Based Adaptation, and the Search for Temporal Congruence in Climate Change Research.*

8:40 Qinqing Shi*, Department of Geographical Sciences, University of Maryland, College Park, Maryland, USA.; Shunlin Liang, Department of Geographical Sciences, University of Maryland, College Park, Maryland, USA., *Spatiotemporal Characterization of the Surface Radiation Budget over the Tibetan Plateau.*

9:00 Samuel Adu-Prah, PhD*, Southern Illinois University; Tonny Oyana, PhD, Southern Illinois University, *Enabling Healthy Living: Spatiotemporal Patterns of Prevalence of Overweight and Obesity among Youths in the United States.*

9:20 Chaowei Yang*, George Mason University; Keith Clarke, UC-Santa Barbara; Wendy Guan, Harvard; Peter Bol, Harvard; Michael Goodchild, UC-Santa Barbara; Qunying Huang, George Mason University, *Overview of Spatiotemporal Thinking, Computing and Applications.*

3111. Interracial Dynamics in Urban Agriculture or (How) Race Matters in Urban Agriculture Part 1 (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice, Geographies of Food and Agriculture Specialty Group)

Room: San Gabriel B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Alison Hope Alkon, University of the Pacific; Julian Agyeman, Tufts University

CHAIR(S): Catarina Passidomo, University of Georgia

Introducer: Alison Hope Alkon

8:05 Garrett Broad, Doctoral Candidate*, USC Annenberg, *From Black Panthers to the USDA: Urban Agriculture and the Contradictions of Networked Social Change.*

8:25 Tyler S. Schafer, M.A.*, University of Nevada, Las Vegas, *Patterns of Neighboring in Ambiguous Realms of Urban Life: Interracial Interactions in Urban Community Gardens.*

8:45 Justin Myers*, City University of New York Graduate Center, *East New York Farms!: Food Justice as a Culture of Resistance.*

9:05 Catarina Passidomo*, University of Georgia, *Whose right to (farm) the city?: Race and food justice activism in post-Katrina New Orleans.*

Discussant(s): Julian Agyeman, Tufts University

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3112. International Encyclopedia of Geography Editorial Meeting

Room: *San Gabriel C, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Joy K. Adams, Association of American Geographers
 CHAIR(S): Douglas Richardson
 Discussant(s): Marc P. Armstrong, University of Iowa; Joy K. Adams, Association of American Geographers; Audrey L. Kobayashi, Queen's University; Richard A. Marston, Kansas State University; Michael Goodchild, University of California - Santa Barbara; Weidong Liu, Chinese Academy of Sciences; Noel Castree, University of Manchester; David R. Butler, Texas State University - San Marcos; Francis Collins, National University of Singapore; Douglas Richardson; Peter W. Daniels, University of Birmingham; Michael Dunford, University of Sussex; Sally Eden, University of Hull; Kenneth E. Foote, University of Colorado; Alex Jeffrey, Newcastle University; Lily Kong, National University of Singapore; Mei-Po Kwan, University of Illinois at Urbana-Champaign; Hui Lin, The Chinese University of Hong Kong; Sheryl Luzzadder-Beach, George Mason University; George P. Malanson, University of Iowa; Steven M. Manson, University of Minnesota; James T. Murphy, Clark University; Anoop Nayak; Mark Pelling, King's College London; David O'Sullivan, University of Auckland; Anssi Paasi, University of Oulu; Linda Peake; Geraldine J. Pratt, University of British Columbia; Jean-Paul Rodrigue, Hofstra University; Randall Schaetzl, Michigan State University; Richard A. Schroeder, Rutgers University; Marshall Shepherd, University of Georgia; Eric S. Sheppard, University of Minnesota - Minneapolis; Markus Stoffel, University of Berne; Ming-Hsiang Tsou, San Diego State University; David Wilson, University of Illinois; Geoff Wilson, School of Geography; Robin A. Kearns, University of Auckland; May Yuan, Univ of Oklahoma; Canfei He, Peking University

3117. CyberGIS Symposium: Time Geography I (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: *Santa Barbara A, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Steven Farber, University of Utah
 CHAIR(S): Hongbo Yu, Oklahoma State University
 8:00 Mark W Horner*, Florida State University; Joni A Downs, University of South Florida, *Exploring a Density-Based Accessibility Index for Mobile Objects*.
 8:20 Donggen Wang, Dr*, +; Tao Lin, Department of Geography, Hong Kong Baptist University, *Urban Contexts and Time Use: A Comparative Study of Time Use and Travel Behavior between Hong Kong and Beijing*.
 8:40 Sam Stehle*, Pennsylvania State University, *A Modified Alignment Method for Matching Patterns of Spatio-Temporal Events*.
 9:00 Jae Hyun Lee*, UC Santa Barbara; Konstadinos G. Goulias, UC Santa Barbara, *Exploring the relationship between activity types and the types of business establishment*.
 9:20 Hongbo Yu*, Oklahoma State University, *Exploring Activity Patterns in a Large Tracking Dataset: A Time-Geography Approach*.

3118. Tales from the neoliberal university: stories that challenge the corporatized institutional experience of education (Sponsored by Graduate Student Affinity Group, Geography Education Specialty Group, Socialist and Critical Geography Specialty Group)

Room: *Santa Barbara B, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Carrie Mott
 CHAIR(S): Jessa Loomis, University of Kentucky
 Discussant(s): Lacin Tutar, University of Kentucky; Austin Crane, University of Kentucky; Malene Jacobsen; Brittany Cook, University of Kentucky; Laura L. Sharp, University of Kentucky; Lindsay Shade, University of Kentucky; Michele Flippo Bolduc, University of Kentucky; Vanessa Marquez, University of Kentucky
 Panelists: Anne-Marie Debbane, San Diego State University; Rebecca Lave, Indiana University Dept of Geography; Carrie Mott; Sandra Zupan, University of Kentucky

3119. Firms, Networks and Urban Development in China (Sponsored by China Specialty Group, Symposium on New Geographies of Urban China)

Room: *Santa Barbara C, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Canfei He, Peking University; Yehua D Wei, University of Utah
 CHAIR(S): Canfei He, Peking University
 8:00 Mingfeng WANG*, East China Normal University; Juan QIU, East China Normal University; Yehua D WEI, University of Utah, *The Spatial Distribution and Urban Network of Venture Capital Investments in China*.
 8:20 Deyu Li*, Peking University, P.R.China, *China's City Network Pattern: An Empirical Analysis Based on the Global Value Chains of Multinational Companies*.
 8:40 Felix, Haifeng LIAO*, University of Utah, *When do TNCs want to cooperate with domestic firms in innovation? An investigation of the ICT industry in Suzhou, China*.
 9:00 Xiuqing Bi*, East China Normal University; Yehua Dennis Wei, University of Utah; Yuemin Ning, The center for modern Chinese city studies, East China Normal University, *Intraurban location of the software industry in metropolitan Shanghai, China*.
 9:20 Zhiji Huang*, Peking University, *Environmental regulation and the Total Factor Productivity of firms in China*.

3120. Reconstructing Past Landscapes and Ecosystems using Historical Records (Sponsored by Biogeography Specialty Group)

Room: *Sacramento, Westin, Level 2* (Paper Session)
 ORGANIZER(S): Barry Kronenfeld, Eastern Illinois University; Yi-Chen Wang, National University of Singapore
 CHAIR(S): Barry Kronenfeld, Eastern Illinois University
 8:00 Charles V. Cogbill, Ph.D.*, Harvard Forest, *Estimation of presettlement forest density and basal area using witness tree diameter-direction-distance measurements from Public Land Surveys*.
 8:20 Travis Longcore*, University of Southern California, *Use of Natural History Records in Reconstruction of Pre-urban Southern California Landscapes*.
 8:40 Darrel McDonald, Ph.D. C.P.M.*, Stephen F Austin State University, *The 19th century Historical Landscape Transformation of Galveston Island through Words, Images and Maps*.
 9:00 Patricia McDowell*, University of Oregon, *Using GLO Notes to Reconstruct River and Riparian Features in Oregon*.
 9:20 Barry Kronenfeld*, Eastern Illinois University, *Assessing Selection Bias of General Land Office Surveyors in Minnesota using a Relative Distance Test*.

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3121. Transportation, Economic, and Political Geography

Room: San Diego, Westin, Level 2 (Poster Session)

ORGANIZER(S): Program Committee

Christiane Von Reichert*, University of Montana, *Economic and Community Dynamics in Wallace, Idaho.*

Zhang Yuansuo*; XIONG Heigang, *Manipulation of the Housing Price and the Segmentation Design of the Housing Market???Taking Beijing as an Example.*

John Bodenman*, Bloomsburg University, *The Restructuring of U.S. Hardwood Industry Production: The Case of Pennsylvania Producers, 1990-2010..*

Juliana Emy Carvalho Tanaka*, UNESP; Danilo Piccoli Neto*, UNESP - São Paulo State University, *Knowledge, Innovation and Learning Clusters - the relationship between proximity and innovation networks distant.*

Wagner Luiz Lourenzani, Dr.*; Universidade Estadual Paulista; Marcellus Caldas, Dr., Kansas State University, *Heading West: the case of sugarcane the expansion in Brazil.*

Sara L Schubert*, USMA, *Research and Development in Israel.*

Robert South*, Department of Geography, University of Cincinnati; Changjoo Kim, Ph.D., Department of Geography, University of Cincinnati, *Determinants of Plant Closure: U.S. Manufactures in Mexico.*

Farshid Haque*, University of California, Davis; Leslie J Butler, Ph.D., University of California, Davis; Luis E Guarnizo, Ph.D., University of California, Davis, *Role of State in Origin of Food: Identity Formation around Disease Traceability in Capitalist Animal Agriculture.*

Benjamin Brewer, M.S.*, University of Montana; Christiane von Reichert, P.H.D., University of Montana, *An analysis of demographic and socio-economic change in the Clark Fork watershed between 2000 and 2010.*

Efraim Tito Hernandez Orozco*, National Autonomous University of Mexico; Alvaro Sanchez Crispin, Ph.D., National Autonomous University of Mexico, *Geographical reach of international commerce through the Panama Canal.*

Ryan Weichelt*, University of Wisconsin-Eau Claire; Laura Middlesworth*, University of Wisconsin - Eau Claire, *A Spatial Analysis of Foreclosures in Dane County.*

Adam D. McKay, MSc.*, Ryerson University; Peter J. Kedron, PhD, Ryerson University, *Non-state actor involvement in global production networks and conflict mineral trade between Africa and China: Transforming social and environmental geographies..*

Carolina Tovar Vargas*, Secretaría de Educación Distrital - Bogotá - Colombia; Carolina Tovar Vargas, *Spatial Distribution of Forced Displacement in Colombia.*

Alexandra Berrios*, Alexandra Berrios, University of Puerto Rico, *Migration as a deciding factor in Puerto Rico and United States elections in 2012.*

Helene DUCROS*, University of North Carolina - Chapel Hill, *Logo in the landscape, landscape in the logo: Rural development, global networks, and local heritage.*

Shandi N Siegl*, University of Wisconsin - Eau Claire, *Wisconsin's Aging Counties.*

George B. Appling*, University of Richmond; David S. Salisbury, Ph. D., University of Richmond, *Analysis of the Socio-Environmental Impacts of Transboundary Amazonian Transportation Infrastructure: the Pucallpa- Cruzeiro do Sul Road/Rail in Peru and Brazil.*

Chloe Thomas*, University of North Texas; Lisa Nagaoka, Ph.D., University of North Texas, *Effect of Building Function on Bike Rack Usage at the University of North Texas Using Time-Series Photography.*

Gigi Berardi, Ph.D*, Huxley College, Western Washington University, *Back to the Future: Resilient Farmers, Resilient Agricultures.*

Samir Dhar*, University of Toledo; Peter S. Lindquist, University of Toledo, *Tracking vessel in the great lakes using AIS.*

Alanna V Young*, University of Oregon; Natalie A MacDonald*, University of Oregon, *The Geoweb and Bicycling Safety in Eugene, OR.*

Paisly Di Bianca*, USEPA Region 5, *A Comparative GIS Analysis of Tokyo Metro Train Stations Compared to Chicago Transit Authority Train Stations.*

Tom Shoberg, PhD*, United States Geological Survey; Suzanna K Long, PhD, Missouri University of Science and Technology; Varun Ramachandran*, Missouri University of Science and Technology; Hector Carlo, PhD, University of Puerto Rico - Mayaguez; Steven Corns, PhD, Missouri University of Science and Technology, *Modeling Resiliency in Urban Supply Chain Networks in the Wake of Extreme Event Disasters.*

Haiyong Zhu*; meng bin; qian li, *Effect of rail transportation on the Office space layout: a case study of Beijing Subway Line 5.*

Zachary K Morrison*, Texas Tech University, *The Role of GIS in Understanding Border Communities' Vulnerability to Narco Tunneling.*

Randy J. Wolter*, CSU Northridge, *Spatial and Statistical Analysis of Auto Thefts in 2011: City of Fresno, CA.*

Nicholas Klein-Baer*, Humboldt State University; Matthew Derrick, Ph.D., Humboldt State University, *Ethnicity and Changing Urban/Rural Patterns in Tatarstan, Russia (1959-2002).*

Courtney Rodman*, Middle Tennessee State University; Hari P Garbharran, Ph.D, Middle Tennessee State University, *Humans in Crisis works with Refugee Populations in Middle Tennessee.*

John Clark Archer*, University of Nebraska; Rebecca A. Buller, Geography, University of Nebraska-Lincoln, *Settlement Dynamics and Geodemographic Restructuring in Nebraska.*

Yu He*, College of Tourism, Shanghai Normal University, *Mainland China international tourism flow and its variation analysis Nearly 10 years.*

Gengen F He*, The University of Tennessee; Minshu Ma, University of Tennessee Transportation Research Center; Shih-Lung Shaq, The University of Tennessee Department of Geography, *Improving Operational Efficiency of Beijing - Shanghai High Speed Railroad Through Sample Passenger Data Analysis.*

3122. Theorizing from the frontier: lawlessness, accumulation and modes of governance

Room: San Francisco, Westin, Level 2 (Paper Session)

ORGANIZER(S): Erin Collins, UC Berkeley Department of Geography; Jennifer Tucker

CHAIR(S): Jennifer Tucker

8:00 Erin Collins*, UC Berkeley Department of Geography, *Frontiers of Entitlement: exclusionary tracings of Cambodia's contemporary land regime.*

8:20 Jennifer Tucker*, University of California, Berkeley, *Spaces of Deregulation: Lawlessness, Frontiers and Making the State in Ciudad del Este, Paraguay.*

8:40 Max D Woodworth*, University of California, Berkeley, *The commodity frontier and informal urbanism in China.*

9:00 Michael B. Dwyer*, CDE, University of Bern, *Property frontiers in Laos and Cambodia: Evidence of a post-neoliberal conjuncture?.*

Discussant(s): Matthew Sparke, University of Washington

THURSDAY, APRIL 11 • 8:00 AM - 9:40 AM • 3100**3123. Teaching Human-Nature Geography (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)***Room:* San Jose, Westin, Level 2 (Illustrated Paper Session)ORGANIZER(S): Anna Versluis, Gustavus Adolphus College
CHAIR(S): Anna Versluis, Gustavus Adolphus College**8:00** Anna Versluis, PhD*, Gustavus Adolphus College, *A review of the published literature on teaching human-environment geography.***8:10** Richard Eathorne*, Northern Michigan University, *Approaching the Human-Environment Geography Curriculum: A Threefold Paradigm.***8:20** Shaunna Barnhart, PhD*, Allegheny College, *Teaching Political Ecology: Engaging with Place.***8:30** Alida Cantor*, Clark University; Verna DeLauer, Ph.D., Clark University; Deb Martin, Ph.D., Clark University; John Rogan, Ph.D., Clark University, *Beetles, Trees, and Policies: Using applied, community-based problem solving as a mechanism for teaching undergraduates how to conduct research, think outside their discipline, and apply book knowledge to a real-world crisis.***8:40** Stacy Rosenberg, Ph.D.*, SUNY Potsdam, *How do I fit it all in? What to incorporate in an introductory human-nature geography course.***8:50** Abigail Nehring*, Bard College at Simon's Rock, *Communicating the human-environment through story telling: the Asian Longhorned Beetle in Worcester County, Massachusetts.***9:00** Helen Ruth Aspaas, Ph.D.*, Virginia Commonwealth University, *Promoting Service-learning in Undergraduate Geography Courses.***3124. Mapping Language and Place with GIS***Room:* Avalon, Westin, Level 3 (Paper Session)

ORGANIZER(S): Lisa Jeon, University of North Texas; Patricia Cukor-Avila

CHAIR(S): Lisa Jeon, University of North Texas

8:00 Lisa Jeon, MA*, University of North Texas, *Geographical Information Systems for Perceptual Dialectology.***8:20** Patricia Cukor-Avila*, University of North Texas, *Mapping Linguistic Diversity across Texas.***8:40** Patricia Rector*, university of north texas, *Almost Classy to Mumbly White Trash: How Texans Perceive Dialects in the Lone Star State.***9:00** Wei Chen, Ph.D. candidate*, The Ohio State University, *Natural Language Processing and GIS.***9:20** Dalia Hernandez*, California State Uni. Long Beach - Undergraduate, *The Language of Belonging: A Latina Perspective on Spanish and English.***3125. #Geo/Code: Digital Society (Sponsored by Geographic Information Science and Systems Specialty Group)***Room:* Emerald Bay, Westin, Level 3 (Paper Session)

ORGANIZER(S): Jim Thatcher, Clark University

CHAIR(S): Jim Thatcher, Clark University

Introducer: Matthew W. Wilson

8:05 James Baginski*, Ohio State University, *Friending the Feds: Government on Facebook.***8:21** Sally Applin, Doctoral Candidate, Sr. Researcher*, University of Kent, Canterbury, UK - Centre for Social Anthropology and Computing, *Ways to Go: Agency and Heterogeneity in Geography.***8:37** Slavka Antonova*, University of North Dakota, *Digital divide in global Internet governance: The "access" issue area.***8:53** Taylor Shelton*, Clark University; Ate Poorthuis, University of Kentucky; Mark Graham, University of Oxford; Matthew Zook, University of Kentucky, *From dangling cranes to flooded tunnels: Hurricane Sandy and the Geographies of Twitter.***9:09** Renee Sieber*, McGill University, *The Geoweb in a**Digital Society: Participatory Theory meets Grounded Experience.***9:25** Jess Bier*, Maastricht University, *The Colonizer in the Computer: The British Influence in Palestinian Authority Cartography.***3126. Relations to Land, Indigeneity and Resistance (Sponsored by Indigenous Peoples Specialty Group)***Room:* Hollywood Ballroom, Westin, Level 3 (Panel Session)

ORGANIZER(S): Padini Nirmal, Clark University; Fernando Hernandez Espino, Clark University

CHAIR(S): Jacque (Jody) Emel, Clark University

Discussant(s): Padini Nirmal, Clark University; Dianne Rocheleau, Clark University

Panelists: Fernando Hernandez Espino, Clark University; Khury Petersen-Smith, Clark University

3127. Urbanization, Agricultural Intensification, and Habitat Alteration in Vietnam: Modeling Transitional Development and Emerging Infectious Diseases: Part I (Sponsored by Rural Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group, Health and Medical Geography Specialty Group, Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)*Room:* Santa Monica A, Westin, Level 3 (Paper Session)

ORGANIZER(S): Jefferson Fox, East-West Center

CHAIR(S): Nancy Lewis, East-West Center

8:00 Jefferson Fox, PhD*, East-West Center; Sumeet Saksena, PhD, East-West Center; James Spencer, PhD, University of Hawaii, Manoa; Miguel Castrence, East-West Center; Melissa Finucane, PhD, East-West Center; Nargis Sultana, University of Hawaii, Manoa, *Urbanization, Agricultural Intensification, and Habitat Alteration in Vietnam: Modeling Transitional Development and Emerging Infectious Diseases.***8:15** Melissa L. Finucane, PhD*, East-West Center, *Understanding Perceptions of and Responses to the Risks of Avian Influenza in Vietnam.***8:30** Sumeet Saksena*, The East West Center; Trinh Dinh Thau, Hanoi University of Agriculture; Pham Nguyen Lam, Hanoi University of Agriculture; Nargis Sultana, University of Hawaii; Melissa Finucane, The East West Center; Jefferson M Fox, The East West Center, *Animal husbandry and farm-level bio-security practices across the rural to urban gradient in Vietnam and their relationship to avian influenza.***8:45** James H Spencer, PhD*, University of Hawaii at Manoa; Nargis Sultana, University of Hawaii at Manoa, The East West Center; Charles Nguyen, University of Hawaii at Manoa, The East West Center, *The Urban Transition in Fast Developing Cities: The Case of Emerging Infectious Disease in Vietnam.*

Discussant(s): Dan Brown, University of Michigan

3128. Built Environment Impacts on Urban Health and Behavior (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)*Room:* Santa Monica B, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): Elisabeth Dowling Root, University of Colorado, Boulder

8:00 Eric Hanss*, Center for Population Economics, University of Chicago Booth School of Business; Brian Bettenhausen, Center for Population Economics, University of Chicago Booth School of Business; Carlos Villarreal, University of Illinois at Chicago, *The Historical Urban Ecological Data Set: A GIS Framework for the Changing American City, 1830-1930.***8:20** Sara Metcalf*, University at Buffalo (SUNY), *Modeling Urban Health and Behavior at the Intersection of*

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Social, Natural, and Built Environments.

8:40 Jeong C Seong*, University of West Georgia; Tae H. Park, University of Seoul; Seo I. Chang, Dr., University of Seoul; Minh Kim, Dr., SangMyung University; Joon H Ko, Dr., University of Seoul, *Road Traffic Noise and Human Health.*

9:00 Erika Sandow*, Geography and Economic History; Olle Westerlund, Department of Economics; Gunnar Malmberg, Geography and Economic History; Urban Lindgren, Geography and Economic History, *Different ways to go - The effects of long-distance commuting on causes of death.*

9:20 Alexandra M Moulden*, University of Maryland College Park Department of Geographical Sciences; Jared Fisher, University of Maryland School of Public Health, *Land Cover Change and Health: Analyzing Built Environment Impacts on Health Outcomes in Maryland Using Remote Sensing.*

3129. Ecologies of Well-Being I (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica C, Westin, Level 3 (Paper Session)

ORGANIZER(S): Tim Schwanen, University of Oxford; David Conradson, University of Canterbury

CHAIR(S): Tim Schwanen, University of Oxford

8:00 David Conradson*, University of Canterbury, *Well-Being and Place: Losing and Finding Hope in a Post-Disaster City.*

8:20 Samuel Johns, BA (hons)*, University of British Columbia, *Well-being in Wonderland: the case of Vancouver's urban escapist.*

8:40 Anna de Jong*, University of Wollongong - Australian Centre for Cultural Environmental Research, *Return Journeys to Mega Urban Events: Young People and Well-being beyond the metropolis.*

9:00 Robin A. Kearns*, The University of Auckland, *Up the Creek: Assembling ecologies of wellbeing with Maslow in local spaces.*

Discussant(s): Tim Schwanen, University of Oxford

3130. Africa's Green Revolution: critical perspectives on new agricultural technologies and systems I (Sponsored by Cultural and Political Ecology Specialty Group, Africa Specialty Group, Development Geographies Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Matthew Schnurr; William G Moseley, Macalester College

CHAIR(S): Matthew Schnurr

8:00 William G Moseley*, Macalester College; Thando Gwebu, PhD, University of Botswana, *Problems with the Ricardian Food Security Dream: Botswana's Conundrum of Growth with Hunger.*

8:20 Imogen Bellwood-Howard*, university for development studies; Seidu Al-Hassan, Dr, University for Development Studies, *Credit groups and sustainable Soil Fertility Management in Northern Ghana.*

8:40 Bruce A. Scholten, PhD*, Durham University, UK; Pratyusha Basu, PhD, University of South Florida, Tampa, *Linking Dairy Development to Africa's New Green Revolution.*

9:00 Abraham Goldman*, University of Florida, *Nutrient and Human Impoverishment in African Agriculture: Unsustainable agriculture in the absence of an African green revolution.*

Discussant(s): Chris S. Duvall, University of New Mexico

3134. Rural Geography in Africa, Asia, and Middle and South America: Part 1 (Sponsored by Rural Geography Specialty Group)

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)

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

CHAIR(S): Dawn M Drake, Missouri Western State University

8:00 Alfred Colpaert*, University of Eastern Finland, *Rural Land Use Change in East Caprivi, Namibia (1970 - 2006).*

8:20 Elsbeth J Robson, Dr*, University of Malawi; Kate Hampshire, Dr, Durham University UK; Gina Porter, Dr, Durham University, UK; Alister Munthali, Dr, University of Malawi, *Children's Head-loading Work and Rural Africa's Transport Gap: Evidence from Malawi.*

8:40 Leslie Acton*, Duke University, *An Examination of the Impacts of Faith and Religion in the Use of Common-Pool Resources: The Case of Artisanal Fisheries in Kino Bay and Punta Chueca, Mexico.*

9:00 Li-San Hung*, The Pennsylvania State University; Jia-En Sheu, National Taiwan Normal University, *Community attachment, environmental attitudes, and local attitudes toward protected areas: a study from Taiwan.*

9:20 Alexandra Titz*, Friedrich-Alexander-University Erlangen-Nuremberg, *Poverty and Climate Change in the Himalayas of Nepal.*

3135. Situating (Post)Islamist Geopolitics I (Sponsored by Political Geography Specialty Group, Geography of Religions and Belief Systems Specialty Group)

Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)

ORGANIZER(S): David J Marshall, University of Kentucky

CHAIR(S): David J Marshall, University of Kentucky

Introducer: David J Marshall

8:20 Mona Atia*, George Washington University, *Neoliberalism and Piety in Post-Mubarak Egypt.*

8:40 Nurcan Atalan-Helicke*, Skidmore College, *"ecoIslam": Global markets, Islamic perspectives on genetically-modified food and halal certification.*

9:00 Richard L Wolfel*, US Military Academy, *Controlling the Uncontrollable: Billboards as a Tool of Political Penetration and Control in Uzbekistan..*

9:20 Peter Wood*, Florida State University, *Transnational Islam in Latin America's Southern Cone.*

3136. Geophilosophy and planes of urban experience 1

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Cheryl Gilge; Keith Harris, University of Washington

CHAIR(S): Keith Harris, University of Washington

8:00 Isabelle Schoepfer*, University of Fribourg, *Neighborhoods Images de/territorializing the City - Insights on residents making sense of their city.*

8:20 Pooya Ghoddousi*, UCL Geography MPhil/PhD student, *Reemergence of the Nomadic: Transnational assemblages of middling Iranians.*

8:40 Vladimir Mikadze*, McGill University, School of Architecture, *Re-interpretation of Space and Place through Contestation: a Phenomenological Perspective.*

9:00 Michele Lancione*, UTS, *Codifying future walks. Abstract machines at play in the making of a pedestrian network in beautiful Sydney, Australia.*

Discussant(s): Peter Ekman

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3137. Exploring Materialised Governmentalities 1 (Sponsored by Political Geography Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Tauri Tuvikene

CHAIR(S): Tauri Tuvikene

8:00 Annika Mattissek*, Technical University Dresden; Thilo Wiertz*, Institute for Advanced Sustainability Studies, *Technologies of climate governance.*

8:20 Leah M Gibbs, PhD*, University of Wollongong; Jennifer Atchison, PhD, University of Wollongong; Ingereth Macfarlane, PhD, University of South Australia, *Camel country: Material assemblages of animal belonging, or not.*

8:40 Claire Rasmussen*, University of Delaware, *Governing Domestication: The Legal Regulation of Dogs and their Humans.*

9:00 Jennifer Rich*, University of Nottingham, *Sonic Territories and Citizen Scientists: Radio-Guided Tours at the Science Museum, London 1960-1964..*

9:20 Jason Ponto*, University of Calgary, *The road less pedalled: Using built forms to govern transportation practices in Calgary (Canada) and Groningen (Netherlands).*

3138. Social, Cultural & Political Geographies of Waste

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Mohammed Arefin, University of Arizona; Sarah A Moore, University of Wisconsin - Madison

CHAIR(S): Sarah A Moore, University of Wisconsin - Madison

8:00 Rachel Russell*, University of Southern California, *Transborder Flows of Untreated Wastewater: Comparing Media Discourse in Tijuana and San Diego from 2007-2011.*

8:20 Mike Dimpfl*, UNC Chapel Hill, *Cleanliness is next to ____: Composting toilets, domestic boundaries, and daily habit.*

8:40 Pierre Desvaux*, University of Grenoble 2, *Legitimizing informal waste practices: implementing norms and the right to the city.*

9:00 Sya Buryn Kedzior, PhD*, Towson University, *Making Waste and a Politics of Blame: Water Quality Testing and the Socio-Scientific Production of Pollution.*

9:20 Mohammed Rafi Arefin*, University of Arizona, *Clean Nation: The Politics of Waste Management in Cairo, Egypt.*

3139. Urban & Regional Planning: Geographic Perspectives I

Room: Laguna Parlor 3068, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Antoine Decoville, CEPS/INSTEAD

8:00 Paola Briata*, Bartlett School of Planning - UCL, *The resources of multi-ethnic environments: planning in the "cities of difference".*

8:20 Anne Aguilera*, Ifsttar LVMT, *Business travel and sustainability.*

8:40 Anne Peggy Hellequin*, Université du Littoral-Côte d'Opale; Antoine Delebarre, Université du Littoral-Côte d'Opale, *Nature, peace, and healthy air: social representations of exurbs: Dunkirk as French example.*

9:00 Briar Pierce*, East Tennessee State University; Ke Chen, East Tennessee State University, *Causes of Change in Poverty in Tennessee from 2000 to 2010.*

9:20 Antoine Decoville*, CEPS/INSTEAD, *Is the polycentric spatial strategy relevant at a city-region scale? Analysis of the case-study of Luxembourg.*

3140. Geographic Researches in Turkey 1 (Sponsored by Geography Faculty Development Alliance (GFDA))

Room: Malibu Parlor 3018, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Arif Keceli, University of Oklahoma; Mehmet Karakuyu, Fatih University

CHAIR(S): Suleyman Incekara, Fatih University

8:00 Arif Keceli*, Mehmet Akif Ersoy University, *Perceptions of Urban Livability based on Age Groups.*

8:20 Muhammet Yasir Aydogmus*, Dicle University, *understand quality and quantity of graduate education in Turkey.*

8:40 Gokhan Mert*, Afyon Kocatepe University, Geography Department; Mehmet Karakuyu, Fatih University, Geography Department, *Socio - Economic and Physical Integration of Villages to Istanbul Metropolitan Area.*

9:00 Mehmet Karakuyu*, Fatih University, *The Historical Urban Growth of Manisa City.*

9:20 Suleyman Incekara*, Fatih University, *A research on teaching methods in geography education in Turkey: A teacher's approach.*

3141. Places of co-habitation, Spaces of imagination 1 (Sponsored by Animal Geography Specialty Group)

Room: Malibu Parlor 3038, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Henry Buller; Mara Miele

CHAIR(S): Mara Miele

8:00 Mara Miele*, Cardiff University, *Cats in the city.*

8:20 Henry Buller*, University of Exeter, *Walking with cows.*

8:40 Jamie Lorimer*, University of Oxford, *Microbiogeographies: living well with parasitic worms.*

9:00 Julie Urbanik, Ph.D.*, UMKC; Kelly Thompson, Mustela Vision Productions, *Perceptions of the Animal Landscape in Kansas City.*

3142. The Housing Experiences of Immigrants in North American and Australian Cities (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Malibu Parlor 3058, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Carlos Teixeira, University of British Columbia Okanagan; Stavros T. Constantinou, Ohio State University

CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan

8:00 Carlos Teixeira*, University of British Columbia Okanagan, *Housing New Canadians in the Outer Suburbs of Vancouver, Canada.*

8:20 James Forrest*, Macquarie University; Ira Sheskin, Prof., University of Miami, *The Resettlement Experience of Jewish Settlers to Australia.*

Discussant(s): John Miron, University of Toronto

3143. Urban Waters and Waterways (Sponsored by Urban Geography Specialty Group, Water Resources Specialty Group)

Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Birke Otto, HafenCity Universität Hamburg

8:00 Richard Kruger*, *The urban sustainability fix: 'Green City, Clean Waters' and the future of urban infrastructure in Philadelphia.*

8:20 Jennifer T. Mokos*, Vanderbilt University, *Buried streams and hidden narratives: A sociomaterial approach to understanding urban water.*

8:40 Sabin Ninglekhu, PhD Candidate*, University of Toronto, *Planning, Politics and the Proletariats: Colliding interests around an urban future.*

9:00 Birke Dorothea Otto, Dr.*, HafenCity Universität Hamburg; Wolfgang Dickhaut, Prof., HafenCity University Hamburg, Germany, *Saving water: saving money, saving nature? Eco(san)-Communities in Germany..*

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3144. GISS Specialty Group Honors Competition for Student Papers on Geographic Information Science (GIS) (Sponsored by Geographic Information Science and Systems Specialty Group)

- Room:** Malibu Parlor 3118, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Daniel Goldberg, Texas A&M University
 CHAIR(S): Daniel Goldberg, Texas A&M University
8:00 Alicia F Tyson, M.A.*, University of Denver, *GIS Modeling of Landslide Susceptibility and Risk Perception*.
8:20 Marta Jankowska*, San Diego State University, *"Cleanliness is Godliness": GPS and Photo Navigation of Environmental Health Hazards by Three Groups of Children in Accra, Ghana*.
8:40 Paul Holloway*, UT at Austin, *How movement pattern analysis can improve species distribution models*.
9:00 Shiguo Jiang*, The Ohio State University, *Estimating spatial quality of categorical data from remote sensing*.

3145. Mapping Children's Health

- Room:** Malibu Parlor 3138, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Melissa J. Rura, UMNC
 CHAIR(S): Abbey Mann, Vanderbilt University
8:00 Haruna Miyakado*, University of North Texas; Joseph Oppong, Ph.D., University of North Texas; Chetan Tiwari, Ph.D., University of North Texas; Susie Mikler, Ph.D., University of North Texas Health Science Center; Peter Langlois, Ph.D., Texas Department of State Health Services, *Local Food Environment and Birth Defects in Large Urban Areas in Texas*.
8:20 Jamie L. Humphrey, MPH*, University of Colorado at Boulder; Elisabeth Dowling Root, PhD, University of Colorado at Boulder, *The impact of childhood mobility on exposure to neighborhood socioeconomic context over time*.
8:40 Darcy Reynard, MGIS*, Early Child Mapping Project, *Using the Early Development Instrument Without Using the Results*.
9:00 Yvonne Asare-Bediako*, Western University; William R. Avison, Western University, *An Empirical Analysis of Children's Mental Health*.
9:20 Abbey Mann, M.S.*, Vanderbilt University, *Rural Community Stigma Towards Children With Mental Health Issues*.

3146. Ashkenaz III

- Room:** Malibu Parlor 3158, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): David Neal Miller, The Ohio State University
 CHAIR(S): David Neal Miller, The Ohio State University
8:00 David Neal Miller*, The Ohio State University, *From Kishinev to Fifth Avenue: Making Easter Safe for the Jews*.
8:20 Jason Payne*, Ohio State University, *A Folk iz a land: Yiddish Film as Ashkenaz Geography*.
8:40 Monica Hamblet*, The Ohio State University, *Animosity and Cultural Harmony: The Multifaceted Jewish-Polish Relationship as Demonstrated Through Modern Yiddish and Polish Cultural Expressions*.

3147. Spatial Analysis

- Room:** Malibu Parlor 3178, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Bryce Batchman
8:00 Kathryn Zager*, UNC Charlotte; Thomas Ludden, Metropolitan Studies Group, UNC Charlotte; Michael Dulin, Carolinas Healthcare System; Yhenneko Taylor, Carolinas Healthcare System; Hazel Tapp, Carolinas Healthcare System, *Measuring the Impact of Stationary and Mobile Pollution Sources on Asthma Patient Outcomes in Mecklenburg County, North Carolina*.
8:20 Ya-Tse HSUEH*, National Taiwan University; Jen-Jia Lin, National Taiwan University, *A Vehicle Routing and*

Stop Locating Problem for Solid Waste Collection in Urban Areas.

- 8:40** Becky P.Y. Loo, Department of Geography, The University of Hong Kong; Yuhao Wu*, Department of Geography, The University of Hong Kong, *Effects of Vehicular Countdown Signals on Intersection Safety: A Case Study in Maoming City, China*.
9:00 Sandro Laudares, Dr.*, Catholic University of Minas Gerais; Joao Abreu, Catholic University of Minas Gerais, *Inequality and poverty: Mapping the "Bolsa Familia" Program in Brazil- Case Study of Betim / Minas Gerais*.
9:20 Bryce Batchman*, Pennsylvania State University, *Crime Analysis Automation*.

3150. Eurasia's Environmental, Economic, and Geopolitical Transformations PART I (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group, Global Urbanization, Energy and Environment Specialty Group)

- Room:** Angeleno, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel Trumbull, University of Connecticut
 CHAIR(S): Nathaniel Trumbull, University of Connecticut
8:00 Craig ZumBrunnen, Professor of Geography*, University of Washington, *Russia: A Nation in the Throws of Climate Change*.
8:20 Nathaniel Trumbull*, University of Connecticut, *State-Initiated Greenwashing in the Former Soviet Union*.
8:40 Kristopher D. White*, KIMEP University, *Nature, Economy, and the Aral Sea*.

3151. Re-framing Sustainable Tourism (Sponsored by Recreation, Tourism, and Sport Specialty Group)

- Room:** Bunker Hill, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Keith Bosak, The University of Montana
 CHAIR(S): Keith Bosak, The University of Montana
8:00 Jarkko Saarinen*, Department of Geography, University of Oulu, *Critical Sustainability: Setting the Limits to Growth in Tourism*.
8:20 Bryan S. R. Grimwood, Ph.D.*, University of Waterloo, *Nature-Culture Values in Arctic Riverscape Tourism and Inhabitation*.
8:40 Jason A. Douglas*, CUNY Graduate Center, *When dem come: The Political Ecology of Sustainable Tourism in Jamaica*.
9:00 Anjali Mohan, MRP*, Integrated design (INDE), *Structuring Sustainability: Case study, Hampi World Heritage Site*.
9:20 Barbara J McNicol*, Mount Royal University, *Conceptualizing Environmental Supply in National Parks*.

3152. The production of nature (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Animal Geography Specialty Group)

- Room:** Grand Ballroom Salon 1, The LA Hotel, Level 2 (Panel Session)
 ORGANIZER(S): Freyja Knapp, University of California, Berkeley; Mazen Labban, Rutgers University
 CHAIR(S): Freyja Knapp, University of California, Berkeley
 Discussant(s): Oona Morrow, Clark University
 Panelists: Jon Stallins; Jonathan Clark, Ursinus College; Karen Andrade, U.C. Berkeley; Alastair Iles, UC Berkeley

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- 3153. Curating the Cosmos**
Room: *Grand Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): Deborah Dixon
 CHAIR(S): Deborah Dixon
8:00 Harriet Hawkins*, Royal Holloway, University of London, *Curating Earth-Encounters*.
8:20 Eric Magrane*, University of Arizona, *Rhizoglyphics: Toward a Poetic Geography*.
8:40 Mrill Ingram*, University of Arizona, *Curating Hybrid Publics: Artwork in Spaces of Urban Infrastructure*.
9:00 Deborah Dixon*, University of Glasgow, *Hashima 3*.
9:20 Kathryn Yusoff*, Lancaster University, *Cosmic derangement and Anthropogenesis in the Anthropocene*.
- 3155. (Dis)modernity and (Bio)diversity I: exploring the biopolitics of human-environmental difference (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: *Grand Ballroom Salon 4, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): Emma Gaalaas Mullaney, The Pennsylvania State University
 CHAIR(S): Sharlene Mollett, Dartmouth College
8:00 Jeff R. Baldwin*, Sonoma State University, *The Biopolitics of Beaver in Oregon: Discourses and Animal Agency*.
8:20 Jacob Bull*, Uppsala University, *Between ticks and people: difference and intimacy in more-than-human worlds*.
8:40 T. Garrett Graddy*, American University School of International Service, *(Agricultural bio)Diversity as Object of?yet antidote to?Biopower*.
9:00 Ben Schrager, MA Candidate*, University of Hawaii at Manoa, *GM Corn in Paradise: The Rise of Hawaii's Seed Corn Industry*.
 Discussant(s): Sharlene Mollett, Dartmouth College
- 3156. NSF Unplugged: What is the Real Story Behind a Winning Proposal?**
Room: *Highland, The LA Hotel, Level 2 (Panel Session)*
 ORGANIZER(S): David McGinnis, Montana State University Billings
 CHAIR(S): David McGinnis, Montana State University Billings
 Panelists: Kenneth Young, University of Texas at Austin; Scott Freundsuh, University of New Mexico; Daniel J. Hammel, University of Toledo
- 3157. Climate Change and its Impact in the Polar Regions I (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group, Climate Change, Variability, Adaptation and Justice)**
Room: *Hollywood, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): Andrey Petrov, University of Northern Iowa; Timothy Heleniak, American Geographical Society
 CHAIR(S): Andrey Petrov, University of Northern Iowa
8:00 Marilyn Raphael, Professor*, University of California, *Changes in atmospheric circulation and Antarctic sea ice-atmosphere relationships through the mid 21st century in the Whole Atmosphere Community Climate Model*.
8:20 Thomas J Ballinger*, Kent State University; Scott C Sheridan, Kent State University, *A synoptic climatology of western Arctic SLP patterns and its relationship to mid-September ice extent*.
8:40 Matthew Cooney*, University of Northern Iowa, *Geography, Monitoring Taimyr wild reindeer summering grounds using satellite remote sensing*.
9:00 Tim Swales*, George Washington University, *Impacts of climate change on socially important variables in Northern Siberia*.
9:20 Kelsey E. Nyland*, George Washington University; Anna E. Klene, PhD, University of Montana; Jerry Brown, PhD, Woods Hole, MA; Fredrick E. Nelson, PhD, University of Delaware; Nikolay I. Shiklomanov, PhD, George Washington University, *Mapping the distribution of traditional Inupiaq ice cellars in Barrow, Alaska*.
- 3158. Political Ecologies of the State I (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group)**
Room: *Melrose, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): Katie Meehan, University of Oregon; Leila Harris, University of British Columbia
 CHAIR(S): Katie Meehan, University of Oregon
8:00 Morgan Robertson*, University of Wisconsin-Madison, *Ecosystem Services as Nature's Workfare*.
8:20 Corin De Freitas*, University of British Columbia, *The ("Existential") Crisis of Governance in the São Francisco River Basin*.
8:40 Sarah Kelly-Richards*, School of Geography and Development, University of Arizona, *Water access and state assemblages in the colonia of Colosio*.
9:00 Noah Theriault*, University of Wisconsin-Madison, *The Dreams of Others: Ethics, Difference, and the Dream-life of Environmental Government*.
 Discussant(s): Jennifer Rice, The University of Georgia
- 3159. Megaregions 1: Structures, Functions, Patterns (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**
Room: *Olvera, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): John Harrison, Loughborough University; Michael Hoyler, Loughborough University
 CHAIR(S): John Harrison, Loughborough University
 Introducer: John Harrison
8:10 John Harrison, Loughborough University; Michael Hoyler*, Loughborough University, *Governing the New Metropolis*.
8:30 Catherine L. Ross, Ph.D.*, Center for Quality Growth and Regional Development, *Exploring the Structure and Function of the Megaregion*.
8:50 Markus Hesse*, University of Luxembourg, *'Mega-urban regions - Epistemology, discourse patterns, big urban business'*.
 Discussant(s): David Wachsmuth, New York University
- 3160. Geographies of Encounter 1: Identities, mobilities and solidarities**
Room: *Olympic, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): Helen F. Wilson, University of Manchester; Nick Schuermans
 CHAIR(S): Helen F. Wilson, University of Manchester
8:00 Nick Schuermans, PhD*, KULeuven & UA; Maarten Loopmans, Prof., KULeuven; Stijn Oosterlynck, Prof., Universiteit Antwerpen, *From spaces of encounter to spaces of solidarity: Three gaps in the geographies of encounter literature*.
8:20 Mónica Farias, MA*, University of Washington, *Envisioning alternative political futures: Neighborhood Assemblies in Buenos Aires*.
8:40 Bradley Gardener*, CUNY - Queens College, *White Identity, the Encounter, and the Spatial Imaginary: The Racialized Geographies of Jews in the Bronx, NY*.
9:00 Anna Gawlewicz*, University of Sheffield, *From 'I became a racist when I came to England' to 'For sure, I'm more open on people now': The effects of migrant encounters with difference and the transmission of values and attitudes*.

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- 3161. Causes and consequences of the upscaling of urban systems (1) (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**
Room: Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Michiel Van Meeteren, Ghent University
 CHAIR(S): Ben Derudder, Ghent University
8:00 Marloes Hoogerbrugge*, Delft University of Technology; Evert Meijers, Delft University of Technology; Koen Hollander, European Metropolitan network Institute, *Does summing small cities make a metropolis? An exploration of the process of metropolisation in European polycentric metropolitan areas.*
8:20 Michiel Van Meeteren, Ghent University; Ate Poorthuis, University of Kentucky; Ben Derudder, Ghent University; Frank J Witlox*, Ghent University, *Pacifying Babel's Tower: Using scientometric analysis to de-stretch the concept of polycentrism.*
8:40 Nadia Alaily-Mattar*, Munich University of Technology; Michael Bentlage, Munich University of Technology; Christian Schwander, Staatliche Akademie der Bildenden Künste Stuttgart; Alain Thierstein, Prof. Dr., Munich University of Technology, *From Central business districts to polycentric metropolitan regions: On interlocking firm networks of the knowledge economy and their interrelation with spatial restructuring.*
9:00 Michiel van Meeteren*, Ghent University; Kobe Boussauw, Ghent University; Ben Derudder, Ghent University; Frank Witlox, Ghent University, *A reappraisal of the urban systems literature to understand contemporary metropolitanization.*
 Discussant(s): Frank Van Oort, Utrecht University
- 3162. Hazards, Risks, and Disasters Specialty Group Session: Awareness, Planning, and Decision Making (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Ronald R Hagelman III, Texas State University
 CHAIR(S): Deborah Thomas, University of Colorado Denver
8:00 Burrell Montz*, East Carolina University; Christine Gares, East Carolina University, *Why Didn't Anybody Tell Me We Were in the Floodplain?*
8:20 Rebecca Hoffman*, Kent State University, *"To the Southwest Corner!" Tornado Myths and Socio-Demographic Factors.*
8:40 Amber Silver*, University of Waterloo; Jean Andrey, University of Waterloo, *Factors influencing individuals' self-protective behaviours during the August 21st, 2011 Goderich, Ontario tornado.*
9:00 James K. Mitchell, Professor. Ph.D.*, Rutgers University, *Hazards and Heritage: Prospects for Partnership.*
9:20 Deborah Thomas*, University of Colorado Denver; Olga Wilhelmi, Integrated Science Program/Research Applications Laboratory, NCAR; Taryn Finnessey, Colorado Water Conservation Board, *Drought Assessment for Recreation & Tourism in Southwestern Colorado.*
- 3163. Author Meets Critics: Reece Jones, "Border Walls" (Sponsored by Political Geography Specialty Group, Borders)**
Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Panel Session)
 ORGANIZER(S): Corey Johnson, University of North Carolina - Greensboro
 CHAIR(S): Corey Johnson, University of North Carolina - Greensboro
 Panelists: Gary Fields, University of California - San Diego; Simon Dalby, Carleton University; Rupal Oza, Hunter College, CUNY; Juanita Sundberg, University of British Columbia; Reece Jones, University of Hawaii at Manoa
- 3164. Carceral Geography: Debates, Developments and Directions I (Sponsored by Cultural Geography Specialty Group)**
Room: Pico, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Dominique Moran, University of Birmingham; Shaul Cohen, University of Oregon
 CHAIR(S): Dominique Moran, University of Birmingham
8:00 Anna Schliehe*, University of Glasgow, *'It rips my knittin' - The nature and experience of spaces of confinement for girls and young women in Scotland.*
8:20 Elizabeth Brown*, San Francisco State University, *Carceral geographies from the body to the nation: The 'will to change', and the spatial regulation of incarcerated youth.*
8:40 Julie de Dardel*, University of Neuchatel, *Mobile Prison Policies: Prisons as Global Forms in the Age of Mass Incarceration.*
9:00 William Damon*, Simon Fraser University, *Community Control Outside the City: Area Restrictions and Conditional Release in B.C.'s Interior.*
- 3170. Migration and Immigration: Money, Identity, and Space**
Room: Athenian, Biltmore, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Amy Owen, University of Guam
8:00 Luis Sanchez-Ayala*, Universidad de los Andes, *Determined to stay: deterritorialization, resistance and identity.*
8:20 Olof Stjernström, PhD*, Umea University, *Migration behaviour among separated parents.*
8:40 Shimantini Shome, PhD*, *Strategizing Remittances within households and across continents.*
9:00 Amy Owen, PhD*, University of Guam, *Culture Change Patterns in Guam - Do Results Signal a Unifying Perception Field?*
9:20 Gloriana Sojo Lara*, The George Washington University, *The Motivations and Impacts Behind Infrastructure Development Projects in The Costa Rica- Nicaragua Border Region.*
- 3171. Landscapes of infrastructure: relational place-making and sociotechnical systems (1)**
Room: Bernard's, Biltmore, Lobby Level (Paper Session)
 ORGANIZER(S): Mattias Qvistrom, Swedish Univ of Agricultural Sciences; Greet De Block, University of Leuven
 CHAIR(S): Greet De Block, University of Leuven
8:00 Marcel Smets, Prof.em.*, University of Leuven; IVM Scientific and Strategy Committee, *Revisiting the 'Passage'.*
8:20 Mattias Qvistrom*, Swedish Univ of Agricultural Sciences, *Network ruins and messy infrastructures: searching for a relational understanding of peri-urban landscapes.*
8:40 Brian Rosa*, University of Manchester, *Beneath the Arches: Re-appropriating the Residual Space of Infrastructure in Manchester.*
9:00 Andrew Harris*, University College London, *Visible infrastructure: political landscapes of transport in urban India.*
9:20 Greet De Block, Ph.D.*, University of Leuven, *Engineering the territory: Tracing sociospatial aspirations within Belgian infrastructure planning, 1830-2012.*
- 3172. Well-being and place**
Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)
 ORGANIZER(S): Mikko Weckroth, University of Helsinki
 CHAIR(S): Mikko Weckroth, University of Helsinki
 Introducer: Mikko Weckroth
8:10 Rachel E Chapman*, University of Western Australia; Paul Plummer, University of Western Australia; Matthew Tonts, University of Western Australia, *The Dynamics of Socio-economic Wellbeing and Resource*

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Dependency: Western Australian Mining Towns, 2001-2011.

8:30 Amit Birenboim*, The Hebrew University of Jerusalem; Noam Shoval, The Hebrew University of Jerusalem, *A Smart(Phone) Exploration of Subjective Attitudes Toward the Environment.*

8:50 Mikko Weckroth*, University of Helsinki, *Subjective Wellbeing and Happiness Inside a City Region - Urban Villages and Gated Communities.*

9:10 Ann Hockey*, Anglia Ruskin University, *Ageing Populations in the United Kingdom: The Response from the Spatial Planning System.*

3173. Queer(ing) Geographies I: Urban spaces (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: *Corinthian, Biltmore, Mezzanine Level* (Paper Session)
ORGANIZER(S): Sean Wang, Syracuse University; Emily Mitchell-Eaton, Syracuse University

CHAIR(S): Emily Mitchell-Eaton, Syracuse University
Introducer: Emily Mitchell-Eaton

8:08 Christopher Smith*, OISE / University of Toronto; Christopher G Smith, PhD Candidate, OISE / University of Toronto - Dept. of Humanities, Social Sciences, and Social Justice Education, (Un) *Settling The "Queer Urban" | Enacting Black Queer Geographies in Toronto.*

8:26 Charlotte Prieur*, Paris-Sorbonne University, *Queer places: emancipation under Control? A comparison between Paris and Montreal.*

8:44 Marianne Blidon*, Paris 1 University, *Queering the geography of the old arab immigrants in Paris. Scientific issues, political issues.*

9:02 Derek Ruez*, University of Kentucky, *"Pride in Colour": Sexual citizenship and local government multiculturalism in Sydney.*

Discussant(s): John Paul Catungal, University of Toronto

3174. Contested landscapes and Indigenous Peoples: Knowledge, Territory, and Sovereignty

Room: *Corsican, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Hekia Bodwitch, UC Berkeley
CHAIR(S): Sharon Fuller, University of California Berkeley

8:00 Sibyl Diver*, University of California - Berkeley, *Indigenous articulations: Shifting access to forest resources in British Columbia, Canada.*

8:20 Hekia Bodwitch*, UC Berkeley, *Performing knowledge and controlling territory in Aotearoa/New Zealand.*

8:40 Daniel Sarna-Wojcicki*, University of California, Berkeley, *Watershed Democracy, Territory and Sovereignty in the Klamath Basin.*

3175. Remote Sensing and Change Analysis

Room: *Florentine, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee
CHAIR(S): Yong Tian, Central Michigan University

8:00 Xuebin Yang*, The University of Texas at Austin; Kelley A. Crews, The University of Texas at Austin, *Object- vs. pixel-based classification of IKONOS imagery: land cover change in Okavango Delta, Botswana between 2003 and 2011.*

8:20 Haixia Liu*, Department of Geography, The Ohio State University; Desheng Liu, Department of Geography, The Ohio State University, *Scale-Invariance Study of Remotely Sensed Vegetation Indices.*

8:40 Xiaoyun Huang*, Beijing Normal University; Degen Lin; Jing'ai Wang; Chunqin Zhang, *NPP spatio-temporal change analysis on the South Karst region in China under the background of Climate warming.*

9:00 Ashley Blunden, Dept. of Geography, Central Michigan

University; Yong Q Tian*, Institute for Great Lakes Research, Central Michigan University, *Associate DOC leaching with soil carbon stocks in response to climate change.*

3176. Environmental Characterization and Impact

Room: *Grecian, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Joseph T Zume, Shippensburg University

8:00 Lauren A. Stachowiak, M.E.S.*, University of Pennsylvania; Frederick N. Scatena, Professor of Earth and Environmental Science, University of Pennsylvania, *An Investigation of the Influences of Bedrock Lithology and Vegetation on Low-Order Stream Frequency in the Luquillo Mountains, Puerto Rico.*

8:20 Vicki G. Drake, MA, Geography*, Santa Monica College; Donald F Argus, PhD, Jet Propulsion Laboratory, Pasadena, California; Ivan Rodriguez-Pinto, BS, Santa Monica College, *Establishing a correlation between local surface deformation and changing groundwater levels in Santa Ana Aquifer, Los Angeles and Orange Counties, southern California.*

8:40 Christopher Woltemade*, Shippensburg University, *Hydrologic Effects of Quarry Pumping Discharge in a Small Karst Watershed.*

9:00 R Jason Lenz, MES*, Creek Run L.L.C. Environmental Engineering; Stephanie M Bragg, GIT, Creek Run L.L.C. Environmental Engineering, *Restoration of contaminated soil and groundwater at a historical bulk plant..*

9:20 Joseph T Zume*, Shippensburg University; Luke Ohlinger, M.S Student, Shippensburg University of Pennsylvania, *Using Near-Surface Geophysics to Image a Closed Landfill Site at Letterkenny Army Depot near Chambersburg, Pennsylvania.*

3177. Land Systems Science Symposium: Analysis and Modeling of Change I (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: *Heinsbergen, Biltmore, Lobby Level* (Paper Session)

ORGANIZER(S): Richard Aspinall

CHAIR(S): Dawn Parker, University of Waterloo

8:00 Erle C. Ellis*, University of Maryland - Baltimore County, *New Collaborative Tools for Global Synthesis of Local Studies of Land Change.*

8:20 Alex I. Zvoleff*, San Diego State University; Li An, Ph.D., San Diego State University, *Modeling feedbacks between human decision-making, community context, and land-use change.*

8:40 Burak Guneralp*, Texas A&M University; Karen C Seto, Yale University, *Probabilistic Forecasts of Global Urban Expansion for 2030 and Implications for Biodiversity.*

9:00 Gabriela Vaz Rodrigues*, University of Maryland College Park; Klaus Hubacek, Professor, University of Maryland College Park; Julie A. Silva, Assistant Prof., University of Maryland-College park, *Conceptualizing land tenure and its relationships with land cover and land use.*

9:20 Nicholas Magliocca, M.E.M.*, Department of Geography and Environmental Systems, University of Maryland, Baltimore County; Daniel G Brown, Ph.D., School of Natural Resources, University of Michigan; Erle C Ellis, Ph.D., Department of Geography and Environmental Systems, University of Maryland, Baltimore County, *Comparing land-use decision-making across land-use systems.*

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3178. International Migration

Room: *Mediterranean, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Eva Janska

8:00 Claudia C Rios*, Catholic University of Minas Gerais;
Joao F Abreu, Catholic University of Minas Gerais;
Alexandre M Diniz, Catholic University of Minas
Gerais, *Mapping Migration Flows in Brazil Using data
of 2000/2010.*

8:20 Ian Yeboah*, Miami University, *Migration, Remittances
and Development of Source Places: Ghana.*

8:40 Kosita Butratana*, University of Vienna, *The Migration of
Thai Women to Austria.*

9:00 Shangyi Zhou*, Beijing Normal University; Shangyi Zhou,
Dr., Beijing Normal University, *Front stage and back
stage: the integration into Beijing's society of migrant
workers.*

9:20 Eva Janska, Ph.D.*, Faculty of Science, Charles University
in Prague; Zdenek Cermak, Prof., Charles University,
faculty of Science, *The Changing Concentrations of
the Foreign Born in the Czech Republic: Immigration
and Internal Migration Compared.*

3179. Exploring American Landscapes (Sponsored by Landscape Specialty Group)

Room: *Moroccan, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Ellen Hostetter, University of Central Arkansas

CHAIR(S): Ellen Hostetter, University of Central Arkansas

8:00 David Zurick*, Eastern Kentucky University, *Southern
Crossings: Where Photography and Geography Meet.*

8:20 Ellen Hostetter*, University of Central Arkansas,
Landscape Mismatch.

8:40 Lisa Brownell, PhD*, *"Dutch Double" Houses and the
Value of Authenticity.*

9:00 Linnea C Sando*, Montana State University, *Discovering
Sheep Country in Sweet Grass County, Montana.*

9:20 Marcos Luna, PhD*, Salem State University, *The
Geography of Seasonal Symbols in America.*

3180. Liminal Geographies

Room: *Roman, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Logan Hennessy, San Francisco State
University, Liberal Studies Program; Katherine
MacDonald, York University

CHAIR(S): Logan Hennessy, San Francisco State University,
Liberal Studies Program

8:00 Logan Hennessy*, San Francisco State University, Liberal
Studies Program; Katherine MacDonald, Dept. of
Geography, York University, *In-between everything:
geographic dimensions of liminality.*

8:20 Emma Slager*, University of Oregon, *Niche tourism, urban
redevelopment, and the representation of industrial
decline in Detroit.*

8:40 Lerna Yanik*, Kadir Has University, *Economic Matters,
Geopolitical Outcomes? Linking Politics of Place and
Time with Development.*

9:00 Russell Fielding*, The University of Denver, *The Liminal
Coastline in the Life of a Whale: Transition, Identity,
and Contested Food-Production in the Eastern
Caribbean.*

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- 3201. Geographies of Hope Symposium 5: Gaining Ground? Geographies of Viable, Equitable Agricultures (& the seeds thereof) (Sponsored by Human Rights and Justice Specialty Group, Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Indigenous Peoples Specialty Group, Geographies of Food and Agriculture Specialty Group)**

Room: Beaudry A, Westin, Lobby Level (Panel Session)

ORGANIZER(S): T. Garrett Graddy, American University School of International Service

CHAIR(S): T. Garrett Graddy, American University School of International Service

Panelists: Priscilla McCutcheon, University of Connecticut; Lakshman Yapa, Pennsylvania State; Karl Zimmerer, Pennsylvania State University; Catarina Passidomo, University of Georgia; Ryan E. Galt, University of California, Davis; Katharine Bradley

- 3202. Economic Geography VI - EEG: Path Development, Dependency, and Destruction (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)**

Room: Beaudry B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Dieter F. Kogler, University College Dublin; Helen Lawton Smith, Birkbeck University of London

CHAIR(S): David Rigby, University of California, Los Angeles (UCLA)

10:00 Maureen McKelvey*, Institute for Innovation and Entrepreneurship, University of Gothenburg; Daniel Ljungberg, Institute for Innovation and Entrepreneurship, University of Gothenburg; Evangelos Bourellos, Institute for Innovation and Entrepreneurship, University of Gothenburg, *Overcoming local search through university-industry interaction: Academic inventors and the search for (exploratory) innovations.*

10:20 James Simmie, Department of Planning, Oxford Brookes University, UK; Rolf Sternberg, Institute of Economic and Cultural Geography, Leibniz Universität Hannover, Germany; Juliet Carpenter*, L'Institut d'Urbanisme de Lyon, Université de Lyon 2, France, *New Technological Path Creation: Evidence from the British and German Wind Energy Industries from the Perspective of Evolutionary Economic Geography.*

10:40 Bjorn Asheim*, Circle, Lund University, *Path development and the organizational and spatial structure of R&D institutions: A comparison between Norway and Sweden.*

11:00 Gregory M. Spencer*, University of Toronto; Dieter F. Kogler, University College Dublin, *Anchors Away! The evolution of an ICT cluster after the sinking of its flagship company.*

Discussant(s): Maryann Feldman

- 3203. Contesting Models of Ecological Urban Living: Eco-cities and Beyond II Local Variations (Sponsored by Cultural and Political Ecology Specialty Group, Global Urbanization, Urban Geography Specialty Group)**

Room: La Brea, Westin, Lobby Level (Paper Session)

ORGANIZER(S): I-Chun Catherine Chang, University of Minnesota; Elizabeth Rapoport

CHAIR(S): Federico Cugurullo, Kings College London

10:00 I-Chun Catherine Chang*, University of Minnesota, *Constructing Chinese Ecological Urbanization Models.*

10:20 Alana Boland*, University of Toronto, *Making and measuring greener cities in China, 1990-2010.*

10:40 Yu Zhou*, Vassar College, *Green Building: logics of development or sustainability?.*

11:00 Elanor Warwick*, PhD Student, Cities Group, King's College London, *The UK Eco-town experience: A tortuous route from policy vision to practical reality..*

11:20 V. Kelly Turner*, Arizona State University, *Institutions for decision-making and management in sustainable master planned developments.*

- 3204. Beyond gentrification: the middle classes and the city (session 2) (Sponsored by Global Urbanization)**

Room: La Cienega, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Gary Bridge, University of Bristol; Marie-Hélène Bacqué, mosaïques umr cnrs lavue 7218

CHAIR(S): Eric Charmes, UMR EVS-RIVES, University of Lyon (ENTPE)

10:00 Emma Jackson*, University of Glasgow; Lydie Launay*, mosaïques umr cnrs lavue 7218, *Lived space, social mix and the practices of neighbourhood: the middle classes and the city in Paris and London.*

10:20 Maria-Luisa Mendez*, Universidad Diego Portales, *Authenticity claims and the politics of urban inequality: middle class place making.*

10:40 Michaela Benson*, University of York; Eric Charmes, UMR EVS-RIVES, University of Lyon (ENTPE), *Changing places in Paris and London: middle-class residents, controlling space, and place trajectories.*

11:00 Roger J Burrows, Prof*, CUCR, Goldsmiths, University of London; Rowland Atkinson, Dr, Dept of Sociology, University of York; Richard Webber, Prof, Visiting Prof, KCL, University of London; Tim Butler, Prof, Dept of Geography, KCL, University of London; Caroline Knowles, Prof, CUCR, Goldsmiths, University of London; Mike Savage, Prof, Dept of Sociology, LSE, University of London, *Mapping the 'Alpha Territory': The Geodemographics of the 'Super Rich' in London.*

Discussant(s): Setha Low

- 3205. Braceros II: Author Meets Critics: Don Mitchell's "They Saved the Crops: Labor, Landscape, and the Struggle Over Industrial Farming in Bracero-Era California" (Sponsored by Socialist and Critical Geography Specialty Group, Historical Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)**

Room: Los Cerritos, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Ben Gerlofs; Don Mitchell, Syracuse University

CHAIR(S): Ben Gerlofs

Discussant(s): Don Mitchell, Syracuse University; Julie Guthman, Univ of California Santa Cruz

Panelists: Sandra Brown, UC Berkeley; George Henderson, University of Minnesota; Gilbert Gonzalez

- 3206. Violence and Space IV - (In)Securities and Borderlands (Sponsored by Political Geography Specialty Group)**

Room: Los Feliz, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Philippe Le Billon, University of British Columbia; Simon Springer, University of Victoria

CHAIR(S): Philippe Le Billon, University of British Columbia

10:00 Janie Leatherman*, Fairfield University; Janie L. Leatherman, Professor, Fairfield University, *Finding Safe Space in the Warzone of the US/Mexican Border: The Kino Border Initiative.*

10:18 Yonique Campbell*, University of Oxford, *We've Lost our Order': Exploring Violence and Order within highly Politicised and Borderline Spaces.*

10:36 Caitriona Dowd*, Trinity College Dublin, *Islamist Militias and Rebel Groups across Africa.*

10:54 Rupal Oza*, Hunter College, CUNY, *Justifying Drones: Law, Gender, and Geography.*

11:12 Patricia Daley*, University of Oxford, *Understanding localized and gender-based violence in Central Africa:*

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beyond the liberal peace.

3207. Advances and Challenges in Digital Elevation Models II (Coastal) (Sponsored by Coastal and Marine Specialty Group, Spatial Analysis and Modeling Specialty Group, Geomorphology Specialty Group)

Room: Palos Verdes, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Barry Eakins, University of Colorado; Jeffrey J. Danielson, United States Geological Survey
CHAIR(S): John Brock, USGS
Introducer: John Brock

10:00 Amar Nayegandhi*, Dewberry, *Merging LiDAR and acoustic data along coastal California.*

10:20 Jeffrey J. Danielson*, United States Geological Survey; Dean Tyler*, United States Geological Survey; John C Brock, United States Geological Survey, *Creation of a Topobathymetric Elevation Model for San Francisco Bay Using Improved Geospatial Methods.*

10:40 Stephan O'Brien*, The University of Southern Mississippi; David Dodd, PhD, The University of Southern Mississippi; James Davis, The University of Southern Mississippi; Jerry D. Wiggert, PhD, The University of Southern Mississippi, *Development of a Dynamic Digital Elevation Model in the Gulf of Mexico.*

11:00 Monica Palaseanu-Lovejoy*, USGS, EGSC Reston, VA; John Barras, USGS, SPCMSC Louisiana CPRA Colocation Office, *Defining Levee Geometric Metrics from High Resolution Airborne Lidar Topography in South Louisiana.*

11:20 John Barras*, U.S. Geological Survey, St. Petersburg Coastal and Marine Science Center, St. Petersburg, FL, USA; John Brock, U.S. Geological Survey, Coastal and Marine Geology Program, Reston, VA, USA; Monica Palaseanu-Lovejoy, U.S. Geological Survey, Eastern Geographic Science Center, Reston, VA, USA; Cindy Thatcher, U.S. Geological Survey, Eastern Geographic Science Center, Reston, VA, USA; Jeffery Danielson, U.S. Geological Survey, EROS Center, Sioux Falls, SD, USA; Dean Gesch, U.S. Geological Survey, EROS Center, Sioux Falls, SD, USA, *Airborne and Terrestrial Lidar Collaboration for Improving Topo-bathymetric Mapping in Coastal Louisiana.*

3208. Suburban Dreamscape to Suburban Nightmare? VI Neo-suburbanism: (Dis)Order, Renewal and Transformation (Sponsored by Urban Geography Specialty Group)

Room: San Bernardino, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Paul J Maginn, University of Western Australia
CHAIR(S): Paul J Maginn, University of Western Australia

10:00 Markus Moos*, University of Waterloo, *Changing metropolitan economies and suburban housing market transitions.*

10:20 Diana Maldonado, Ph.D*, Universidad Autónoma de Nuevo León; Fernando Luiz Lara, Ph.D, The University of Texas at Austin, *Reinterpreting the "Peripheral" Urbanization in Latin America: An Approach to Everyday Life Geography.*

10:40 Arturo Lanzani, Politecnico di Milano; Federico Zanfi*, Politecnico di Milano, *The 'città diffusa' in contemporary Italy. Types of spaces, symptoms of change and evolution perspectives within the crisis.*

11:00 Mats Stjernberg*, University of Helsinki, *Concrete suburbia - a socio-economic analysis of suburban housing estates in Finland.*

11:20 Jorge Goncalves*, Instituto Superior Tecnico, *Starting Over: Searching a new role for old suburbs of Lisbon.*

3209. Spatial and Spatio-Temporal Data Mining & Visualization (5): Movement Pattern Analysis (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

Room: San Fernando, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Diansheng Guo, University of South Carolina; Jennifer Miller, University of Texas at Austin

CHAIR(S): Jennifer Miller, University of Texas at Austin

10:00 Jennifer A Miller*, University of Texas at Austin, *A framework for analyzing dynamic interactions (between animals): a case study using brown hyenas in Botswana.*

10:20 Patrick Laube*, University of Zurich, *Introducing Computational Movement Analysis.*

10:40 Somayeh Dodge*, The Ohio State University; Gil Bohrer, The Ohio State University; Rolf Weinzierl, Max Planck Institute for Ornithology, Germany; Sarah C Davidson, Max Planck Institute for Ornithology, Germany; Martin Wikelski, Max Planck Institute for Ornithology, Germany; Roland Kays, North Carolina Museum of Natural History, *Exploring Animal Movement Patterns in Response to Environmental Change.*

11:00 Mike Evans, University of Minnesota; Francis Harvey*, University of Minnesota - Minneapolis, *Reliable Determination of Commonly Used Transportation Routes: Introducing the k-Primary Corridors Approach.*

11:20 Hyowon Ban*, California State University, Long Beach, *Motion analyses and visualization of dances.*

3210. Spatiotemporal Thinking, Computing and Applications 2: Thinking (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: San Gabriel A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Chaowei Yang, George Mason University; Keith Clarke, University of California, Santa Barbara

CHAIR(S): Ronald Eastman, Clark University

10:00 Ona Strikas*, Florida State University; James B Elsner, Florida State University, *The Influence of Coal Plants and Highways on Cloud-to-Ground Lightning Frequency.*

10:20 Xuwei Chen*, Northern Illinois University; Richard Greene*, Northern Illinois University, *The Spatial-Temporal Dynamics of China's Changing Urban Hierarchy: 1950-2005.*

10:40 Yijie Chen*, University of Georgia; Lan Mu, University of Georgia, *A Spatiotemporal Analysis of Birth Weight and Heat Stress in Georgia.*

11:00 Sam Copeland*, SUNY Buffalo, *Social Network Measures for Modeling Spatio-temporally Dynamic Disease Diffusion.*

11:20 Weining Zhu*, Central Michigan University, *Spatial Chromatic Model: Understanding Space In An Object-Oriented Manner.*

3211. Interracial Dynamics in Urban Agriculture or (How) Race Matters in Urban Agriculture Part II (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice, Geographies of Food and Agriculture Specialty Group)

Room: San Gabriel B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Alison Hope Alkon, University of the Pacific; Julian Agyeman, Tufts University

CHAIR(S): Julian Agyeman, Tufts University

Introducer: Julian Agyeman

10:05 Allyson Baughman*, Russ Lopez, ScD, Northeastern University, *Does Urban Agriculture meet the livelihood needs of low-income residents of color? An examination using the Sustainable Livelihood Approach..*

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- 10:25** Elizabeth Hill*, University of Maryland Extension, *Racial and Socioeconomic Influences on Urban Agriculture Training Needs*.
- 10:45** Rasheed Hislop*, University of California Davis, *Food Justice Organizations in the U.S.: What is the What?*.
- 11:05** Rachel Berndtson*, Department of Geographical Sciences, University of Maryland, *Sustainable agriculture in the Jewish community: A Baltimore, Maryland case study*.
- 11:25** Daniel Block*, Chicago State University; Nadya Engler, DePaul University, *Race, Community Geography, and the Development of an Urban Agriculture Curriculum and Community Partnerships at a Predominately African-American University*.
- 3212. International Encyclopedia of Geography Editorial Meeting**
Room: *San Gabriel C, Westin, Lobby Level* (Panel Session)
This session is a continuation of the previous timeslot, 3112.
- 3217. CyberGIS Symposium: Technologies and Social Dimensions (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: *Santa Barbara A, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign
CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign
10:00 John Owens*, Chicago State University Geography Department, *Evaluating Chicago's Open Data Initiatives*.
10:20 Mary J Roderick, PhD Candidate*, University of Washington; Timothy L Nyerges, PhD, University of Washington, *Participatory CyberGIS: Design and Implementation of Structured Participation Methods for Collaborative Problem Solving*.
- 3218. Gail Hobbs Student Paper Competition 1 (Sponsored by Geography Education Specialty Group)**
Room: *Santa Barbara B, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Herschel Stern, Miracosta College
CHAIR(S): Herschel Stern, Miracosta College
10:00 Kanika Verma*, Texas State University, *Geospatial Skills of Undergraduate Students: An Exploratory Pilot Study*.
10:20 Carmen Brysch*, Texas State University-San Marcos, *Is Geography Helping to Develop Informed Citizens? A Case Study in Texas...*.
10:40 Cynthia S Paloma*, San Diego State University, *Developing a Collaborative Multimedia Learning Platform for GIScience Education: A Case Study in Designing an Interactive Textbook for iPad*.
11:00 Michael Scholz*, Texas State University, *APHG: Impacts on Interest in Geography, Choice of Major and Career Development*.
Discussant(s): Herschel Stern, Miracosta College
- 3219. Urban Development and Land Policy (Sponsored by Symposium on New Geographies of Urban China)**
Room: *Santa Barbara C, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Chun Zhang, Peking University
CHAIR(S): Chun Zhang, Peking University
10:00 Hui-na Gao*, Urban and Environmental Science College, Peking University, China; Wen-Xin Hao, China National Coal Group, Beijing, China, *Study on the Degree of Urban Land Intensive Utilization in the Pearl River Delta*.
10:20 Yan Yan*, Joyce Yanyun Man, *Land Leasing and Economic Growth in China*.
10:40 Tianming Chen*, Peking University - Lincoln Institute; Weiwei Cao, State Power Economic Research Institute, *Quantifying dynamic urban forms of metropolitan Beijing by spatiotemporal metrics*.
- 11:00** Chun Zhang*, Peking University-Lincoln Institute Center for Urban Development and Land Policy, Peking University; Tong Zheng, China Academy of Urban Planning and Design; Joyce Man, Peking University-Lincoln Institute Center for Urban Development and Land Policy; Tao Jin, Peking University-Lincoln Institute Center for Urban Development and Land Policy, *Study on Job Accessibility for the Urban Low-income: Case Study of Beijing*.
- 3220. Urban Geography Plenary Lecture: Susan Ruddick, "The City as Synchronous Object: Urbanamalia in the Anthropocene" (Sponsored by Urban Geography Specialty Group)**
Room: *Sacramento, Westin, Level 2* (Paper Session)
ORGANIZER(S): Robert W Lake, Rutgers University; Kevin Ward, University of Manchester
CHAIR(S): Robert W Lake, Rutgers University
Introducer: Kevin Ward
Introducer: Robert W Lake
10:40 Susan Ruddick*, University of Toronto, *The City as Synchronous Object: Urbanamalia in the Anthropocene*.
Discussant(s): Jamie Lorimer, Kings College London; John Paul Jones, University of Arizona
- 3221. Biogeography**
Room: *San Diego, Westin, Level 2* (Poster Session)
ORGANIZER(S): Program Committee
Dianna A Gielstra, University of Phoenix; John D Waldron*, University of West Florida; Lynn M Resler, Virginia Polytechnic Institute and State University, *Tree-Soil Relationships in Subalpine Meadows, Glacier National Park, Montana*.
John J Naylor*, Brigham Young University; Matthew F Bekker, Dr, Brigham Young University, *William Hawk's Cabin: Dendroarchaeology and the Human History of Utah*.
Michael Steinberg*, University of Alabama, *Red-Cockaded Woodpeckers in the Talladega National Forest: Influence of Past Stand Composition and Structure on Present-Day Management Decisions*.
Alex W Dye*, Henri D. Grissino-Mayer, *Stand Dynamics and Fire History of a Southern Appalachian Pine-Hardwood forest on Rainy Mountain, Chattahoochee National Forest, Georgia*.
Georgina DeWeese*, University of West Georgia; Lisa LaForest, Mississippi State Community College; Serena Aldrich, Blinn College; Henri Grissino-Mayer, University of Tennessee, Knoxville; Charles Lafon, Texas A&M University, *Reconstructing Fire-Climate Relationships in the Yellow Pine Stands of the Southern and Central Appalachian Mountains, U.S.A.*.
Tamara G Cox*, Central Washington University; Megan K Walsh, PhD, Central Washington University, *The role of fire in the persistence of montane meadow environments in the Willamette National Forest, Oregon*.
Kevin C Haydon*, Central Washington University; Megan K Walsh, PhD, Central Washington University, *Analysis of Past and Current Wildfire Trends in the Sinlahekin Wildlife Area, Washington, Using GIS and Paleoecological Methods*.
Barbara A. Holzman, PhD*, San Francisco State University; Daniel Adams, San Francisco State University; James T. Shelton, San Francisco State University, *Mapping the Vegetation of the SE Farallon Island, San Francisco, CA*.
Jennifer Kusler, United States Geological Survey; Scott Starratt*, United States Geological Survey, *Biogenic Silica as a Tool for Paleolimnological Analysis Across North America*.

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- Kimberly Arellano, California State University, Northridge; Danielle Semkiw, Northern Illinois University; David Goldblum*, Northern Illinois University, *Using tree rings to evaluate the impact of management on an Illinois oak savanna and forest.*
- Erika Y Chin*, SUNY New Paltz, *Distribution and Spread of the Invasive Species Garlic Mustard (*Alliaria petiolata*) in Binghamton, NY.*
- Merrit M. Cowden*, University of Alabama; Justin Hart, University of Alabama, *Comparisons of canopy accession strategies and climate responses of three *Carya* species common in the Eastern Deciduous Forest.*
- James Dyer*, Ohio University, *A GIS-Based Water Balance Tool to Quantify Ecological Variation in Complex Terrain.*
- Lisa M. Kennedy, PhD*, Virginia Tech; Haitao Wang, PhD student, Virginia Tech; Alexander Silvis, PhD student, Virginia Tech; Justin H. White, MS, Virginia Tech; Daniel M. Sumner, MS student, Virginia Tech, *Soil Depth-Vegetation Relationships in a High-Elevation Forest-Grassland Community on Buffalo Mountain, Virginia.*
- Michael Henkin*, Miami University, *A Biophysical Analysis of Diversity Patterns at Mt. Kasigau, Kenya.*
- James P. Doerner*, University of Northern Colorado; David M. Diggs, University of Northern Colorado; Robert H. Brunswig, University of Northern Colorado; Mollie R. Doerner, University of Denver, *High Altitude Paleocology of Forest Canyon Pass, Rocky Mountain National Park, Colorado, USA.*
- Stephanie Freund*, Virginia Tech; Lynn Resler, Virginia Tech, *Insular ecosystems of the southern Appalachian Mountains.*
- Shannon R McCarragher*, Northern Illinois University; Lesley S Rigg, Northern Illinois University; David Goldblum, Northern Illinois University, *The Effects of Encroachment on Light Environments and White Oak Seedlings in Midwestern Oak Savannas.*
- Chelsea M Decker*, Brigham Young University; Nathan S Gill, Brigham Young University; Matthew F Bekker, Brigham Young University, *Correlation Between Streamflow Records in the Southern Wasatch Front, Utah and Regional Tree-ring Chronologies.*
- Paul Knapp*, University of North Carolina Greensboro; Peter Soule*, Appalachian State University; Justin Maxwell, Indiana University, *Growth Rate Divergence Between Mountain Pine Beetle-Infested and Healthy Ponderosa Pine in Montana Prior to Outbreak.*
- Megan L. Buchanan*, University of Minnesota; Justin L. Hart, University of Alabama; Stacy L. Clark, Southern Research Station, USDA Forest Service; Scott J. Torreano, University of the South, *Climate-growth and climate-establishment relationships in oak and maple species: Implications for forest composition and structure in a changing climate.*
- Joanne P Ballard*, University of Tennessee; Zheng-Hua Li, University of Alabama-Huntsville; Chad S Lane, University of North Carolina-Wilmington; Sally P Horn, University of Tennessee; Mathew S Boehm, University of Tennessee; David S Leigh, University of Georgia, *Stable Isotope Analyses of Sediments from Southeastern U.S. Wetlands Indicate Significant Hydroclimate Shifts From the Late Quaternary to the Holocene.*
- A. Keelin Billue*, University of Alabama; Justin Hart, University of Alabama, *Challenges Creating, Managing, and Analyzing a Database for Coarse Filter Conservation Planning in a Dynamic World.*
- John Eads*, University of Tennessee; Matthew J Valente, University of Tennessee; Sally P Horn, University of Tennessee; Thomas A Minckley, University of Wyoming, *A high-resolution record of Latest Holocene marsh fires from Cuatro Ciénegas, Mexico.*
- Chuanyan Zhao*, Lanzhou university; Zhongren Nan, Lanzhou university; Xianglin Zheng, Lanzhou university, *Soil CO₂ efflux along an elevation gradient in Qinghai spruce forests, northwest China.*
- Kimball G. Hansen*, *Geomorphic Mapping and In-situ Analysis of Avalanches on Loafer Mountain.*
- Batoul Damghani*, Auburn University; Luke J Marzen, Auburn University; Nancy Loewenstein, Auburn University; Toni Alexander, Auburn University; Diane Hite, Auburn University; Chandana Mitra, Auburn University, *A Geospatial Approach to Estimating the Cost of Controlling cogongrass in Mobile and Baldwin Counties, Alabama.*

3223. Spatial Analysis and Environmental Change and Resource Management

Room: San Jose, Westin, Level 2 (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Marinda Griffin, University of North Texas

10:00 Cerian Gibbes, Dr., University of Colorado Colorado

Springs; Joshua L Hendrickson*, University of Colorado Colorado Springs, *Implementation of a multi-scalar analysis of vegetation diversity within an urban landscape.*

10:05 Kin Ma*, Grand Valley State University; Mark E Whalon, Michigan State University, *Advanced Geospatial monitoring and IKONOS image analyses of 2011 Michigan cherry orchard yields.*

10:10 Ryan D Boarman*, NASA DEVELOP, Jet Propulsion Laboratory; Michael Fong, NASA DEVELOP, Jet Propulsion Laboratory; Benjamin Holt, NASA, Jet Propulsion Laboratory; Katrina Laygo, NASA DEVELOP, Jet Propulsion Laboratory; Edgar Vargas, NASA DEVELOP, Jet Propulsion Laboratory; Daniel Cusworth, NASA DEVELOP, Jet Propulsion Laboratory, *Southern California Water Resources. Applications of synthetic aperture radar for water quality management in the Southern California Bight.*

10:15 Tyra A Olstad*, SUNY Oneonta, *Paleontological Resource Management on Public Lands.*

10:20 Ian C Pope*, Purdue Department of Earth, Atmospheric, & Planetary Sciences; Jonathan Harbor, Purdue Department of Earth, Atmospheric, & Planetary Sciences; Guofan Shao, Purdue Department of Forestry and Natural Resources; Lori Snyder, Purdue Department of Agronomy; Laura Zannoti, Purdue Department of Anthropology, *Targeting conservation efforts in the Guatemalan cloud forest to enhance food security.*

10:25 Patricia J Beyer*, Bloomsburg University of Pennsylvania; Stephanie Shepherd, Bloomsburg University of Pennsylvania; Jennifer Whisner, Bloomsburg University of Pennsylvania; Timonhly Pelton, Bloomsburg University of Pennsylvania, *Creating community-based flood forecasting for Bloomsburg, Pennsylvania.*

10:30 George Thomas Raber, PhD*, University of Southern Mississippi; Steven R Schill, PhD, The Nature Conservancy, *Protected Area Tools, A GIS toolbox for Protected Area Gap Assessment.*

10:35 Guillermo A. Duran, M.A.*, Azuero Earth Project; Edwina von Gal, Azuero Earth Project; Ruth N. Metzel, Azuero Earth Project, *Designing Restoration Corridors on the Azuero Peninsula, Panama.*

10:40 Zihan Lin*, zihan lin, *Land Cover and Service Area Analysis of Pul Eliya, Sri Lanka.*

10:45 Marinda Griffin*, University of North Texas, *Geography and Globalization of Latin America: Production, Policy, and Planning Renewable Energy Production in*

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- 3225. Crowd Tasting the IronSheep Maps (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Communication Geography Specialty Group)**

Room: *Emerald Bay, Westin, Level 3 (Panel Session)*
 ORGANIZER(S): Matthew Zook, University of Kentucky
 CHAIR(S): Matthew Zook, University of Kentucky

- 3226. Geography Towards Revolution for Neil Smith Part I: Nature & Development (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, History of Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)**

Room: *Hollywood Ballroom, Westin, Level 3 (Panel Session)*
 ORGANIZER(S): Keith Miyake, CUNY Graduate Center;
 Morgan Buck, CUNY Graduate Center
 CHAIR(S): Elizabeth Sibilia, CUNY
 Discussant(s): Morgan Buck, CUNY Graduate Center; Elizabeth Sibilia, CUNY
 Panelists: Hector Agredano, CUNY Graduate Center; Francesca Manning, CUNY Graduate Center; Jesse Goldstein, Graduate Center, CUNY

- 3227. Urbanization, Agricultural Intensification, and Habitat Alteration in Vietnam: Modeling Transitional Development and Emerging Infectious Diseases: Part II (Sponsored by Rural Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group, Health and Medical Geography Specialty Group, Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)**

Room: *Santa Monica A, Westin, Level 3 (Paper Session)*
 ORGANIZER(S): Jefferson Fox, East-West Center
 CHAIR(S): Nancy Lewis, East-West Center
10:00 Chinh Tran*, University of Hawaii at Manoa; John Yanagida, University of Hawaii at Manoa; Russell Yost, University of Hawaii at Manoa; Sumeet Saksena, East West Center; Jefferson Fox, East West Center; Nargis Sultana, East West Center, *Spatio-temporal occurrence modeling of Highly Pathogenic Avian Influenza subtype H5N1: A case study in the Red River Delta, Vietnam.*

10:15 Duong Huu Nong*, University of Hawai'i at Manoa, Honolulu, Hawai'i, USA; Miguel Castrence, East-West Center, Honolulu, Hawai'i, USA, *Characterizing Urban Growth in the Red River Delta of Vietnam using Remote Sensing and Landscape Metrics.*

10:30 Charles Nguyen*, East West Center; Michael DiGregorio, Dr., East West Center, *From Comrades to Consumers: The Development of Urban Culture in Vietnam.*

Discussant(s): Luisa Young; Kelley Crews, University of Texas

- 3228. Walkable Communities: Physical Activity, Mobility, and Health (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)**

Room: *Santa Monica B, Westin, Level 3 (Paper Session)*
 ORGANIZER(S): Geography, GIS, and Health
 CHAIR(S): Timothy Hawthorne, Georgia State University
10:00 Fahui Wang, Dr. and Prof.*, Louisiana State University; Yanqing Xu, Louisiana State University; Ming Wen, University of Utah, *Road Connectivity, Urbanicity and Association with Physical Inactivity and Obesity Rates in the U.S..*
10:20 Jenna H Tilt, Ph.D.*, Oregon State University, *"This street has a lot of variety": Understanding the Relationship Between Neighborhood Design, Canopy Coverage and Physical Activity.*
10:40 Harvey J. Miller*, University of Utah; Calvin P. Tribby, University of Utah; Barbara B. Brown, University of Utah; Ken R. Smith, University of Utah; Carol M.

Werner, University of Utah; Kristi Flick, University of Utah; Alyssa Messina, University of Utah, *The Moving Across Places Study (MAPS): Analyzing the Time, Place and Context for Active Transportation Behavior using Geospatial Science and Technologies..*

11:00 Calvin P Tribby*, University of Utah; Harvey J Miller, University of Utah, *Assessment of Trip-Specific Walkability: A Comparison of Activity Space Metrics.*

11:20 Timothy Hawthorne*, Georgia State University; Amanda Rees, Columbus State University, *Children as Active Knowledge Producers in Community Geography and Geographic Information Systems Research: A Case Study of Safe Routes to Schools and Physical Activity.*

- 3229. Ecologies of Well-Being II (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)**

Room: *Santa Monica C, Westin, Level 3 (Paper Session)*
 ORGANIZER(S): Tim Schwanen, University of Oxford; David Conradson, University of Canterbury

CHAIR(S): David Conradson, University of Canterbury
10:00 Fenglong Wang*, Hong Kong Baptist University; Donggen Wang, Hong Kong Baptist University, *Built Environment and Residential Subjective Well-Being: Evidence from Beijing, China.*

10:20 Stephen Jivraj*, University of Manchester; Alan Marshall, Dr, University of Manchester; Gindo Tampubolon, Dr, University of Manchester; Bram Vanhoutte, Dr, University of Manchester; James Nazroo, Professor, University of Manchester, *All in the mind? Effect of wealth inequality on the subjective wellbeing of older adults.*

10:40 Juliana R Mansvelt*, Massey University; Mary R Breheny, Dr, Rehabilitation Studies, Massey University; Christine V Stephens, Prof, School of Psychology, Massey University, *"I choose to go without everything really!" Living Standards, Ageing Imperatives and Well-being for Older New Zealanders..*

11:00 Nathaniel M. Lewis*, Dalhousie University, *'Placing' HIV Risk and Prevention among Men in Nova Scotia: Beyond Metropolitan Ecologies.*

Discussant(s): David Conradson, University of Canterbury

- 3230. Africa's Green Revolution: Critical perspectives on new agricultural technologies and systems II (Sponsored by Cultural and Political Ecology Specialty Group, Africa Specialty Group, Development Geographies Specialty Group)**

Room: *Santa Monica D, Westin, Level 3 (Paper Session)*
 ORGANIZER(S): Matthew Schnurr; William G Moseley, Macalester College

CHAIR(S): William G Moseley, Macalester College
10:00 Matthew Schnurr*, Dalhousie University, *What Distinguishes the Promoters from the Regulators? Evaluating the Governance of Agricultural Biotechnology in Uganda.*

10:20 Kristal Jones, Ph.D. candidate*, Pennsylvania State University, *Lines or circles? Comparing supply chain development to indigenous geographies of seed systems in West Africa.*

10:40 Daniel Bornstein*, Dartmouth College, *New Rice for Africa: An Emerging Space for Contestation of Africa's Green Revolution.*

11:00 Hanson Nyantakyi-Frimpong*, Western University, Canada; Rachel Bezner Kerr, PhD, Cornell University, *Planting Hybrids, Eating Landraces: Smallholder Farmer Perspectives on Agricultural Technologies in Northwestern Ghana.*

Discussant(s): Ed Carr, University of South Carolina

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3234. Rural Geography in Africa, Asia, and Middle and South America: Part 2 (Sponsored by Rural Geography Specialty Group)

- Room:** Laguna Parlor 3024, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Dawn M Drake, Missouri Western State University
CHAIR(S): Dawn M Drake, Missouri Western State University
10:00 Gary T. LaVanchy*, University of Denver, *The Contingent Role of Water in Tourism Development in Southwest Nicaragua*..
10:20 Charlene Sharpe*, Rutgers University, *Building Resilience to Drought: Insights from a small rural community in Manchester - Prospect Community, Jamaica*.
10:40 Zi Li*, ATKINS; Lynia Yan, China Academy of Urban Planning & Design Western Branch, *Local Rural Community Built with "top-down and bottom-up" Approach: A Case of the Metropolitan Leisure Park of Andin Town, Beijing, China*.
11:00 Daisaku Yamamoto*, Colgate University; Yumiko Yamamoto, Colgate University, *Rural communal response to developmental shocks: A case of an agrarian village in Japan*.

3235. Situating (Post)Islamist Geopolitics II (Sponsored by Political Geography Specialty Group, Geography of Religions and Belief Systems Specialty Group)

- Room:** Laguna Parlor 3028, Westin, 30th Floor (Paper Session)
ORGANIZER(S): David J Marshall, University of Kentucky
CHAIR(S): David J Marshall, University of Kentucky
10:00 Syahrul Hidayat*, University of Exeter UK; University of Indonesia, *After Religious Based Visionary and Imagery Offers, What Next? The Failure of Moderate Islamic Party of the PKS to Maintain its Electoral Success in Jakarta*.
10:20 Zev Moses*, University of Toronto, *The Islamic Revival and Urban Development in Post-War, Post-Socialist Sarajevo, Bosnia and Herzegovina (1995-2012)*.
Discussant(s): Paul Amar, UCSB

3236. Geophilosophy and planes of urban experience 2

- Room:** Laguna Parlor 3044, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Cheryl Gilge; Keith Harris, University of Washington
CHAIR(S): Cheryl Gilge
10:00 Keith Harris*, University of Washington, *South Lake Union: Plane of Organization/New Urbanization*.
10:20 Darren Patrick*, York University, *Vegetal (de/re) territorializations: From the cracks of an old urban order, the ruderal emergence of the new*.
10:40 Adam Hantel*, Rutgers University, *Spatializing Translation in the Rhizomatics of Édouard Glissant*.
11:00 Cheryl Gilge, Ph. C.*, University of Washington, *Plane of Immanence of a Fascist Regime: Google and its mapping empire*.
Discussant(s): Mark Purcell, University of Washington

3237. Exploring Materialised Governmentalities 2 (Sponsored by Political Geography Specialty Group)

- Room:** Laguna Parlor 3048, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Tauri Tuvikene
CHAIR(S): Tauri Tuvikene
10:00 Jonathan Darling*, University of Manchester, *Another letter from the Home Office: the governmental politics of asylum letters*.
10:20 Mario Bruzzone*, University of Wisconsin-Madison, *Las Patronas, Material Clientelismo, and the Politics of the Purifier*.
10:40 Aleksa Knuutila*, University College London, *Government through conspicuous things: Politics by way of bicycle lanes in East Austin, Texas*.
11:00 Alex Wafer*, Max Planck Institute for the Study

of Religious and Ethnic Diversity, *Capturing Passing Trade - Municipal Infrastructure and the Governmentalisation of Informality in Johannesburg*.
Discussant(s): Alan Latham, University College London

3238. Social, Cultural & Political Geographies of Waste II

- Room:** Laguna Parlor 3064, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Mohammed Arefin, University of Arizona; Sarah A Moore, University of Wisconsin - Madison
CHAIR(S): Sarah A Moore, University of Wisconsin - Madison
10:00 Parvathy Binoy*, Syracuse University, *Exploring landscapes of waste, gendered dispossession and resistance(s)*.
10:20 Alex V Barnard*, University of California, Berkeley, *Capitalist Waste Regimes and Social Movements: Theorizing Waste as a Political Resource and Mobilizing Frame*.
10:40 Zoltán Glück*, CUNY Graduate Center, *Political Subjectivity and the dialectic of Waste and Value: Reflections from Occupy Wall Street*.
11:00 Mark S. Jackson*, University of Bristol, *Re-Naturalizing Geographies of Political Economy: Waste, Decay, and the Running of Things*.

3239. Urban and Regional Planning: Geographic Perspectives

- Room:** Laguna Parlor 3068, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Qisheng Pan, Texas Southern University
10:00 Ismaila Odogba*, University of Wisconsin-Stevens Point, *The Economic Impacts of Territorial Rescaling*.
10:20 Alicia S. T. Robbins, Ph.D.*, University of Washington; Jenna H. Tilt, Ph.D., Oregon State University, *The Chase for Open Space: What Amenities Are Households in Search of?*.
10:40 Lily B Pollans*, MIT, *Dis/Functional Fragmentation: The Unruliness of Boston's Solid Waste Management System*.
11:00 Qisheng Pan*, Texas Southern University; Rickenson Daniel, Texas Southern University, *Analyze the Effects of Oil and Gas Pipelines on Residential Property Values in Houston*.
11:20 Mohamed Babiker Ibrahim, Dr.*, Hunter College - CUNY, *Settlement in Transition: A Transformation of a Village into a Small Town in Western Sudan*.

3240. Geographic Researches in Turkey 2 (Sponsored by Geography Faculty Development Alliance (GFDA))

- Room:** Malibu Parlor 3018, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Arif Keceli, University of Oklahoma; Faruk Sariusta, Erzincan University
CHAIR(S): Mehmet Karakuyu, Fatih University
10:00 Faruk Sariusta*, Erzincan University, *Assessment of Beylikdüzü Districts in terms of Livability*.
10:20 Saban Celikoglu*, Erzincan University, *Cultural Tourism Potential and Sustainability of Historical Bartin Houses*.
10:40 Yusuf Kilinc*, Marmara University, *How geography teacher candidates perceive the concept "weather condition": A phenomenographic study from Turkey*.
11:00 Recep Aksu*, Dicle University, Geography Department, *A Brief Evaluation of Dark Tourism, Case of Bosnia Herzegovina And Kosovo*.
11:20 Ismail Kervankiran, Asst. Prof.*, Süleyman Demirel Üniversitesi Isparta Turkey; Hüseyin Kaya, Asst. Prof. Dr., Süleyman Demirel Üniversitesi Isparta Turkey, *The Place of Turkey In Global Tourism Sector*.

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- 3241. Places of Co-habitation, spaces of imagination 2. (Sponsored by Animal Geography Specialty Group)**
Room: Malibu Parlor 3038, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Henry Buller; Mara Miele
 CHAIR(S): Henry Buller
10:00 Martha R Geiger, M.A Candidate*, University of Guelph, *Exploring Donkey Welfare & Positionality in Maun, Botswana.*
10:20 Outi Ratamäki*, University of Eastern Finland, *Drama over large carnivores - viewing and photographing large carnivores in a controversial space.*
10:40 Isla Forsyth*, University of Nottingham, *A Bear's Biography: More-than-Human Battlespaces.*
11:00 David Lulka*, *Animals, Daguerreotypes, and Movement: The Despair of Fading and the Emergence of Ontology.*

- 3242. The U.S. at Large: Putting Geographic Education to Work (Sponsored by Graduate Student Affinity Group, Geography Education Specialty Group, Cultural Geography Specialty Group)**
Room: Malibu Parlor 3058, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Larry Kleitches, Texas State University-San Marcos
 CHAIR(S): Larry Kleitches, Texas State University-San Marcos
10:00 David Rutherford, Ph.D.*, University of Mississippi, *Geography Education and the Study of Global Transformations.*
10:18 José M. Cajigas, Graduate Student and Researcher*, The University of Akron, *Classroom Geography to Real World Geography: Geographic Education Today.*
10:36 Cristina Notaro, Ph.D.*, SUNY Old Westbury College, *Geography as the Course Link in Community Engagement Programs.*
10:54 William H. Warren, Associate Professor of Geography*, Hawaii Pacific University, *Field Walks -- Get the Class Out of the Classroom!.*

- 3243. EquiPop: Applications of a Recent Software for Segregation Analysis (Sponsored by Geographic Information Science and Systems Specialty Group, Population Specialty Group)**
Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Lee Hachadoorian, Dartmouth College; Ian G Shuttleworth
 CHAIR(S): William A Clark, University of California - Los Angeles
10:00 Ian G Shuttleworth*, QUB; John Osth, University of Uppsala, *Making international segregation comparisons: Does it matter which spatial building blocks are used to construct k-nearest neighbourhoods?.*
10:20 William A Clark*, University of California - Los Angeles; John Osth, Department of Human Geography, Stockholm University; Bo Malmberg, Department of Social and Economic Geography, Stockholm University, *Using EquiPop to map mixed race populations: Illustrations from Los Angeles.*
10:40 Thomas Wimark, Stockholm University; John Östh*, Uppsala University, Sweden, *Using data from Social Networking Sites to understand the urban concentration of gay men and lesbians in Sweden.*

- 3244. Vital Themes in Contemporary Geography (Sponsored by Cultural Geography Specialty Group, Business Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Lawrence Estaville, Texas State University
 CHAIR(S): Brian Cooper, Texas State University-San Marcos
10:00 Edris J. Montalvo*, Cameron University, *Best Practices for Recruiting and Retaining University Students.*
10:20 Brian Cooper, Ph. D.*, Texas State University-San Marcos, *Teaching Evaluation Systems in Geography*

Departments in the U.S.: Analysis and Value.

- 10:40** Phillicia Phillips*, Student Tx State Univ, *The Relationships among Urban Green Space, Crime, and Ethnicity in Austin, Texas.*
11:00 Graciela Sandoval*, Texas State University - San Marcos, *The Latino Epidemiological Paradox: A Geographical Exploration in California.*
11:20 Lawrence Estaville*, Texas State University; Phillicia Phillips, Student Tx State Univ; Kristine Egan, City of Antonio, *Violent Crime in Texas: A Cartographic Portrayal of Houston and Dallas.*

- 3245. Climate Change and Sustainable Development Plans: Evaluation of Co-Benefits (Sponsored by Energy and Environment Specialty Group, Climate Change, Variability, Adaptation and Justice)**

- Room:** Malibu Parlor 3138, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Dan Wei, University of Southern California
 CHAIR(S): Dan Wei, University of Southern California
10:00 Hilda Blanco, Prof. *, Univeristy of Southern California, *Spatial Planning, Sustainable Development, and Climate Change Mitigation: Current Evidence.*
10:20 Hasan Ikhrata, SCAG; Frank Wen, SCAG; Simon Choi*, SCAG, *Climate Change and Sustainable Development: SCAG's 2012-2035 Regional Transportation Plan/ Sustainable Communities Strategy (RTP/SCS).*
10:40 Dan Wei*, University of Southern California; Adam Rose, University of Southern California, *Macroeconomic Impacts of AB 32 on the SCAG Economy.*
11:00 Sue Lieu*, SCAQMD; Joe Cassmassi, SCAQMD; Leland Deck; Shah Dabirian, SCAQMD; Gang Shao, Macrosys, LLC; Greg Hunter, SCAQMD, *An Integrated Approach to Assessing Impacts of Air Quality Management Plan.*

- 3246. High-performance and Large-scale Geospatial Computing (Sponsored by Cyberinfrastructure Specialty Group)**

- Room:** Malibu Parlor 3158, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Qunying Huang, George Mason University; Eric Shook, University of Illinois at Urbana-Champaign
 CHAIR(S): Qunying Huang, George Mason University
10:00 Jizhe Xia*, George Mason University; Qunying Huang, George Mason University; chaowei yang, George Mason University; songqing chen, George Mason University; Mohammed Hassan, George Mason University; kai liu, George Mason University; Jing Li, George Mason University; Zhipeng Gui, George Mason University, *An Experimental Study of Open-Source Cloud Platforms for Dust Storm Forecasting.*
10:20 Wei Lu*, Oak Ridge National Lab, *Geographic Data Analysis for Advanced Traffic System with High Performance Computing.*
10:40 Wenwu Tang*, University of North Carolina at Charlotte; Zhaoya Gong, University of North Carolina at Charlotte; Wenpeng Feng, University of North Carolina at Charlotte; Ross K Meentemeyer, University of North Carolina at Charlotte, *Parallel Implementation of a Spatially Explicit Multi-level Simulation Model of Land Development.*
11:00 Xuan Shi*, University of Arkansas, *Scalable and High Performance Geospatial Computation over the Emerging Heterogeneous Computer Architecture and System.*

- 3247. Spatial Analysis and Health**

- Room:** Malibu Parlor 3178, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Matthew Hamilton
10:00 I-Jen Wang*, Department of Geography, National Taiwan University; JinnGuey Lay, Professor of Department

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of Geography, National Taiwan University, *Spatial Patterns of Fertility Change in Taiwan*.

- 10:20** Lisa Calhoun*, University of California, Los Angeles (UCLA); Yongkang Xue, Ph.D., University of California, Los Angeles (UCLA); Charles E. Taylor, Ph.D., University of California, Los Angeles (UCLA); Yoosook Lee, Ph.D., UC Davis; Greg Lanzaro, Ph.D., UC Davis, *An assessment of the relationship between the genetic forms of the malaria vector *Anopheles gambiae* sensu stricto and environmental factors in Mali and Cameroon*.
- 10:40** Saravanan V Subramanian*, Centre for Development Research, University of Bonn, Germany, *John Snow (re)visits India: Geospatial Mapping of Water Infrastructure and Diseases in Ahmedabad City, India*.
- 11:00** Matthew Hamilton*, UC Davis; Stephen Vosti, UC Davis; Zoë Plakias, UC Davis; Rosemonde Guissou, iLiNS Zinc Study / Institut de Recherche en Sciences de la Santé, *Spatial dimensions of healthcare needs and costs in rural Burkina Faso*.
- 11:20** Vit Vozenilek*, Palacky University, Olomouc, *Spatial clustering in infectious diseases research*.

- 3250. Eurasia's Environmental, Economic, and Geopolitical Transformations - Part II: Emerging "Eurasias" (Sponsored by Russian, Central Eurasian, and East European Specialty Group, China Specialty Group, Asian Geography Specialty Group, Borders)**

Room: Angeleno, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Stanley Toops, Miami University
 CHAIR(S): Stanley Toops, Miami University
10:00 Susan M Walcott*, University of North Carolina-Greensboro, *Reconstructing Eurasia: The Himalayan Axis*.
10:20 Stanley W Toops*, Miami University, *Xinjiang - China's Muslim Borderland*.
10:40 Alexander C. Diener*, University of Kansas, *Russian Repositioning: Mobilities and the Eurasian Regional Concept*.
11:00 Matthew Derrick*, Department of Geography, Humboldt State University, *Islam as a Source of Connection and Division in Eurasia*.
 Introducer: Stanley Toops

- 3251. Re-framing Sustainable Tourism II (Sponsored by Recreation, Tourism, and Sport Specialty Group)**

Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Keith Bosak, The University of Montana
 CHAIR(S): Keith Bosak, The University of Montana
10:00 Lisa Dershowitz*, Miami University; Lisa karyn Dershowitz, Miami University, *A Look into future research on Ecotourism*.
10:20 Virginia Gherasim, Christian University 'Dimitrie Cantemir', Bucharest, Faculty of Tourism Geography in Sibiu, Romania; George W White*, South Dakota State University, *Dimensions of Sustainable Competitiveness for Tourism Destination Development: The Black Hills (South Dakota) and Apuseni Mountains (Romania)*.
10:40 Tuan-Anh Le, PhD candidate*, Griffith University; David Weaver, PhD, Griffith University; Laura Lawton, PhD, Griffith University, *Community-based tourism development in the semi-periphery of Viet Nam through the view of local residents*.
11:00 Katherine E. Akin*, UNC Chapel Hill, *Healing Nature: Syncretic Spiritual Practice, Environmentalism and Eco-tourism in Brazil*.
11:20 Rajinder Jutla*, Missouri State University, *Understanding Townscape through Tourist and Resident Perception: Shimla, a town in the Himalayas*.

- 3252. Inaugural Territorial, Politics, Governance Lecture**
Room: Grand Ballroom Salon 1, The LA Hotel, Level 2 (Panel Session)
 ORGANIZER(S): Aureliane Beauclair, Regional Studies Association; Sally Hardy, Regional Studies Association
 CHAIR(S): John Agnew, University of California - Los Angeles

- 3253. Curating the Cosmos 2**
Room: Grand Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Deborah Dixon
 CHAIR(S): Deborah Dixon

10:00 Nigel Clark*, Lancaster University, *Planetary Cataclysm and the Return of Speculative Geophysics*.

10:20 Elizabeth Straughn, University of Glasgow; Sallie Marston*, University of Arizona, *Geopolitics and Art/ Science Curation*.

10:40 Daisy Sutcliffe*, Creative Coast Project, *Nature curation, culture, and community: Learning from the Jurassic Coast World Heritage Site's ground breaking Creative Coast Project*.

11:00 Matt Coolidge*, The Center for Land Use Interpretation, *An Overview of the American Land Museum*.

- 3254. The Fleming Lecture in Transportation Geography: About Flows, Spatial Interaction, and Spatial Economic Organization (Sponsored by Transportation Geography Specialty Group)**

Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Selima Sultana, University of North Carolina-Greensboro
 CHAIR(S): Selima Sultana, University of North Carolina-Greensboro
 Introducer: Selima Sultana
10:10 Jean-Claude Thill*, University of North Carolina at Charlotte, *About Flows, Spatial Interaction, and Spatial Economic Organization*.
 Discussant(s): Morton E. O'Kelly, Ohio State University

- 3255. (Dis)modernity and (Bio)diversity II: exploring the biopolitics of human-environmental difference (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)**

Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Panel Session)
 ORGANIZER(S): Emma Gaalaas Mullaney, The Pennsylvania State University
 CHAIR(S): Kathryn Yusoff, Lancaster University
 Panelists: Sharlene Mollett, Dartmouth College; Ken MacDonald, University of Toronto; James Igoe, Dartmouth College; Emma Gaalaas Mullaney, The Pennsylvania State University; Adam Henne, University of Wyoming

- 3256. Mixed Methods and Hybrid Epistemologies in Climate Change Research I (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Climate Change, Variability, Adaptation and Justice)**

Room: Highland, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Jeff Popke, East Carolina University; Douglas Gamble, University of North Carolina - Wilmington
 CHAIR(S): Jeff Popke, East Carolina University
10:00 Mara J. Goldman*, University of Colorado, *Climate Change Adaptation in the East African Rangelands: A multi-epistemological approach*.
10:20 Laurel C. Smith*, University of Oklahoma, *Participatory video: a possible path toward inter-epistemological conversations about climate change?*.
10:40 Molly H. Polk*, University of Texas at Austin, *In the Shadow of Melting Glaciers: Applying Social-Ecological System Theory and Mixed Methods to Characterize Change*.
11:00 Rob Bellamy*, University of East Anglia; Jason Chilvers, Dr., University of East Anglia; Naomi E. Vaughan,

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Dr., University of East Anglia; Timothy M. Lenton, Professor, University of Exeter, *Deliberative Mapping of Climate Geoengineering Appraisal*.

- 11:20** William J Smith Jr., Ph.D.*, University of Nevada Las Vegas; Zhongwei Liu, Ph.D., UNLV; Ahmad Safi, Ph.D., Gaza; Darko Koracin, Ph.D., Desert Research Institute, *Mixed methods and multicultural teams for climate change perception research in Nevada*.

3257. Climate Change and its Impact in the Polar Regions II: Transportation and Settlement Systems (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: *Hollywood, The LA Hotel, Level 2* (Paper Session)

ORGANIZER(S): Andrey Petrov, University of Northern Iowa;

Timothy Heleniak, American Geographical Society

CHAIR(S): Timothy Heleniak, American Geographical Society

- 10:00** Scott R Stephenson*, University of California, Los Angeles (UCLA); Lawson W. Brigham, PhD, University of Alaska - Fairbanks; Laurence C. Smith, PhD, University of California, Los Angeles (UCLA), *The Northern Sea Route: Plausible Navigation Scenarios*.

- 10:20** Alan Grove*, University of British Columbia, *Dodging the Sea Ice: Climate Change and Shipping in the Canadian Arctic*.

- 10:40** Justin Vanderberg*, Pennsylvania State University, *Comparative Analysis of Potential Arctic Alaska Port Locations: Climate Impacts on Accessibility*.

- 11:00** Harley Johansen*, University of Idaho.

3258. Political Ecologies of the State II (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: *Melrose, The LA Hotel, Level 2* (Paper Session)

ORGANIZER(S): Katie Meehan, University of Oregon; Leila Harris, University of British Columbia

CHAIR(S): Leila Harris, University of British Columbia

- 10:00** Afton Clarke-Sather*, University of Delaware, *State Power and Domestic Water Provision in Semi-arid Northwest China: Towards an Aleatory Political Ecology*.

- 10:20** Jesse Quinn*, University of Arizona, *Exceptional Forests: Forest governance and state structure in the Republic of Georgia*.

Discussant(s): Andrea J. Nightingale, University of Edinburgh; Juanita Sundberg, University of British Columbia

3259. Megaregions 2: Functions, Connections, and Urban Networks (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: *Olvera, The LA Hotel, Level 2* (Paper Session)

ORGANIZER(S): John Harrison, Loughborough University; Michael Hoyler, Loughborough University

CHAIR(S): Michael Hoyler, Loughborough University

- 10:00** Jaume Masip Tresserra*, Polytechnic University of Catalonia; Evert J. Meijers, Delft University of Technology; Frank van Oort, Utrecht University, *Megaregions and Megaregional Externalities: the Shifting Division of Labour in the Randstad Holland*.

- 10:20** Lukas Smas*, Nordregio; Peter Schmitt, Nordregio, *Making Sense of Mega-regions: Conceptual and Policy Reflections from a Scandinavian Perspective*.

- 10:40** Xu Zhang*, University of Amsterdam; Robert C. Kloosterman, University of Amsterdam, *Globalization and City Regions: Investigating the Global Linkages of the Pearl River Delta in a Historical Perspective*.

Discussant(s): Markus Hesse, University of Luxembourg

3260. Geographies of Encounter 2: Youth Trajectories, Communities and Artistic Practices

Room: *Olympic, The LA Hotel, Level 2* (Paper Session)

ORGANIZER(S): Helen F. Wilson, University of Manchester; Nick Schuermans

CHAIR(S): Nick Schuermans

- 10:00** Danny McNally*, Royal Holloway, University of London, *Encountering relational art*.

- 10:20** Cassie Donish*, University of Oregon, *What Does Creative Practice Create?: Artistic Encounters in San Francisco's Mission District*.

- 10:40** Tracey Skelton*, National University of Singapore, *Engagements with Strangers: Young People and Co-existence in Urban Intercultural Cities, Auckland and Singapore*.

- 11:00** Adefemi Adekunle*, University College London, *Intergenerational encounters*.

Discussant(s): Helen F. Wilson, University of Manchester

3261. Causes and consequences of the upscaling of urban systems (2) (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: *Pacific Ballroom Salon 1, The LA Hotel, Level 2* (Paper Session)

ORGANIZER(S): Michiel Van Meeteren, Ghent University

CHAIR(S): Frank J Witlox, Ghent University

- 10:00** Michael Bentlage*, TU München; Alain Thierstein, TU München; Frank Witlox, Ghent University; Ben Derudder, Ghent University, *The urban hierarchy in Germany under pressure: how knowledge, proximity and accessibility undermine the planning principle of 'comparable living conditions' in Germany*.

- 10:20** Kiranmayi Raparathi*, University of Texas at Arlington; Steven Apell, The University of Texas at Arlington, *The Relationship between Light Rail and Polycentric Urban Form*.

- 10:40** Kobe Boussauw*, Ghent University - Center for Mobility and Spatial Planning and Geography Department; Michiel van Meeteren, Ghent University - Geography Department; Georges Allaert, Ghent University - Center for Mobility and Spatial Planning; Frank Witlox, Ghent University - Department of Geography, *Intra-urban Polycentrism Applied on School Consolidation and School Travel in Flanders (Belgium)*.

- 11:00** Evert Meijers*, Delft University of Technology; Marloes Hoogerbrugge, Delft University of Technology; Jaume Masip Tresserra, Universitat Politècnica de Catalunya; Frank van Oort, Utrecht University, *Cities borrowing size: an exploration of the spread of metropolitan functions across European cities*.

Discussant(s): Sebastian Henn, Leibniz-Institute for Regional Geography

3262. Hazards, Risks, and Disasters Specialty Group Session: Disasters and Society (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: *Pacific Ballroom Salon 2, The LA Hotel, Level 2* (Paper Session)

ORGANIZER(S): Ronald R Hagelman III, Texas State University

CHAIR(S): Graham A. Tobin, University of South Florida

- 10:00** Michael Hooper*, Harvard University, *Priority Setting Amid the Rubble: A Study of Organizational Responses to Post-Disaster Reconstruction in Haiti*.

- 10:20** Laura Siebeneck*, University of North Texas; Sudha Arlikatti, University of North Texas; Simon Andrew, University of North Texas; Kraiwuth Jaikampan, University of North Texas, *Cross-Comparison of Disaster Resilience in Rural, Suburban, and Urban Communities in Thailand*.

- 10:40** Aaron J Williams, PhD(c)*, University of Calgary, *Assessing long-term outcomes of aid, reconstruction, and recovery in tsunami-impacted communities of*

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Thailand's Andaman Coast.

- 11:00** Hyun Kim*, University of Wisconsin-Madison; Kyle M. Woosnam, Texas A&M University, *'Natural' Disaster and the 'Social' and 'Geographical' Contours of Residential Mobility: Theoretical and Empirical Rubrics of Geography of Opportunity and Place Attachment.*

- 11:20** Graham A. Tobin*, University of South Florida; Linda M Whiteford, University of South Florida; Eric C Jones, University of North Carolina Greensboro; Arthur D Murphy, University of North Carolina Greensboro; AJ Faas, University of South Florida; Hugo Yepes, Instituto Geofísico, Quito, Ecuador, *Gender and Well-Being in Disaster Resettlement Communities: The Role of Social Networks.*

3263. Moving to Berlin 5: The 'New' Berlin? (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Sandra Jasper; Samuel Merrill, University College London

CHAIR(S): Christian Haid, Center for Metropolitan Studies, Technical University Berlin

- 10:00** Deike Peters*, USC, *'Globalizing City', 'Divided City', 'Paradigmatic City', or 'Ordinary City'? Academic Discourses versus Local Real Estate Realities in the 'New Berlin'.*

- 10:20** Johannes Novy, Technische Universität Berlin; Claire M Colomb, Dr*, University College London, Bartlett School of Planning, *'New' Tourism in the 'New' Berlin? Contemporary trends in tourism and place consumption and their implications for urban scholarship.*

- 10:40** Nicole Huber*, University of Washington, *Takes on the 'New Berlin': Tracking Urban Transformations and Narrative Imaginaries since 1998.*

Discussant(s): Alex Vasudevan, School of Geography, University of Nottingham

3264. Carceral Geography: Debates, Developments and Directions II (Sponsored by Cultural Geography Specialty Group)

Room: Pico, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Dominique Moran, University of Birmingham; Shaul Cohen, University of Oregon

CHAIR(S): Shaul Cohen, University of Oregon

- 10:00** Brett Story*, University of Toronto, *The prison 'outside': A rematerialization of the prison in the everyday life of the urban 'million-dollar block.*

- 10:20** Jack Norton*, Rutgers University, *Prisons, Infrastructure, and Development in the New Empire State.*

- 10:40** Sallie Yea, Ph D*, Nanyang Technological University, *"Singapore is my Prison": Trafficked and Exploited Migrant Workers (Im)mobile Geographies in Singapore.*

- 11:00** Colleen McTague, PhD*, University of Cincinnati, *felonious restraint: are felons imprisoned by the day labor industry?.*

- 11:20** Kevin Raleigh*, University of Cincinnati, *An Invisible Incarceration: How the Law Establishes Virtual Imprisonment of Employees of Temporary Day Labor Agencies in Ohio.*

3270. Migration in North America

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Melanie Ann Rapino, University of Memphis

- 10:00** Jean-François Parent*, Department of Geography; Faculty of Arts; University of Ottawa, *From the Rural to the Urban: Social Adaptation and Integration to a New Urban Environment for Acadian Migrants in New-*

Brunswick, Canada.

- 10:20** Charlynn Burd*, US Census Bureau, *Metropolitan Migration Flows of the Creative Class by Occupation using 3-Year 2006-2008 and 2009-2011 American Community Survey Data.*

- 10:40** Arianna Martinez, PhD*, CUNY - LaGuardia Community College, *Deferred Action for Childhood Arrivals & Urban Immigrant Transformation.*

- 11:00** Melanie Ann Rapino, Ph.D.*, United States Census Bureau; Julia B. Beckhusen, Ph.D., United States Census Bureau, *The Migration of Military Spouses using the 2007-2011 5-year American Community Survey.*

3271. Landscapes of infrastructure: relational place-making and sociotechnical systems (2)

Room: Bernard's, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Mattias Qvistrom, Swedish Univ of Agricultural Sciences; Greet De Block, University of Leuven

CHAIR(S): Mattias Qvistrom, Swedish Univ of Agricultural Sciences

- 10:00** Richard Brook*, Manchester School of Architecture, *It's Just Juxtaposition.*

- 10:20** Chris Brennan-Horley*, University of Wollongong, *The agency of bitumen: Road technologies as cultural infrastructure.*

- 10:40** Matthias Blondia*, K.U.Leuven, *Hybrid Modes of Transport for a Hybrid City: Matching Technology and Spatial Characteristics in European Regional Public Transport Projects..*

- 11:00** Christopher A Fullerton, PhD*, Department of Geography, Brock University, *Examining the Land Use and Transportation Outcomes of Urban and Regional Planning Initiatives in Ottawa, 1945-2015.*

Discussant(s): Marcel Smets, University of Leuven; IVM Scientific and Strategy Committee

3272. Writing Spaces of Exception: The Implications of Illegible Geographies

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Tom Nurmi; Katherine Genevieve Sammler, The University of Arizona

CHAIR(S): Tom Nurmi

- 10:00** Richard L Johnson*, University of Arizona, *And the Producers? Illegible Geographies, Representation, and the War on Drugs.*

- 10:20** Ashley Coles*, University of Arizona, *The politics of knowledge in development and hazard management in the "laboratory city" of Manizales, Colombia.*

- 10:40** Katherine Genevieve Sammler*, The University of Arizona, *Ruin Spreads Over the Deep: Material Politics of the Production of Ocean Space.*

- 11:00** Tom Nurmi*, Elmira College, *Read It if You Can: Melville and Deleuze in International Waters.*

- 11:20** Jessie Speer, JD*, Syracuse University, *The City Is Not a Playground: Fresno Homeless Encampments as Exceptions to the Commodification of Space.*

3273. Queer(ing) Geographies II: Performativity (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Corinthian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Sean Wang, Syracuse University; Emily Mitchell-Eaton, Syracuse University

CHAIR(S): Emily Mitchell-Eaton, Syracuse University

Introducer: Emily Mitchell-Eaton

- 10:08** Reese Simpkins*, York University, *queer space, Deleuzo-Guattarian geography: insights from trans studies and intersectionality.*

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10:26 Jennifer E Maclatchy, BA (Hons)*, Mount Saint Vincent University, *Performing Queer Nature*.

10:44 Stefano Bettani*, University of Washington, *The Missing Heterosexual Voices: Experiencing Homonormativity While "Queering" Straightness?*.

Discussant(s): Kath Browne, University of Brighton

3274. Economic geographical influence from climate change: Simulation and Observation

Room: Corsican, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Zheng Wang; Qianting Zhu, China University of Petroleum(Beijing)

CHAIR(S): Qianting Zhu, China University of Petroleum(Beijing)

10:00 Jonas Ø Nielsen*, University of Copenhagen; Frank Sejersen, University of Copenhagen, *Earth System Science, the IPCC, and the problem of downward causation in human geographies of Global Climate Change*.

10:16 Giovanni Circella*, University of California, Davis, *Estimation of GHG Emissions and Energy Consumption from Economic Activities in an Urban Metabolism Framework*.

10:32 John Ngwembo Yembu*, University of Redlands; Mark Kumler, Ph.D, University of Redlands, *Assessment of Climate Change Scenarios in the Yukon River Basin*.

10:48 Amar Rouabhi, Department of Agronomy, Faculty of SNV, Sétif1 University, Algeria; Mustapha Kebiche*, Université du Québec à Montréal, UQAM; Miloud Hafsi, Department of Agronomy, Faculty of SNV, Sétif1 University, Algeria, *Economic Performance of Farms under the Effect of Climate Change in a Semi-arid Region of the Setif Province, Algeria*.

11:04 Zheng Wang*, MRICES: *an IAM of climate change based on Geography*.

3275. Remote Sensing Applications

Room: Florentine, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Guangxing Wang, Southern Illinois University at Carbondale

10:00 John Patrick Connors*, Arizona State University; Silvio Simonit, PhD, Arizona State University; James Yoo, PhD, Arizona State University; Ann Kinzig, PhD, Arizona State University; Charles Perrings, PhD, Arizona State University, *Institutions and land cover change in Arizona's Salt and Verde watershed*.

10:20 Chi-Feng Yen*, Senior student of National Taiwan Normal University, Taiwan R.O.C.; Chen Kuo Chang, Associate Professor of National Taiwan Normal University, Taiwan R.O.C.; Kai Chun Chen, Associate Researcher, Sinotech Engineering Consultants, Inc., Taiwan R.O.C.; Chia-Ching Tang, Chief Executive, Chinese Society of Photogrammetry and Remote Sensing., Taiwan R.O.C.; Ming-Chih Shih, Researcher, Chinese Society of Photogrammetry and Remote Sensing., Taiwan R.O.C., *Analyze the Loss of Oyster Farming Platforms With Formosat-2 Imagery*.

10:40 Wei Huang*, University of Wisconsin-Milwaukee; Michael J Day, University of Wisconsin-Milwaukee, *Object-Based Image Analysis for Geomorphological investigation of Tower and Cockpit Karst*.

11:00 Guangxing Wang*, Southern Illinois University at Carbondale; Santosh Rijal, Southern Illinois University at Carbondale; Heidi R. Howard, US Army Corps of Engineers, CERL; Alan B. Anderson, US Army Corps of Engineers, CERL; Scott A. Tweddle, US Army Corps of Engineers, CERL, *Assessment of Fort Riley's land condition recovery under military training induced disturbance*.

11:20 Rene Roland Colditz*, National Commission for the

Knowledge and Use of Biodiversity (CONABIO); Darren Pouliot, Canada Centre for Remote Sensing / Natural Resources Canada (CCRS / NRCan); Sheikh Nazmul Hossain, United States Geological Survey ? Center for Earth Resources Observation and Science (USGS - EROS); Rainer Ressler, National Commission for the Knowledge and Use of Biodiversity (CONABIO); Rasim Latifovic, Canada Centre for Remote Sensing / Natural Resources Canada (CCRS / NRCan); Collin Homer, United States Geological Survey ? Center for Earth Resources Observation and Science (USGS - EROS), *The detection of land cover changes in North America using 250m MODIS data*.

3276. Environmental Policies and Practices

Room: Grecian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Daniel Kunches, Pennsylvania State University

10:00 Justin P Kozak*, Southern Illinois University Carbondale, NSF IGERT Watershed Science and Policy; Aaron Nickolotsky, Southern Illinois University Carbondale, NSF IGERT Watershed Science and Policy; Anne Hayden-Lesmeister, Southern Illinois University Carbondale, NSF IGERT Watershed Science and Policy; Micah G Bennett, Southern Illinois University Carbondale, NSF IGERT Watershed Science and Policy; Kelley Fritz, Southern Illinois University Carbondale, NSF IGERT Watershed Science and Policy, *Improving Restoration Efforts in the Atchafalaya River Basin, Louisiana: Overcoming a legacy of mistrust, conflict, and human-modification*.

10:20 Laura Caplins Bosak*, University of Montana; Jill Belsky, University of Montana, *Social Monitoring in the Southwestern Crown of the Continent*.

10:40 Basilio Verduzco, Professor*, Universidad de Guadalajara; Maria Basilia Valenzuela, Professor, Universidad De Guadalajara, *The rule of the river: an institutional oriented evaluation of social impact assessment in six hydroelectric power plants in Mexico*.

11:00 Maria Nakhshina, Dr*, Barents Center of the Humanities, *Fishing in the North: challenges and implications for fisheries policies and governance systems*.

11:20 Daniel Kunches*, Pennsylvania State University, *Seeking a sustainable future in Yosemite National Park: Environmental variability and the challenges it poses to resource management*.

3277. Land Systems Science Symposium: Analysis and Modeling of Change II (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Heinsbergen, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Richard Aspinall

CHAIR(S): Dan Brown, University of Michigan

10:00 Harini Nagendra, PhD*, Ashoka Trust for Research in Ecology and the Environment; Palma Blonda, PhD, Consiglio Nazionale delle Ricerche - Istituto di Studi sui Sistemi Intelligenti per l'Automazione (CNR-ISSIA), Bari, Italy; Paola Mairota, PhD., Department of Agro-Environmental and Territorial Sciences, University of Bari; Carmela Marangi, PhD., Consiglio Nazionale delle Ricerche, Istituto per le Applicazioni del Calcol, Bari, Italy; Dino Torri, PhD, Consiglio Nazionale delle Ricerche - Istituto di Ricerca per la Protezione Idrogeologica, Bari, Italy; Richard Lucas, PhD, Institute of Geography and Earth Sciences, Aberystwyth University; Panayotis Dimopolous, PhD, Department of Environmental and Natural Resources Management, University of Western Greece; João Pradinho Honrado, PhD., 3CIBIO-Centro de

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Investigação em Biodiversidade e Recursos Genéticos & Faculdade de Ciências, Universidade do Porto; Madhura Niphadkar, MSc., Ashoka Trust for Research in Ecology and the Environment; Sander Múcher, PhD, Alterra, Wageningen University and Research Centre; Valeria Tomaselli, PhD, Institute of Plant Genetics Consiglio Nazionale delle Ricerche, Bari, Italy, *Using remote sensing for identification and monitoring of anthropic pressures on habitats and biodiversity in protected areas: a multi-nation study.*

10:20 Peter Waylen*, University of Florida; Jane Southworth, Geography, University of Florida; Cerian Gibbes, University of Colorado, Colorado Springs; Huiping Tsai, University of Florida, *Developing Time Series Analyses and Statistical Significance of Land Cover Change Processes in Vegetation Persistence Analyses.*

10:40 Anders Wästfelt*, Swedish Univ of Agricultural Science, *The production of landscape change - or how to visualize changes in land use regimes inbetween two satellite images..*

11:00 Yaolin Liu*, Wuhan University; Man Yuan, Wuhan University; Yanfang Liu, Professor, Wuhan University, *Spatial optimization of land use based on a modified genetic algorithm.*

11:20 Matthew Mulbrandon*, Universiteit Utrecht, *Evaluation of goal programming methods in a heuristic agent-based residential location model in Lee County Florida.*

3278. Renewable Energy

Room: *Mediterranean, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ruibran Reis, Pontifical Catholic University of Minas Gerais

10:00 Pankaj Lal, PhD*, Montclair State University, *Economic and Environmental Analysis of Biofuels in Southern United States.*

10:20 Sarah Lewis, PhD Candidate*, UC Berkeley; William Morrow, PhD, Lawrence Berkeley National Laboratory; Stephen Gross, PhD, Lawrence Berkeley National Laboratory; Axel Visel, PhD, Lawrence Berkeley National Laboratory, *A Fuzzy Suitability Model to Evaluate Agave as a Potential Biofuel in the U.S..*

10:40 Kathryn-Louise Meng*, Clark University, *Giving Shape to Renewable Energy: Logics of Renewable Energy Production.*

11:00 Karen Humes, Ph.D.*, Dept. of Geography, University of Idaho; Thomas Kearns, Dept of Geography, University of Idaho, *Spatially Explicit Estimation of Wood-based Biofuels in Support of Development Strategies on Northern Rocky Mountain Communities.*

11:20 Ruibran J. Reis*, Pontifical Catholic University of Minas Gerais; Joao F. Abreu, Pontifical Catholic University of Minas Gerais, *Mapping Solar Energy in Brazil :The Case Study of Minas Gerais.*

3279. Environmental Policy Analysis

Room: *Moroccan, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Susan Macey, Texas State University

10:00 Tika Adhikari*, Department of Geography, University of Iowa, *A spatial agent-based approach for modeling adaptive risk management behaviors of farmers under uncertainty.*

10:20 SARA BARRASA*, El Colegio De Michoacán, A.C., *Peasant perceptions of environmental degradation on the coast of Chiapas, Mexico.*

10:40 Brian Blankespoor, GISP*, World Bank; Susmita Dasgupta, Dr., World Bank; Benoit Laplante, Dr., Consultant, *Sea-Level Rise and Coastal Wetlands: Impacts and Costs.*

11:00 Susan Macey*, Texas State University, *People and wildfire: An analysis of the characteristics of communities at the interface in Colorado..*

3280. Energy and Environment Annual Plenary Lecture: "The Changing Energy Landscapes of North America." Dr. Martin Pasqualetti (Sponsored by Energy and Environment Specialty Group)

Room: *Roman, Biltmore, Mezzanine Level* (Panel Session)

ORGANIZER(S): Matthew Huber, Syracuse University

CHAIR(S): Matthew Huber, Syracuse University

Introducer: Matthew Huber

Panelists: Martin Pasqualetti, Arizona State University

11:50 AM - 12:30 PM • 3300

3312. International Encyclopedia of Geography Editorial Meeting

Room: *San Gabriel C, Westin, Lobby Level* (Panel Session)

This session is a continuation of the previous timeslot, 3112.

3322. Michael T. Jones Lunchtime Plenary: The Universal Geography

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

Room: *San Francisco, Westin, Level 2*

Welcoming remarks: **Candida Mannozi**, AAG Senior Manager for Program Development
Speaker: **Michael T. Jones**, Google

The 138 years since Elisée Reclus published *A Universal Geography* have seen continuous expansion on the meaning of 'universal' in geographic knowledge. **Michael T. Jones** will use his experience in one major expansion--the spread of Google Earth imagery and Google Maps vectors to more than a billion monthly users--as the basis to anticipate the next major change, which is well underway yet subtle and perhaps as yet unrecognized.

3324. Michael Dear Lunchtime Plenary and Book Signing: Why Walls Won't Work: Repairing the US-Mexico Divide

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

Room: *Avalon, Westin, Level 3*

Welcoming remarks: **Douglas Richardson**, AAG Executive Director

Speaker: **Michael Dear**, University of California, Berkeley

When thinking about the border separating the US from Mexico, what typically comes to mind is an unwelcoming zone with violent, poverty-ridden towns, and an increasingly militarized network of barriers and surveillance systems on the other. It was not always this way. In this sweeping account of life within the US-Mexican border zone, urbanist and geographer **Michael Dear** traces the border's long history of cultural interactions. Dear warns that this vibrant zone is in danger of fading away because of restrictive policies on the American side and violence on the Mexican side of the border.

This plenary will include a Q&A period and a book signing with the author.

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

3401. Geographies of Hope Symposium 6: Hope and Social and Environmental Justice Geographies (Sponsored by Latin America Specialty Group, Rural Geography Specialty Group, and Political Geographies Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Development Geographies Specialty Group, Indigenous Peoples Specialty Group)

Room: *Beaudry A, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Beth Rose Middleton, UC Davis

CHAIR(S): Beth Rose Middleton, UC Davis

12:40 Ricardo G Huerta Niño, MA, MCP*, University of California at Berkeley, *Toward a Culture of Tribal Power: The Promise and Power of Culture in Development on Native American Reservations.*

1:00 Elisabeth Rose Middleton, PhD*, UC Davis, *A Praxis of Hope: Indigenous Conservation Leadership Futures.*

1:20 Brittany Davis*, University of Arizona, *Moving Beyond Hope: Aiding Local Struggles for Justice and Inclusion.*

1:40 Jennifer J Casolo, PhD*, Universidad Rafael Landívar, *Unthinkable Rebellion: Defending Territory in Guatemala's Ch'orti' East.*

Discussant(s): Kathleen McAfee, San Francisco State University

3402. Economic Geography VII - Technical, Business, and Research Networks (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)

Room: *Beaudry B, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Dieter F. Kogler, University College Dublin; Maryann Feldman

CHAIR(S): Helen Lawton Smith, Birkbeck University of London

12:40 Andrea Morrison*, Utrecht University, *The dynamics of technical and business networks in industrial clusters: Evidence from the Toy Valley in the Valencia region.*

12:57 Jerome Vicente*, University of Toulouse, *Knowledge networks properties and evolving clusters: evidence from the European mobile phone industry.*

1:14 Tom Broekel*, Institute of Economic and Cultural Geography, University of Hanover; Andrea Morrison, Section of Economic Geography, Utrecht University; Dirk Fornahl, Crie Bremen, *What characterizes organizations' embeddedness into knowledge networks and how does it relate to their location within or outside clusters? An investigation on proximity structures in buyer-supplier relations and subsidized R&D cooperation in the German Biotech industry.*

1:31 Maryann Feldman, University of North Carolina at Chapel Hill; Max-Peter Menzel*, University of Hamburg, *Inventing Networks: The Evolution of Inventor Networks in the Research Triangle Park.*

1:48 Annalisa Caloffi*, University of Padua; Luciana Lazzeretti, University of Florence; Silvia Rita Sedita, University of Padua, *Evolutionary trajectories of cluster research communities.*

Discussant(s): Christopher Fowler, Pennsylvania State University

3403. Children, Childhoods, and Transport Geography (Sponsored by Transportation Geography Specialty Group)

Room: *La Brea, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Ron Buliung, Department of Geography, University of Toronto at Mississauga; Selima Sultana, University of North Carolina-Greensboro

CHAIR(S): Ron Buliung, Department of Geography, University of Toronto at Mississauga

12:40 Ron Buliung, Ph.D.*, Department of Geography, University of Toronto Mississauga; Annya Shimi, M.A., Department of Geography, University of Toronto Mississauga; James Thoem, B.A., Cities Centre, University of Toronto, St. George; Guy

Faulkner, Ph.D., Faculty of Kinesiology and Physical Education, University of Toronto, St. George, *Where do the children play? Time-use and Activity Patterns of Children in Toronto, Canada.*

1:00 Peter J Anthamatten, PhD, MPH*, Geography and Environmental Sciences, University of Colorado Denver; Erin Fiene, MPA, School of Architecture and Planning, University of Colorado Denver; Lois Brink, MLA, School of Architecture and Planning, University of Colorado Denver; Ray Browning, PhD, Department of Health and Exercise, Colorado State University; Eve Kutchman, MEd, Department of Landscape Architecture, University of Colorado Denver; Melanie Mainar, MPH, Department of Landscape Architecture, University of Colorado Denver; Claudio Nigg, PhD, MPH, Department of Public Health Sciences, University of Hawaii at Manoa, *Microgeographies of Play: An Analysis of Physical Activity Behavior on Elementary School Grounds.*

1:20 Chung Ting Cheng*, Department of geography, National Taiwan University; Jen-Jia Lin, Department of geography, National Taiwan University, *The effects of school travel patterns on children's social networks.*

1:40 Jo-Ting Fang*, National Taiwan University; Jen-Jia Lin, National Taiwan University, *Mapping journey-to-school: Spatial Cognition and Mode of School Travel.*

2:00 Kathy Reilly, Dr.*, National University of Ireland Galway, Ireland, *Exploring Children's Sense of Place in Ireland.*

3404. Value Chains, Neoliberal Regulation, and Global Restructuring I

Room: *La Cienega, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Christian Berndt, University of Zurich; Marion Werner, University at Buffalo, SUNY

CHAIR(S): Christian Berndt, University of Zurich

12:40 Marion Werner*, University at Buffalo, SUNY; Jennifer Bair, University of Colorado - Boulder; Victor Ramiro Fernández Satto, Universidad Nacional del Litoral, *Value chains and development: Proliferation, convergence and "fast conceptualization" in the post-Washington Consensus policy context.*

1:00 Johanna Herrigel*, Economic Geography Unit, University of Zurich, *Reconfiguring (global) market articulations through "market development approaches" in development cooperation - a case of neoliberal fast policies?.*

1:20 Marc Boeckler*, Goethe University Frankfurt; Dorothee Niebuhr, Goethe University Frankfurt, *Geographies of Marketization and the Performance of Global Value Chains.*

1:40 Andre Nickow*, Northwestern University; Andre Joshua Nickow, Northwestern University, *Growing in Value: The Impact of Sustainable Development Activism on Agricultural Value Chain Articulation in Uttarakhand, India.*

2:00 Rory W Horner*, Clark University, *Development through decoupling and recoupling in global production networks: India and the pharmaceutical industry.*

3405. Catalyzing Research on the Geographies of Broadening Participation (Sponsored by Association of American Geographers)

Room: *Los Cerritos, Westin, Lobby Level* (Panel Session)

ORGANIZER(S): Shangrila J. Wynn, Colgate University; May Yuan, Univ of Oklahoma

CHAIR(S): Rickie Sanders, Temple University

Introducer: May Yuan

Introducer: Rickie Sanders

Discussant(s): Jean McKendry, Association of American Geographers; Patricia A. Solís, Association of American Geographers

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Panelists: Hamil Pearsall, Clark University; Shangrila J. Wynn, Colgate University; Kate Berry, University of Nevada; Barbara Walker, UC Santa Barbara; Daniel Block, Chicago State University

3406. Violence and Space V - Urbanities and Geopolitics (Sponsored by Political Geography Specialty Group)

Room: *Los Feliz, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Philippe Le Billon, University of British Columbia; Simon Springer, University of Victoria
 CHAIR(S): Philippe Le Billon, University of British Columbia
 12:40 Stuart Elden*, University of Durham, *Urban Territory: Violent Political Technologies in London and Kano.*
 12:58 Guy Mercier*, Université Laval, *Violence and the Moral Constitution of Cities.*
 1:16 Simon Springer*, University of Victoria; Philippe Le Billon*, University of British Columbia, *Violence and Space: Reflections on Geographies of (Non)Violence.*
 1:34 Gerard Toal*, Virginia Tech, *Affective Geopolitics? The Bush Administration's Cause in the Caucasus.*
 1:52 Rory Rowan, PhD*, Royal Holloway, University of London, *Carl Schmitt's Planetary Space: Spaceless Violence and Eschatological Geopolitics.*

3407. Advances and Challenges in Digital Elevation Models III (Geomorphology) (Sponsored by Coastal and Marine Specialty Group, Spatial Analysis and Modeling Specialty Group, Geomorphology Specialty Group)

Room: *Palos Verdes, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Barry Eakins, University of Colorado; Jeffrey J. Danielson, United States Geological Survey
 CHAIR(S): John Brock, USGS
 Introducer: Barry Eakins
 12:40 Jonathon Launsbach*, University of Northern Iowa, *Geography, Automated Sinkhole Extraction and Morphological Analysis in Northeast Iowa and Southeast Minnesota Using High-Resolution LiDAR Data.*
 1:00 Augustine Avwunudiogba, Ph.D.*, California State University Stanislaus; Augustine Avwunudiogba, Ph.D., Dept. Anthropology, Geography, & Ethnic Studies, California State University-Stanislaus, *Flood Plain Delineation, Land Use, and Riparian Vegetation Mapping of the Lower Tuolumne using LiDAR DEM and Aerial Photos.*
 1:20 Kathryn Reavis*, East Carolina University; Thad A. Waskiewicz, East Carolina University; William Schulz, U.S. Geological Survey, Landslide Hazards Program; Jeffrey A. Coe, U.S. Geological Survey, Landslide Hazards Program, *A New Terrestrial Laser Scanning Method for Assessing Landslide Motion.*
 1:40 Fuyuan Liang*, Western Illinois University, *Discrimination of fenglin, fengcong and non-karst landforms in Guilin, Southern China: A GIS-based method for karst geomorphologic mapping.*
 2:00 Boleslo E Romero*, University of California, Santa Barbara, *Comparison of Stream Channel Estimation.*

3408. Uprising Geographies: Urban Resistance and Security - Session I

Room: *San Bernardino, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Adam Ramadan; Sara Fregonese, Royal Holloway University of London
 CHAIR(S): Adam Ramadan
 12:40 Jared Van Ramshorst*, San Diego State University, *Networks of Emotion: Understanding Spaces of Emerging Social Movements.*
 1:00 Sam Halvorsen*, *Subverting Space: Territorial Practices and the Occupy Movement.*
 1:20 Anna Feigenbaum*, Rutgers University/Bournemouth University; Patrick McCurdy, Dr., Ottawa University;

Fabian Frenzel*, University of Potsdam, *Speaking of Occupy: Place, politics and communication in protest camps.*

1:40 Irene Molina*, Institute for Housing and Urban Research, Uppsala University, *Militarization and Uprisings in Post-welfare Swedish Suburbs.*

Discussant(s): John Agnew, University of California - Los Angeles

3409. Spatial and Spatio-Temporal Data Mining & Visualization (6) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

Room: *San Fernando, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Diansheng Guo, University of South Carolina
 CHAIR(S): Budhendra Bhaduri, Oak Ridge National Laboratory
 12:40 Robert Stewart, Ph.D.*, Oak Ridge National Laboratory, *Towards a 3D Virtual Gaming Environment for ST Analytics.*
 1:00 Scott Robeson*, Indiana University; Kenji Matsuura, University of Delaware; Cort Willmott, University of Delaware; Elsa Nickl, University of Delaware, *Using Spatial Percentiles to Estimate Recent Variations in Terrestrial Air Temperature.*
 1:20 Xin Miao*, Missouri State University; Hongjie Xie, The University of Texas at San Antonio, *A New Strategy of Ensemble Classifier: Ensemble Networks Algorithms.*
 1:40 Zengwang Xu*, University of Wisconsin Milwaukee, *Spatial patterns in the US county age specific net migration from 1950 to 2000.*
 2:00 Budhendra Bhaduri*, Oak Ridge National Laboratory; Anil Cheriyyadath, Oak Ridge National Laboratory; Ranga Raju Vatsavai, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Marie Urban, Oak Ridge National Laboratory; Amy Rose, Oak Ridge National Laboratory, *On Increasing Resolution of Global Population Data.*

3410. Spatiotemporal Thinking, Computing and Applications 3: Methodologies (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: *San Gabriel A, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Chaowei Yang, George Mason University; Weihe Wendy Guan, Harvard University
 CHAIR(S): Christopher Tucker, Map Story
 12:40 Qiao Li*, Clark University; Jie Tian, PhD, Clark University, *A spatial-temporal analysis of the relationship between MODIS AOD and PM2.5 in Massachusetts.*
 1:00 Eunmok Lee*, Univ. of Kansas, *Analysis of Different Versions and Different Compositing Periods of MODIS 250 m NDVI for Crop Separability.*
 1:20 Neeti Neeti*, Boston University; J R Eastman, Clark University, *Novel approaches in Extended Principal Components Analysis to compare spatio-temporal patterns among multiple image time series.*
 1:40 Shuwen Niu*, College of Earth and Environmental Sciences, Lanzhou University, Lanzhou, China; Xiufang Zhang, College of Earth and Environmental Sciences, Lanzhou University, Lanzhou, China; Xiao Feng, College of Earth and Environmental Sciences, Lanzhou University, Lanzhou, China; Wendie Wang, College of Earth and Environmental Sciences, Lanzhou University, Lanzhou, China, *Spatial-temporal Characteristics and Driving Factors of Urban Land Expansion of A Valley City: A Case of Tianshui City in Western China.*
 2:00 Hyeyoung Kim*, The Ohio State University; Ningchuan Xiao, The Ohio State University, *An agent based*

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approach to simulating spatiotemporal dynamics of foot-and-mouth disease transmission in Cameroon.

- 3411. Interracial Dynamics in Urban Agriculture or (How) Race Matters in Urban Agriculture Part III (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice, Geographies of Food and Agriculture Specialty Group)**

Room: San Gabriel B, Westin, Lobby Level (Paper Session)
ORGANIZER(S): Alison Hope Alkon, University of the Pacific
CHAIR(S): Julian Agyeman, Tufts University
Introducer: Julian Agyeman

12:45 Sarah A Moore*, University of Wisconsin - Madison, *Race, Place and Identity in School Gardens.*

1:05 Analena Hope, MA*, University of Southern California, *The Peculiar Role of Race in Urban Agriculture.*

1:25 Joshua Sbicca*, University of Florida, *Caring for the Land, Confronting the Other: The (In)Visibility of Race in Urban Agriculture along San Diego's Borderlands.*

1:45 Yuki Kato*, Tulane University; Laura McKinney*, Tulane University, *The spatial, social and cultural aspects of CSA participation among low-income minority residents.*

Discussant(s): Alison Hope Alkon, University of the Pacific

- 3412. International Geography Education Standards and Frameworks A: Asia and the Middle East (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)**

Room: San Gabriel C, Westin, Lobby Level (Paper Session)
ORGANIZER(S): Michael N. Solem, Association of American Geographers
CHAIR(S): Michael N. Solem, Association of American Geographers

12:40 Ivy Geok Chin Tan, Assoc Professor*, Nanyang Technological University; Chew-Hung Chang, Assoc Professor, Nanyang Technological University, *Geography Education in Singapore: Change and Response.*

12:58 Chew-Hung Chang*, Nanyang Technological University, *From knowledge to action - the State of Climate Change Education in Singapore.*

1:16 Takashi Shimura*, Joetsu University of Education; Hyunjin Kim, Hokkaido University of Education; Yumiko TAKIZAWA, Teikyo University; Yoshiyasu IDA, University of Tsukuba, *Geography education challenges in recent Japanese National Curriculum debates :Curriculum framework.*

1:34 Koji Ohnishi*, University of Toyama; Hiroshi Mitsuhashi, Ministry of Education, Culture, Sports, Science & Technology, Japan, *Geography education challenges in recent Japanese National Curriculum debates : Geography education for mitigation of disaster in Japan.*

Discussant(s): Daniel Edelson, National Geographic Society

- 3413. Integrating Careers Awareness and Preparedness into the Geography Curriculum (Sponsored by Geography Education Specialty Group, Enhancing Departments and Graduate Education project (EDGE))**

Room: San Pedro, Westin, Lobby Level (Panel Session)
ORGANIZER(S): Joy K. Adams, Association of American Geographers
CHAIR(S): Joy K. Adams, Association of American Geographers
Panelists: Heather R Houlton, American Geosciences Institute; JoAnn (Jodi) Vender, Pennsylvania State Univ; Rachel Berndtson, Department of Geographical Sciences, University of Maryland; Mark R Hafen, Univ of South Florida; Jenny Hay, Louisiana State University; Ronald Luna, University of Maryland; Rachel Kornak, GISP

- 3417. CyberGIS Symposium: Time Geography II (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**

Room: Santa Barbara A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Steven Farber, University of Utah

CHAIR(S): Steven Farber, University of Utah

12:40 Thomas Thevenin*, University of Burgundy - THEMA / CNRS; Banos Arnaud, University of Paris; Chardonnel Sonia, Joseph Fourier University; Marilleau Nicolas, French institute of reserch and development; Lang Chirstophe, University of Franche Comte, *Understanding complexity of an agent based model in a time geographical dataset.*

1:00 Joni Downs*, University of South Florida; Mark Horner, Florida State University, *Computation of probabilistic space-time prisms.*

1:20 Xiao Li*, University of Utah; Steven Farber, University of Utah, *Spatial Representation in the Social Interaction Potential Metric: an Analysis of Scale and Parameter Sensitivity.*

1:40 Ying Song*, University of Utah; Harvey J Miller, University of Utah, *Modeling Visit Probabilities within Network-Time Prisms.*

2:00 Jed A Long*, University of Victoria; Trisalyn A Nelson, Department of Geography, University of Victoria; Farouk S Nathoo, Department of Mathematics & Statistics, University of Victoria, *A Kinetic-Based Probabilistic Space-Time Prism.*

- 3418. Borders, Surveillance, and the New Politics of International Mobility I (Sponsored by Political Geography Specialty Group, Population Specialty Group, Borders, Economic Geography Specialty Group)**

Room: Santa Barbara B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Martin Geiger, IMIS/Institute for Geography; Harrison Smith, Faculty of Information, University of Toronto

CHAIR(S): Harrison Smith, Faculty of Information, University of Toronto

12:40 Martin Geiger*, Carleton University, Ottawa, *Changing Practices in the Management of Global Mobility.*

1:00 Maria J. Perez-Espino*, El Colegio de la Frontera Norte, *The Governance of Migration at the U.S.- Mexico's Border..*

1:20 Rebecca Pero, BAH, MA*, Queen's University, *In the "service" of migrants? Biometrics and the economization of global labour in Canada.*

Discussant(s): Margaret W Walton-Roberts, Wilfrid Laurier University

- 3419. New Geographies of Urban China I (Sponsored by Symposium on New Geographies of Urban China)**

Room: Santa Barbara C, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Mei-Po Kwan, University of Illinois At Urbana-Champaign and Utrecht University; Yanwei Chai, Peking University

CHAIR(S): Donggen Wang, Hong Kong Baptist University

12:40 Yanwei Chai*, Peking University, *New Danweism: A new conceptual framework for the future development of Urban China.*

1:00 Yue Shen*, Peking University; Mei-po Kwan, University of California, Berkeley; Yanwei Chai, Peking University, *Urban Form, Activity Space and Activity-Travel Behavior in Beijing Suburbs: A Comparative Study of An Affordable Housing Community and A New Town with GPS Data.*

1:20 Zidan Mao*, Peking University; Yanwei Chai, Peking University, *The Daily Path and Family Project of "Danwei Member": A study on Individual Behavior and Societal Change in China's Transition.*

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3420. Postcolonial Territoriality and the Contradictions of Modern State-Space

Room: Sacramento, Westin, Level 2 (Paper Session)

ORGANIZER(S): Sharad Chari; Asher Ghertner, Rutgers University

CHAIR(S): Sharad Chari

12:40 Simón Uribe*, The London School of Economics, *State and frontier: a brief historical geography of a road in the Putumayo region of Colombia.*

1:00 D. Asher Ghertner*, Rutgers University, *Fractal geographies of government: New spatializations of the state in urban India.*

1:20 Sharad Chari*, Centre for Indian Studies in Africa, University of the Witwatersrand, *From Progressive Segregation to the Science Fiction of Apartheid's Spatial Fix: Ruinous Dialectics in Durban.*

1:40 Paul Amar*, UCSB, *"Thuggishness," 'Piety,' and 'Moderateness': Triangulating the Spatial Subjects of Egypt's Brotherhood State, and Revisibilizing Queer Popular Sovereignty Alternatives."*

Discussant(s): Akhil Gupta, University of California, Los Angeles (UCLA), Dept. of Anthropology

3421. Climate, Climate Change, and Meteorology

Room: San Diego, Westin, Level 2 (Poster Session)

ORGANIZER(S): Program Committee

Robert Gauthreaux III, M.S. Student*, Southern Regional Climate Center, *Identifying Extreme Dew point Variability in the Southeast United States.*

Leslye Mitty Mohon*, Texas A&M University; Brendan E Roark, Department of Geography, Texas A&M University, College Station, TX 77840; Renald Renald Guillemetter, 2Department of Geology and Geophysics, Electron Microbe Lab, Texas A&M University, College Station, TX 77840; Nancy Prouty, 3US Geological Survey, 400 Natural Bridges Drive Santa Cruz, CA 95060; Steve Ross, Center for Marine Science, University of North Carolina at Wilmington, Wilmington, NC 28409, *Validating Annual Growth Bands of Deep Sea Corals from the Gulf of Mexico and Southeastern United States.*

Rafique Ahmed*, University of Wisconsin La Crosse, *Global Warming and Climate Change: A Scientific Inquiry and Reality Check.*

Kevin T. Law*, Marshall University; Shawn Cheeks, Marshall University; Joseph Fitzwater, Marshall University, *Analyzing the Environmental Preconditions of the 2012 Mid-Atlantic Derecho.*

Belayet Khan*, Eastern Illinois University, *An investigation of Monthly and Seasonal Temperature and Precipitation Trends in Bangladesh.*

Weiyu Kong*, UF GEOG, *The Relationship between ENSO and Inter-annual Variation of Environmental Precipitable Water Amount of North Atlantic Ocean Basin Hurricane.*

William Tollefson*, Louisiana State University; Robert V Rohli, PhD, Louisiana State University, *Assessing the Utility of Pasquill Stability Types for Modeling Pesticide Dispersion.*

Sharmistha Swain, Dr.*, Climate Science Center, Texas Tech University; Katharine Hayhoe, Dr., Climate Science Center, Texas Tech University, *Assessing Future Drought Risk in the USA Using Global Climate Model Derived Standardized Precipitation Index.*

Jeremy E Diem*, Georgia State University; Joel Hartter, University of New Hampshire; Sadie J Ryan, SUNY-ESF; Michael Palace, University of New Hampshire; Colin Chapman, McGill University, *Assessment of Gridded Rainfall Products in Western Uganda.*

Katherine Swanson*, Carthage College, *Advancing Derecho Forecasting.*

Steven Figueroa*, *An evaluation of river sediment plume distribution of Rio Grande de Manati and Rio Grande de Arecibo in the north-central coast of Puerto Rico: and its implications in local fisheries activities. Phase II.*

Zhang Jinyu*, Harbin Research Center of Northeast Asia Climate Resources; Wenhui Zhang, Harbin Research Center of Northeast Asia Climate Resources, *Public Goods Trading in Northeast Asia under the Background of Global Climate Change.*

Anthony M Foyle*, Penn State Erie, The Behrend College; Michael D Naber, Penn State Erie, The Behrend College, *Bluff-Face Groundwater Flux as a Driver of Coastal-Zone Land Loss on the Southern Great Lakes Coast: A Case Study from the Pennsylvania Coast of Lake Erie.*

Maria A. Caffrey*, National Park Service; Rebecca L. Beavers, National Park Service, *Predicting the Impact of Sea Level Rise: Progress and Challenges in Developing Site Assessments for Each of America's Coastal National Parks.*

Barry Keim*, Louisiana State University; Michael Roberts, Louisiana State University; Jill Trepanier, Louisiana State University, *Return Periods for Dry Spells in the South Central U. S..*

Ruth Baker*, University of Wisconsin - River Falls, *Trends in Snow-to-Rain Ratios in the Upper Midwestern US.*

Jill S. M. Coleman*, Ball State University; Dagmar Budikova, Illinois State University, *Influence of the North Atlantic Oscillation on Eastern U.S. Summer Streamflow.*

Timothy Andrew Joyner*, Louisiana State University; Robert V Rohli, Louisiana State University; Carol J Friedland, Louisiana State University; Anna M Trevino, Louisiana State University; Gernot Paulus, Carinthia University of Applied Sciences, *Cokriging for European Wind Storm Surfaces: Where There's a Wind, There's a Way.*

Emily Powell, PhD Candidate*, Louisiana State University, *Temperature and Precipitation Indicators of Climate Extremes across the Southeast United States.*

Winston T.L. Chow*, Arizona State University & National University of Singapore; Benjamin L. Ruddell, Arizona State University, *Initial results from detailed microclimate observations taken within a planned residential community in Phoenix, AZ..*

Robert V. Rohli*, Louisiana State University; Timothy Andrew Joyner, Louisiana State University; Cynthia Shaw, Earth and Marine Science Illustration; Javier R Vazquez, Louisiana State University, *Global Shifts in Koppen Climate Types.*

Emily Morris*, Appalachian State University; Rezaul Mahmood, Western Kentucky University; Christopher Badurek, Appalachian State University, *Synoptic classification of urban heat island-initiated precipitation events around three urban centers in the Kentucky-Ohio River Valley.*

Joshua M. Gilliland*, Louisiana State University; Barry Keim, Louisiana State University, *The contribution of high winds associated with tropical systems along Atlantic Canada.*

Dr. Jennifer Collins*, University of South Florida; David Roache, University of South Florida, *2012 Hurricane Season - A Comparison with Climatology and Intraseasonal Variability..*

Eloho Tobrise*, University of Washington, Seattle, *Temperature Trend and its Impact on Rainfall in St. Louis, Missouri: Any Evidence of Global Warming?.*

Savannah A Collins*, University of Tennessee; Henri D Grissino-Mayer, University of Tennessee, *The Influence of Climate Anomalies on the Development, Sequence and Outcome of Hurricane Sandy.*

Colleen Garrity, Ph.D.*, SUNY-Geneseo; Adrienne K Tucker, SUNY-Geneseo, *Relationships Between Monthly*

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Western U.S. Surface Hydrological Extremes and Upper-Level Winds.

John Gray*, Carthage College, *Forecasting Significant Tornadoes: A Study of Two Historic Events.*

Alicia M Campo, Dr.*, CONICET - UNSUR; Paula A Zapperi, Dr., CONICET - UNSUR, *Spatial and seasonal variations in pH rainwater, Bahía Blanca - Argentina.*

Tiefei JIA*, Geography Department, Shanghai Normal University, *Metal element enrichment characteristics of lake sediments during the last 150 years on the middle and lower reaches of Yangtze River in China.*

Sarah S. Keihany, B.S.*, Jiann-Ping Hsu College of Public Health Georgia Southern University; Mark R. Welford, Ph.D., Dept. of Geology and Geography Georgia Southern University; Brian H. Bossak, Ph.D, MPH, Jiann-Ping Hsu College of Public Health Georgia Southern University, *Coastal Georgia is Not Immune: Hurricane History Analysis, 1851-2000.*

3423. R.S. Tarr Student Illustrated Paper Competition (Sponsored by Cryosphere Specialty Group)

Room: San Jose, Westin, Level 2 (Illustrated Paper Session)

ORGANIZER(S): Andrew Klein, Texas A&M University

CHAIR(S): Andrew Klein, Texas A&M University

12:40 Kristen Pyne*, The George Washington University; Kelsey E. Nyland, The George Washington University; Anna E. Klene, PhD, The University of Montana, *Detecting Snow-pack development using temperature observations in Arctic Alaska.*

12:43 Panshu Zhao*, Department of Geography, Texas A&M University--College Station; Michael P Bishop, Department of Geography, Texas A&M University--College Station, *Object-Oriented Analysis of Satellite Imagery for Mapping Debris-Covered Glaciers in the Himalaya.*

12:46 Andrew G Klein*, Texas A&M University; Joni L Kincaid, Texas A&M University; Iliyana D Dobрева, Texas A&M University; Panshu Zhao, Texas A&M University, *Investigating the potential of monitoring albedo changes on tropical glaciers using MODIS and Landsat.*

12:49 Emily Sturdivant*, Clark University; Karen E Frey, Ph.D., Clark University; Christopher D. Arp, Ph.D., University of Alaska Fairbanks, *Detection of arctic lake melt and freeze: spatio-temporal variability for six lakes on the Alaskan North Slope from QuikSCAT 1999-2009.*

12:52 Samuel L Berman*, Clark University; Karen E Frey, Clark University, *Thermokarst Lake Analysis and Comparison in Chiersky, Northeast Siberia.*

3425. On criticality in mapping: GeoDesign, GIS, and Planning

Room: Emerald Bay, Westin, Level 3 (Panel Session)

ORGANIZER(S): Annette Kim, MIT

CHAIR(S): Annette Kim, MIT

Discussant(s): Matthew W. Wilson, University of Kentucky; Jeffrey Hou, University of Washington

Panelists: Matthew Zook, University of Kentucky; Annette Kim, MIT; Stuart C. Aitken, San Diego State University; Kofi Boone, NC State University

3426. Geography Towards Revolution for Neil Smith Part II: Geography & Scale (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, History of Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)

Room: Hollywood Ballroom, Westin, Level 3 (Panel Session)

ORGANIZER(S): Keith Miyake, CUNY Graduate Center;

Morgan Buck, CUNY Graduate Center

CHAIR(S): Zoltán Glück

Discussant(s): Jesse Goldstein, Graduate Center, CUNY

Panelists: Nathaniel Sheets, CUNY Graduate Center; Zoltán Glück; Jess Bier, Maastricht University

3427. Spatio-temporal Analysis of Vector-borne Disease I (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group, Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica A, Westin, Level 3 (Paper Session)

ORGANIZER(S): Eun-hye Yoo, University At Buffalo (SUNY); Jared Aldstadt, University at Buffalo

CHAIR(S): Eun-hye Yoo, University At Buffalo (SUNY)

12:40 Cory Morin*, University of Arizona, *Climate Driven Simulations of Dengue Virus Transmission in San Juan, PR.*

1:00 Elia Axinia Machado*, Lehman College of The City University of New York (CUNY), *Identifying potential areas at risk of dengue fever in Mexico due to climate change and population increase..*

1:20 Coline Dony, MA*, Department of Geography and Earth Sciences, University of North Carolina at Charlotte, Charlotte, NC; Eric Delmelle, PhD, Department of Geography and Earth Sciences, University of North Carolina at Charlotte, Charlotte, NC; Irene Casas, PhD, Department of Social Sciences, Louisiana Tech University, Ruston, LA; Elizabeth Delmelle, PhD, Department of Geography and Earth Sciences, University of North Carolina at Charlotte, Charlotte, NC, *Disparities in Travel to Health Facilities for Dengue Fever Patients in Cali, Colombia.*

1:40 Jared Aldstadt*, University at Buffalo; Prasan Kankaew, University at Buffalo, *The Demographic and Environmental Risk Factors for Hospitalized Dengue in Kamphaeng Phet, Thailand.*

3428. New Approaches to Neighborhoods and Health I: Food access (Sponsored by Health and Medical Geography Specialty Group, Geographies of Food and Agriculture Specialty Group, Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica B, Westin, Level 3 (Paper Session)

ORGANIZER(S): Jerry Shannon, University of Minnesota;

Kelsey McDonald, Univ. of Minnesota

CHAIR(S): Kelsey McDonald, Univ. of Minnesota

12:40 Jonnell Robinson*, Syracuse University; Evan Weissman, Syracuse University; Matthew Potteiger, SUNY-ESF; Susan Adair; Sean Keefe, Syracuse University, *Beyond Food Deserts: Understanding the Complex Barriers to Fresh Produce Access in Syracuse, New York.*

1:00 Margaret Pettygrove*, University of Wisconsin-Milwaukee; Rina Ghose, PhD, University of Wisconsin-Milwaukee, *Modeling Urban Food Environments: A Mixed-Method Approach.*

1:20 Jerry Shannon*, University of Minnesota, *Beyond distance and density: Using GPS and shopping diaries to identify factors shaping food procurement.*

1:40 Rachel Engler-Stringer, University of Saskatchewan; Tayyab Shah, University of Saskatchewan; Scott Bell*, University of Saskatchewan; Nazeem Muhajarine, University of Saskatchewan, *Geographical inequalities in children's access to healthy and less-healthy food sources.*

3429. Ecologies of Well-Being III (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica C, Westin, Level 3 (Paper Session)

ORGANIZER(S): Tim Schwanen, University of Oxford; David

Conradson, University of Canterbury

CHAIR(S): Tim Schwanen, University of Oxford

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12:40 Angela L. Orthmeyer, M.E.M.*, NOAA/NOS/NCCOS/CCMA Biogeography Branch; Theresa L. Goedeke, Ph.D., NOAA/NOS/NCCOS/CCMA Biogeography Branch, *Economic Well-being and the Deepwater Horizon Disaster: Exploring the Influence of Shoreline Oiling on Gulf Coast Communities.*

1:00 Ruth E Brennan*, Scottish Association for Marine Science (SAMS), *Connecting nature conservation and community well-being on a small Scottish island: an invisible world revealed.*

1:20 Zan Dodson*, University of Maryland, College Park; Julie Silva, University of Maryland, College Park, *Linking perceptions of well-being to land use change: Lessons from the Great Limpopo Transfrontier Park, Mozambique.*

1:40 Montserrat Pallares-Barbera*, Universitat Autònoma de Barcelona; Antònia Casellas Casellas, Universitat Autònoma de Barcelona; Sònia Sánchez-Mateo Sánchez-Mateo, Institut de Ciència i Tecnologia Ambientals (ICTA) and UAB; Martí Boada Boada, Universitat Autònoma de Barcelona and Institut de Ciències Ambientals (ICTA); Jaume Marlès-Magre Marlès-Magre, Institut de Ciència i Tecnologia Ambientals (ICTA) and UAB, *Well-being, Biodiversity and Urban Planning in Barcelona.*

2:00 Angela Loder*, University of Toronto, *Emotion, control, and messy landscapes: exploring urban greening projects and human health and well-being.*

3430. Rural Geography 1: New Voices in Rural Geography (Sponsored by Rural Geography Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Renata Blumberg, University of Minnesota; Colleen Hiner, UC Davis
CHAIR(S): Colleen Hiner, UC Davis

12:40 Catherine Jampel*, Penn State University, *Now there are only cows: The new livestock economy in the northern Ecuadorian Andes.*

1:00 Carrie Rebecca Freshour, Graduate Student Development Sociology*, Cornell University, *The United Packinghouse Workers of America: Race, Place, and Community Unionism.*

1:20 Sarah Ives*, Stanford University, *Uprooting Autochthony in South Africa: Climate Change and Rooibos Tea's Southward Creep.*

1:40 Richard Salkowe*, University of South Florida; Jayajit Chakraborty, University of South Florida, *Rural Disasters: Federal Relief and Community Recovery in Flood-Affected Rural Counties of the U.S..*

Discussant(s): Peter Nelson, Middlebury College

3434. Rethinking Colonialism and Post-Colonialism

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee
CHAIR(S): Agostino Mantegna, University of California, Los Angeles (UCLA)

12:40 Connor Donegan*, University of British Columbia, *Slavery, Colonialism and the Genesis of American Capitalism.*

1:00 Luc Guillemot*, Ecole polytechnique fédérale de Lausanne; Boris Beaude*, Ecole polytechnique fédérale de Lausanne, *World politics of a space without territory.*

1:20 Pedro P Geiger*, Universidade Estadual do Rio de Janeiro, *Learning from the globalization geographies.*

1:40 Agostino Mantegna*, University of California, Los Angeles (UCLA), *Territorial Politics: A Macro-Analytical Approach.*

2:00 Max Andrucki*, Temple University; Jen Dickinson*, University of Leicester, *Rethinking centers and*

margins: transnational histories and embodied performances of UK-Africa relationships.

3435. Meet the Authors: California authors Darrel Hess and William Selby (Sponsored by Community College Affinity Group)

Room: Laguna Parlor 3028, Westin, 30th Floor (Panel Session)

ORGANIZER(S): Sarah Goggin

CHAIR(S): Sarah Goggin

Panelists: Darrel Hess, City College of San Francisco; William Selby, Santa Monica College

3436. Hybrid places: dynamics and representations of Eastern and Western European Cities. 1 (Sponsored by Global Urbanization)

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Petros Petsimeris, University Paris 1 - Sorbonne; Magdalena Gorczynska, Institute of Geography and Spatial Organization, Polish Academy of Sciences

CHAIR(S): Petros Petsimeris, University Paris 1 - Sorbonne

12:40 Grzegorz Weclawowicz*, Institute of Geography and Spatial Organization Polish Academy of Sciences, *Towards a theory of socio-spatial change in the post-socialist cities of Central and Eastern Europe..*

1:00 Caroline Bouloc*, University of Paris I, *'Upper class' - space re-appropriation in Warsaw: a challenge of social reproduction.*

1:20 Carles Carreras*, University of Barcelona; Jordi Martin, University of Barcelona; Sergi Martinez-Rigol, University of Barcelona; Lluís Frago, University of Barcelona, *Hybrid Places, The Sarajevo Case.*

1:40 Magdalena Gorczynska*, Institute of Geography and Spatial Organization, Polish Academy of Sciences, *Changes in the social composition in pre-war housing in Warsaw.*

Discussant(s): Ludek Sykora, Charles University in Prague

3437. Hydroclimatology 1 (Sponsored by Climate Specialty Group, Cryosphere Specialty Group, Water Resources Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Christopher Labosier, Texas A&M University; Laiyin Zhu, Department of Geography, Texas A&M University

CHAIR(S): Christopher Labosier, Texas A&M University

12:40 Yongkang Xue*, University of California, Los Angeles (UCLA); ratko vasic, National Center for Environmental Prediction (NCEP), NOAA; suosuo Li, University of California Los Angeles (University of California, Los Angeles (UCLA)); Fernando De Sales, University of California Los Angeles (University of California, Los Angeles (UCLA)); catalina oaida, University of California Los Angeles (University of California, Los Angeles (UCLA)); David Robinson, Rutgers University; zavis Janjic, National Center for Environmental Prediction (NCEP), NOAA; Y. M. Liu, Institute of Atmospheric Physics, China; Peter c Chu, Naval Postgraduate School, *The impact of spring subsurface soil temperature and snow anomaly in the Western U.S. on Southern U.S. summer precipitation and the Texas drought 2011.*

1:00 Trenton Ford*, Texas A&M University; Steven Quiring, Texas A&M University; Chris Ole Wulff, Christian-Albrechts-Universität zu Kiel, *Assessment of Observed and Model-Derived Soil Moisture-Evaporative Fraction Interactions over the United States Southern Great Plains.*

1:20 Steven Quiring*, Texas A&M University; Trenton Ford, Texas A&M University; Anita Rapp, Texas A&M University, *Is precipitation more likely over dry soils?.*

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1:40 Justin T Maxwell, Ph.D.*, Indiana University; Jason T Ortegren, Ph.D., University of West Florida; Paul A Knapp, Ph.D., University of North Carolina at Greensboro; Peter T Soulé, Ph.D., Appalachian State University, *Tropical cyclones and drought amelioration in the Gulf and Southeastern Coastal United States.*

3438. Urban and Political Geographies of Los Angeles

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Revel Sims, University of California, Los Angeles (UCLA) Department of Urban Planning

12:40 Samuel G Krueger, MS*, University of Southern California, *Delimiting the postmodern urban center: an analysis of urban amenity clusters in Los Angeles.*

1:00 Daniel Olmos*, University of California, Santa Barbara, *Metropolitan Migration Regimes: Racial Power, Borderzones and Urban Governmentality.*

1:20 Revel Sims*, University of California, Los Angeles (UCLA) Department of Urban Planning, *Unmasking Evictions: A Cross-sectional Analysis of Eviction in Los Angeles.*

3439. Defining the Housing Question in East Asia's post-crisis housing boom I (Sponsored by China Specialty Group, Asian Geography Specialty Group)

Room: Laguna Parlor 3068, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Yi-ling Chen, National Dong Hwa University, Taiwan; Jun Wang, Hong Kong Baptist University

CHAIR(S): Jun Wang, Hong Kong Baptist University

12:40 Shu-Mei Huang, PhD Candidate in Built Environment*, University of Washington; lam Chong Yip, PhD, Lingnan University, *Invisible Care in Marketing Housing: The Case of Serviced Apartment boom in post-handover Hong Kong.*

1:00 Yi-ling Chen*, University of Wyoming, *Reconstructing low-income housing in Taipei City, Taiwan.*

1:20 Ying Zhou*, ETH SEC, *Between development and heritage protection: cases of high-density low-income housing in city center Shanghai.*

1:40 I-Chih Lan*, Department of Real Estate and Built Environment, National Taipei University, Taiwan, *Mega-project as the arena for regime contestation: the postponed construction of West Kowloon Cultural District and the struggle of divergent urban regimes.*

Discussant(s): Si-Ming Li, Hong Kong Baptist University

3440. Rural out-migration, trans-border connections, and environmental governance: I (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Rural Geography Specialty Group)

Room: Malibu Parlor 3018, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Daniel Klooster, University of Redlands

CHAIR(S): Daniel Klooster, University of Redlands

12:40 Karl Zimmerer*, Pennsylvania State University, *Migration, Urbanization, and Water Resources in the Crossroads of Agrobiodiversity Change: Contradictions or Compatibilities?.*

1:00 Edwin J Castellanos*, Universidad del Valle de Guatemala; Arild Angelsen, Norwegian University of Life Sciences; Helda Morales, Colegio de la Frontera Sur; Matthew Taylor, University of Denver; John H Ainembabazi, Norwegian University of Life Sciences; Mariel Aguilar-Stoen, University of Oslo, *Migration, remittances and land use in Guatemala and Mexico.*

1:20 Richard C. Jones*, University of Texas at San Antonio, *The Decline of International Migration as an Economic Force in Rural Areas: a Mexican Case Study.*

1:40 William C. Rowe*, Louisiana State University, *The Effects of a Half-Hearted Neo-Liberal Transformation on Rural Out-Migration and the Environment in*

Tajikistan.

2:00 Matthew Taylor*, University of Denver; Edwin Castellanos, Universidad del Valle; Mariel Aguilar-Stoen, University of Oslo, *Migration and The Environment in Ixcán, Guatemala: A Twenty-Year View.*

3441. Damming Yunnan: Policies and Impacts (Sponsored by China Specialty Group, Symposium on New Geographies of Urban China)

Room: Malibu Parlor 3038, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Sabrina Habich, National Chengchi University; Jean-François Rousseau, McGill University

CHAIR(S): Jean-François Rousseau, McGill University

12:40 Yann Roche*, University of Quebec in Montreal; Olga V Alexeeva, Université du Québec à Montréal, *Energy Security and Environmental Issues in China: the Mekong River hydropower development projects.*

1:00 Sabrina Habich*, National Chengchi University, *Dam-induced Resettlement in China - Policy Change and Implementation.*

1:20 Jean-François Rousseau*, McGill University, *This land is our life: The livelihood impacts of hydropower development along the Chinese section of the Red River.*

Discussant(s): Janet Sturgeon, Simon Fraser University

3442. Continuity and Change in the 21st Century Urban Landscape: Focus - Gentrification and Urban Revitalization (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Malibu Parlor 3058, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Madhuri Sharma, University of Tennessee, Knoxville; Michael D. Webb, The Ohio State University

CHAIR(S): Madhuri Sharma, University of Tennessee, Knoxville

12:40 Matthew Anderson*, Montana State University, Billings; Carolina Sternberg, DePaul University, *Racial Economy and "Non-White" Gentrification in Chicago's Bronzeville and Pilsen.*

12:56 Euan Hague*, DePaul University, *Condos, Gentrification and Neighborhood Destabilization in Pilsen, Chicago.*

1:12 Brian Edward Johnson, Ph.D.*, Auburn University at Montgomery, *The Geography of In-Migration to Birmingham, Alabama's Revitalized City Center.*

1:29 Devinder Singh*, Department of Geography., *Politics of memory and production of symbolic landscape in an Indian regional capital.*

1:46 Michael D. Webb*, The Ohio State University, *Smart Philanthropy, Strategic Targeting, and New (?) Processes of Neighborhood Change.*

3443. Leisure, Tourism, and Political Ecology (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Erik Jönsson, Lund University; Linda Boukhris

CHAIR(S): Linda Boukhris

12:40 Eric Alms, PhD Candidate*, University of Zurich, *A Political Ecology of Sustainable Tourism and Nature Conservation in China.*

1:00 Adam Keul*, University of Connecticut, *Tourism and the Southern swamp: sell out or savior?.*

1:20 Erik Jönsson*, Lund University, *Thinking through the spaces of high-end leisure: Golf, political ecology and contemporary economic topographies.*

1:40 Duncan Ranslem*, University of British Columbia, *Walking, Way-finding, and the Experience of 'Europe'.*

Discussant(s): Linda Boukhris

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3444. Corporations and Development: contested capitalism and encounters (Sponsored by Development Geographies Specialty Group)

Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Heather P. Bedi, University of Cambridge; Tatiana Thieme, University of Cambridge

CHAIR(S): Heather P. Bedi, University of Cambridge

12:40 Kacy McKinney, PhD*, Middlebury College, *The benefits of obscure connections: Monsanto and child labor in hybrid Bt cotton seed production in Western India.*

12:55 Deborah Cheng*, University of California Berkeley, *Contestations at the Last Mile: The Corporate-Community Delivery of Water in Manila.*

1:10 Tatiana A. Thieme*, University of Cambridge, *"Turning social needs into market demands: the micro-politics of commodifying 'basic' services in Nairobi's informal settlements".*

1:25 Heather P. Bedi, PhD*, Freie University Berlin, *Corporate 'Development' and Voluntary Principles: Problematizing Land Grabbing and Human Rights Violations in Bangladesh.*

1:40 Zoe Bray, University of Nevada, Reno; Christian R. Thauer*, Freie Universitaet Berlin, *Community Bites. Local Communities, Global Production, and the Common Good.*

3445. Latin American Immigration and its Impacts

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Marina Islas, University of Texas at Austin

12:40 Frida Güiza, PhD, Universidad Nacional Autónoma de México; Brian M Napoletano, PhD*, Universidad Nacional Autónoma de México; Antonio Vieyra, PhD, Universidad Nacional Autónoma de México; Jaime Paneque-Gálvez, ABD, Universidad Nacional Autónoma de México, *Geospatial rift, rural-urban migration, and land-use changes in two Latin-American nations: Bolivia and Mexico.*

1:00 Fiona Gladstone*, Portland State University, *Safety in Maize? Labor Migration and Agriculture in the Zapotec Town of Santiago Apóstol, Mexico.*

1:20 Scott Warren*, Arizona State University, *Artifacts from the Sonoran Desert: Heritage and Legitimacy on Public Lands.*

1:40 Gillian Gregory*, McGill University, *Incorporating the role of rural-urban migration into plans for resource management in protected areas: A case study from the Pacaya Samiria National Reserve, Peru.*

2:00 Marina Elissa Islas*, University of Texas at Austin, *"¿Y por qué estás lavando?" / And why are you washing? : Return migration, gender roles, and relationships in Coyolillo, Veracruz.*

3446. Political Ecology, Women, and Methodology

Room: Malibu Parlor 3158, Westin, 31st Floor (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jacquelyn Miceli-Voutsinas, Syracuse University

12:40 Gina Sarfaty*, Population Action International; Clive Mutunga, Population Action International, *Mapping Population and Climate Change Vulnerabilities: Communicating Innovation.*

12:45 Rachel Garcia, MS Natural Resources Management*, University of Alaska Fairbanks; David V Fazzino, PhD, JD, University of Alaska Fairbanks, *Feeding People or Staying Afloat: Conflicting Farmer Identities in Market-based Solutions to Community Food Security in Interior Alaska.*

12:50 Hannah Jaicks, M.A. Psychology*, The CUNY Graduate Center, *Carnivorous Constructions: Towards an Understanding of Children's Attitudes and Perceptions*

of Iconic Predators.

12:55 Cathleen M Johnson*, West Virginia University, *Empowering young women and challenging gender norms: a study of Topu Honis Shelter Home in Oecussi, Timor-Leste.*

1:00 Angela Person*, The University of Oklahoma, *Locating brutality: An architectural geographic study of downtown Washington, DC.*

1:05 Martina Angela Caretta*, Stockholm University, *Member checking and interviews in the taskscape: emerging feminist geographical methods.*

1:10 Ashley Fent, PhD Student*, University of California, Los Angeles (UCLA), *The Fruits of Women's Labor: Baobab as a Target of Conservation, Commoditization, and Development in West Africa.*

1:15 Jacque Miceli-Voutsinas*, Syracuse University, *Geographies of Trauma: An Introductory Conversation.*

1:20 Yvonne Riano*, Department of Geography, University of Bern, Switzerland, *The Production of Knowledge as a "Minga": Challenges and Opportunities of Methodological Approaches based on Co-determination and Reciprocity.*

3447. Spatial Analysis and Health

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Meagan Hatton, North Texas Department of Geography

12:40 Ping Yin*, University of North Carolina at Greensboro, *Effects of season and ambient temperature on birth weight in different maternal age groups in Georgia.*

1:00 Warangkana Ruckthongsook, MS*, University of North Texas; Joseph Oppong, PhD, University of North Texas; Chetan Tiwari, PhD, University of North Texas; Sonia Arbona, PhD, Texas Department of State Health Services, *Spatial variation of modes of exposure to HIV/AIDS in different age and race/ethnic groups in Texas.*

1:20 Emmanuel H Aggrey-Korsah*, University of North Texas; Joseph R Oppong, PhD, University of North Texas; Chetan Tiwari, PhD, University of North Texas, *Spatial Mismatch between Access to HIV/AIDS Service Centers and HIV Infection in Texas.*

1:40 Janthima Srisombat*, University of North Texas; Joseph Oppong, Professor, University of North Texas; Chetan Tiwari, Assistant Professor, University of North Texas, *Neighborhood characteristics and Tuberculosis in Tarrant County Texas.*

2:00 Meagan Christine Hatton, Undergraduate Student*, North Texas Department of Geography; Joseph R Oppong, University of North Texas Department of Geography; Chetan Tiwari, University of North Texas Department of Geography, *Comparing the Spatial Patterns of HIV/AIDS among Areas of Extreme Poverty in Urban and Rural Texas.*

3450. Eurasia's Environmental, Economic, and Geopolitical Transformations PART III (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Global Urbanization, Energy and Environment Specialty Group, Economic Geography Specialty Group)

Room: Angeleno, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel Trumbull, University of Connecticut

CHAIR(S): Jeremy Tasch, Towson University

12:40 Tuomas Suutarinen*, University of Helsinki, *Acceptance of foreign investments in a Russian mining community.*

1:00 Jeremy Tasch, Ph.D.*, Towson University, *Tiffany's, Gucci, & Dior: Azerbaijan's Oil Wealth and the Hope for Trickle Down Along the Absheron Peninsula.*

Discussant(s): Tom Narins, Student

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3451. An unlikely success story? Olympic cities and the London 2012 experience (I): Modeling Success? The mobility of Olympic Game experiences

Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Joachim Thiel, HafenCity University of Hamburg; Mike Raco, University College London

CHAIR(S): Gernot Grabher, HafenCity University

Introducer: Gernot Grabher

12:45 Greg Andranovich*, Department of Political Science; Charles Heying, Portland State University; Matthew J. Burbank, University of Utah, *Olympic Cities: Learning from Lessons Learned*.

1:00 Joachim Thiel*, HafenCity University of Hamburg; Gernot Grabher, HafenCity University, *Bad Practice? How negative role models shape the planning strategies for mega-events - the case of London Olympics 2012*.

1:15 Gabriel Silvestre*, UCL Bartlett School of Planning, *Olympic Games and Policy Models: The Barcelona imprint on Rio de Janeiro's mega-event strategy*.

1:30 John Lauermaun*, Clark University, *Assessing Olympic development: the mobile evolution of Olympic Games impact assessments*.

1:45 Mike Raco*, University College London; Susan Moore, University College London; Ben Clifford, University College London, *Mega-events, Project Delivery, and Knowledge-Transfer: The Olympics 2012 Learning Legacy Agenda and the Emergence of a London Development Model*.

Discussant(s): Allan Cochrane, Open University

3452. IGERT Students honoring David Mark (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)

Room: Grand Ballroom Salon 1, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): LaDonna Knigge, California State University, Chico; Jeffrey Brunskill, SUNY - Buffalo

CHAIR(S): LaDonna Knigge, California State University, Chico

Panelists: Barry Kronenfeld, Eastern Illinois University; Gaurav Sinha, Ohio University; Christopher Badurek, Appalachian State University; Jeffrey Brunskill, SUNY - Buffalo

3453. Histories of radical and critical geography (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Grand Ballroom Salon 2, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Trevor Barnes, University of British Columbia

CHAIR(S): Trevor Barnes, University of British Columbia

Introducer: Trevor Barnes

Panelists: Jamie Peck, University of British Columbia; Linda Peake; Bobby Wilson, University of Alabama; Audrey L. Kobayashi, Queen's University; Nik Heynen, University of Georgia; Eric S. Sheppard, University of Minnesota - Minneapolis

3454. Cultural Geography of Marine Resource Management - Session 1 (Sponsored by Cultural and Political Ecology Specialty Group, Coastal and Marine Specialty Group)

Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Arielle Levine, San Diego State University;

Laurie Richmond, Humboldt State University

CHAIR(S): Arielle Levine, San Diego State University

Introducer: Arielle Levine

12:45 Laurie Richmond*, Humboldt State University; Dawn Kotowicz, PhD, NOAA Fisheries/University of Hawaii, *Regulations and Power: Politics of 'Traditional Indigenous Fishing' in the Marinas Trench Marine National Monument*.

1:05 Barbara Quimby*, San Diego State University, *Emerging Traditions: artisanal fishing practices in Aceh, Indonesia*.

1:25 Arielle Levine*, San Diego State University; Laurie

Richmond, Humboldt State University, *Examining Institutions for Community-based Fisheries Management in Hawaii and American Samoa*.

1:45 Annette Watson*, College of Charleston, *Making Visible the Subsistence Harvest of the Gullah/Geechee: Equitably Managing Fisheries of the Southeastern US*.

Discussant(s): Arielle Levine, San Diego State University

3455. Societal risk from tsunami hazards (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Nathan Wood, United States Geological Survey; Jamie Ratliff, USGS

CHAIR(S): Nathan Wood, United States Geological Survey

12:40 Nathan Wood*, United States Geological Survey; Seth Spielman, PhD, University of Colorado - Boulder, *Place-classification analysis of community vulnerability to near-field tsunami threats in the U.S. Pacific Northwest*.

1:00 Jamie L. Ratliff*, U.S. Geological Survey; Nathan J. Wood, U.S. Geological Survey; Jeff Peters, U.S. Geological Survey, *Community variations in population exposure to multiple tsunami hazards in California*.

1:20 Mathew C. Schmidlein*, California State University, Sacramento; Nathan J. Wood, USGS, *Sensitivity analysis of an anisotropic least-cost-distance tsunami pedestrian evacuation model*.

1:40 Jeffrey A. Peters*, U.S. Geological Survey, Western Geographic Science Center, Menlo Park CA.; Mathew Schmidlein, California State University, Sacramento CA.; Nathan Wood, PhD, U.S. Geological Survey, Western Geographic Science Center, Portland OR., *Comparison of tsunami vulnerability by modeling pedestrian evacuation: 1964 and 2010 Seward, Alaska*.

2:00 Jeanne Jones*, U.S. Geological Survey; Peter Ng, U.S. Geological Survey; Nathan Wood, U.S. Geological Survey, *The Pedestrian Evacuation Analyst - modeling evacuation potential from near-field tsunami threats*.

3456. Mixed Methods and Hybrid Epistemologies in Climate Change Research II (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: Highland, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Jeff Popke, East Carolina University; Douglas Gamble, University of North Carolina - Wilmington

CHAIR(S): Douglas Gamble, University of North Carolina - Wilmington

12:40 Emilie Cameron*, Carleton University; Rebecca Mearns, Nunavut Sivuniksavut, *Genealogies of Adaptation and Resilience in Contemporary Nunavut*.

1:00 Pheakkdey Nguon*, Clark University, *Effectiveness, Efficiency and Equity: Stakeholders' Decisions on the Science of Policy to Reduce Emissions from Deforestation and Degradation (REDD+)*.

1:20 Morey Burnham*, Utah State University; Zhao Ma, Ph.D., Utah State University; Baoqing Zhang, Northwest Agricultural and Forestry University, China, *Mixed methods, mixed results: examining smallholder climate change perception, vulnerability and adaptation in northwest China*.

1:40 Eliza R. de Vet*, University of Wollongong, Earth and Environmental Sciences, *Exploring the role of weather in everyday life - now and under future climate change*.

2:00 Maureen Biermann*, Pennsylvania State University, *Warm and Fuzzy or Cold and Prickly: Navigating the Relationship Between Climate Change Adaptation and Development*.

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- 3457. Interrogating constructions of biodiversity for 21st century challenges 1: Co-constructing Science (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: *Hollywood, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): Elizabeth Barron, Harvard University; Deborah Scott, Rutgers University
 CHAIR(S): Deborah Scott, Rutgers University
12:40 Elizabeth Barron*, Harvard University, *Producing Science beyond the Laboratory: The creation of epistemic authority through political engagement.*
1:00 Jake Fleming*, University of Wisconsin - Madison, *Scions, Seeds, and the Politics of Grafting: Asexual Reproduction and Biodiversity in Kyrgyzstan's Walnut-Fruit Forests.*
1:20 Krzysztof Niedzialkowski*, Mammal Research Institute Polish Academy of Sciences; Jouni Paavola, Sustainability Research Institute, School of Earth and Environment, University of Leeds; Bogumila Jedrzejewska, Mammal Research Institute Polish Academy of Sciences, *The impact of biodiversity discourse on the environmental conflicts in the European Union - Evidence from Central and Eastern Europe.*
1:40 Lisa M. Campbell*, Duke University, *Seeing Like a Scientist: Multi-Scalar Representations of Biodiversity.*
 Discussant(s): Kathryn Yusoff, Lancaster University
- 3458. Les carrés rouges (the 'red squares'): From Student Strike to Popular Movement in Quebec (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: *Melrose, The LA Hotel, Level 2 (Panel Session)*
 ORGANIZER(S): Norma Rantisi, Concordia University; Kathryn Furlong, Université de Montréal
 CHAIR(S): Julie-Anne Boudreau, INRS-Montreal
 Panelists: Ted Rutland, University of British Columbia; Julia de Montigny, Concordia University; Kevin Gould, Concordia University; Shaun Weadick
- 3459. Megaregions 3: Policy, Planning, Governance (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**
Room: *Olvera, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): John Harrison, Loughborough University; Michael Hoyler, Loughborough University
 CHAIR(S): John Harrison, Loughborough University
12:40 Tassilo Herrschel, author*, University of Westminster, *Mega-Regions and the Metropolitanisation of the Regional in Europe and North America.*
1:00 Billy Fleming, Eisenhower Graduate Transportation Fellow*, University of Texas at Austin, *Patterns of Integration Between the Texas Triangle and Gulf Coast Megaregions.*
1:20 Michael Glass*, University of Pittsburgh, *Conflicting spaces of governance in the imagined Great Lakes megaregion.*
1:40 Ronita Bardhan*, Department of Urban Engineering, the University of Tokyo, 7-3-1, Hongo, Bunkyo-ku, Tokyo, 113-8656, Japan; Kiyo H. KURISU, Research Center for Advanced Science and Technology, The University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8904, Japan; Keisuke Hanaki, Department of Urban Engineering, the University of Tokyo, 7-3-1, Hongo, Bunkyo-ku, Tokyo, 113-8656, Japan, *Relating urban form to objective quality of life using pattern recognition technique - a case study: megacity region of Kolkata, India.*
 Discussant(s): Alex Schafran
- 3460. Water Resource Protection: Exploring the Influence of Multiple Strategies (Sponsored by Regional Development and Planning Specialty Group, Applied Geography Specialty Group, Water Resources Specialty Group)**
Room: *Olympic, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): Jennifer B Alford, The university of north Carolina Greensboro
 CHAIR(S): Jennifer B Alford, The university of north Carolina Greensboro
12:40 Rosanna G Rivero, Faculty*, College of Environment and Design, The University of Georgia; Xavier Zapata-Rios, Ph.D. Candidate, Department of Hydrology and Water Resources, University of Arizona, Tucson, Arizona, USA; Ghinwa M Naja, Water Quality Scientist, Everglades Foundation; Pierre Goovaerts, Geostatistician, BioMedware, Inc., Ann Arbor, Michigan, *The Everglades ecosystem: 12 years of changes in water quality.*
1:00 Jennifer B Alford*, The university of north Carolina Greensboro; Jennifer B Alford, PhD student, University of North Carolina at Greensboro, *Toxic Ripples: The Political Structure of Impaired Streams.*
1:20 Dianna M Hogan, Ph.D.*, United States Geological Survey; Peter Claggett, United States Geological Survey; W. Dean Hively, Ph.D., United States Geological Survey; John W. Jones, Ph.D., United States Geological Survey; Terry Slonecker, Ph.D., United States Geological Survey, *Water Quality Impacts from Land Surface Change.*
1:40 Hubert Stroud*, Arkansas State University, *Water Resource Planning Issues within Pre-Platted Communities.*
2:00 Thomas Depriest*, University of TN at Martin; Anzhelika Antipova, Ph.D., University of Memphis, *Urban Sprawl and Its Impact on Flood Events in Jackson, Tennessee.*
- 3461. Geographies of Media I: Televisual Geographies (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)**
Room: *Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): John Finn, Christopher Newport University; Joseph Palis, North Carolina State University
 CHAIR(S): Joseph Palis, North Carolina State University
12:40 Stefano Bloch, Ph.D.*, California State University Northridge / Los Angeles City College, *Breaking Bad's Follow-the-thing Methodology.*
1:00 Ann Fletchall, PhD*, Western Carolina University, *Lost in Translation: The Role of Place in Global Television.*
1:20 Marco Picone*, University of Palermo, *Fictional Borders and the Everywhere War. Popular Geopolitics in George R. R. Martin's Game of Thrones.*
1:40 Victoria S Downey*, Anoka-Ramsey Community College; Meagan A Snow, University of Minnesota, *Victorian Industrialism to Victoria Beckham: Televised Teleologies and Geographic Reimagining in the London 2012 Olympic Games.*
2:00 Youjeong Oh*, University of California, Berkeley, *Marketing Cities with Korean Television Dramas.*
- 3462. Hazards, Risks, and Disasters Specialty Group Session: Models and Mapping (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: *Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): Ronald R Hagelman III, Texas State University
 CHAIR(S): Laura Cano Amaya, Texas State University
12:40 Naomi W Lazarus*, University of Connecticut, *Developing a Model to assess Hazard Risk based on Livelihoods and Social Capital: Evaluating the impacts of the Deepwater Horizon oil spill in the Gulf of Mexico.*
1:00 Shane Hubbard*, The University of Iowa; Kathleen Stewart,

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The University of Iowa, *Mapping Dynamic Event Risks During a Flood Disaster*.

1:20 Nicole Simons*, San Diego State University, *Wildland fire suppression modeling using Wildfire Analyst*.

1:40 Jonathan Goergen*, University of Iowa, *Creating Sky View Factor Maps to Predict Risk in Urban Areas from Extreme Heat Events*.

2:00 Laura Cano Amaya*, Texas State University, *Geographical Model (Phase I) for Tsunami Risk Reduction: Chile, Costa Rica, and Mexico*.

3463. Moving to Berlin 6: A Growing Laboratory of Urban Thought and Research? (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Samuel Merrill, University College London; Julia Binder, Humboldt-Universität zu Berlin

CHAIR(S): Sandra Jasper

Introducer: Sandra Jasper

Panelists: Deike Peters, USC; Alex Vasudevan, School of Geography, University of Nottingham; Nicole Huber, University of Washington; Matthew Gandy, University College London; Volker Eick, Universität Bremen, Center of European Law and Politics, Faculty of Law

3464. Carceral Geography: Debates, Developments and Directions III: 'Carceral Spaces: Mobility and Agency in Imprisonment and Migrant Detention' (Sponsored by Cultural Geography Specialty Group)

Room: Pico, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Dominique Moran, University of Birmingham; Deirdre Conlon, Saint Peter's University

CHAIR(S): Nick Gill, Exeter University

Panelists: Dominique Moran, University of Birmingham; Deirdre Conlon, Saint Peter's University; Lauren Martin, University of Oulu; Kelsey Nowakowski, Department of Geography and Planning, University of Toronto; Julie De Dardel, University of Neuchatel

3470. LANDSAT: Land Cover

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Melissa J. Rura, UMNC

CHAIR(S): Roger Auch, United States Geological Survey

12:40 Jordan Long*, ARTS, Earth Resources Observation and Science Center (EROS), U.S. Geological Survey, Sioux Falls, SD, 57198, USA; Chandra Giri, Dr., Earth Resources Observation and Science Center (EROS), U.S. Geological Survey, Sioux Falls, SD, 57198, USA; Thomas Loveland, Dr., Earth Resources Observation and Science Center (EROS), U.S. Geological Survey, Sioux Falls, SD, 57198, USA; Steve Stehman, Dr., Department of Forest and Natural Resources Management, State University of New York, Syracuse, NY, USA; Curtis Woodcock, Dr., Geography and Environment, Boston University, Boston, MA, USA; Bruce Pengra, SGT, Earth Resources Observation and Science Center (EROS), U.S. Geological Survey, Sioux Falls, SD, 57198, USA; Keith Landgraf, Earth Resources Observation and Science Center (EROS), U.S. Geological Survey, Sioux Falls, SD, 57198, USA, *Validating Global Vegetation Continuous Field Data Derived from Landsat Data*.

1:00 Bradley Rundquist*, University of North Dakota; Nicholas L. Roehrdanz, University of North Dakota, *Mapping Changes in Conservation Reserve Program Enrollment Associated with Pervasive Flooding between 1991 and 2011 in Nelson County, North Dakota, using Multi-Seasonal Thematic Mapper Imagery*.

1:20 Jie Lin*, Department of Geography, University of Connecticut; Robert Cromley, Department of Geography, University of Connecticut, *Evaluating the*

Utility of Remotely Sensed Land Cover Datasets in Areal Interpolation.

1:40 Roger F. Auch*, United States Geological Survey, U.S. Geological Survey's Land Cover Trends Project: *Land Change Knowledge and Applications*.

3471. Environmental Management and the Respacing of Livelihoods and Food Security in Sub-Saharan Africa - Conceptual Thoughts and Methodological Approaches 1 (Sponsored by Human Dimensions of Global Change Specialty Group, Africa Specialty Group)

Room: Bernard's, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Fred W. Krueger, Cyrus Samimi, University of Vienna

CHAIR(S): Fred W. Krueger

12:40 Tola Gemechu Ango, PhD student*, Stockholm University, Department of Human Geography, *Drivers and patterns of land change from late 1950s to present in southwest Ethiopia -deforestation, agricultural expansion and coffee production*.

1:00 Johannes Schlesinger, MA*, IPG/Freiburg University; Axel W. Drescher, Prof. Dr., IPG/Freiburg University, *A transect approach: an interdisciplinary method for understanding agricultural dynamics in and around cities*.

1:20 Paul F McCord*, Indiana University; Tom Evans, PhD, Indiana University; Michael Cox, PhD, Dartmouth College; Kelly Caylor, PhD, Princeton University; Keir Soderburg, PhD, Princeton University, *Irrigation and Livelihood Practices: A Study of Eight Communities in Kenya's Upper Ewaso Ng'iro Basin*.

1:40 Erin Kitchell*, University of Wisconsin-Madison, *Aduna ko indi didi: Politics of Knowledge and Adaptive Management in Senegal*.

2:00 Stefanie Herrmann*, University of Arizona; Mamadou Baro, University of Arizona; Thomas Park, University of Arizona, *People and pixels in the Sahel - findings, challenges and lessons learned*.

3472. Transportation: Planning and Policy

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Weifeng Li, Department of Urban Planning and Design, The University of Hong Kong

12:40 Anna Kramer*, University of Waterloo, *The affordability paradox: Housing or transportation in North American metros*.

1:00 Nicholas Campiz*, CDM Smith / Florida Department of Transportation, *Spatial Implications of Utilizing ROI and Economic Impacts on Public Transportation Planning*.

1:20 Mohammed Ibrahim Aldagheiri*, Qassim University, *Milestones in Saudi Arabian Transportation Policy-Railways Network*.

1:40 Weifeng Li*, Department of Urban Planning and Design, The University of Hong Kong; Jiansheng Wu, School of Urban Planning and Design, Peking University Shenzhen Graduate School; Li Huang, School of Urban Planning and Design, Peking University Shenzhen Graduate School, *Financing rail-based mass transit through value capture in Chinese cities*.

2:00 Kathleen E Deutsch*, University of California, Santa Barbara; Konstadinos G Goulias, University of California, Santa Barbara, *Modeling Travel Decisions: Including the Impact of Place Attitudes on Destination Choice*.

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3473. Queer(ing) Geographies III: Institutional politics (1) (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: *Corinthian, Biltmore, Mezzanine Level* (Paper Session)
ORGANIZER(S): Sean Wang, Syracuse University; Emily Mitchell-Eaton, Syracuse University

CHAIR(S): Sean Wang, Syracuse University

Introducer: Sean Wang

12:48 Sujay Kentlyn*, Evergreen Life Care Ltd, *'Living Longer, Living Better?' - Queering the Heteronormative and Cisnormative space of Aged Care in Australia..*

1:06 Rae Rosenberg*, McGill University, *Expression Repression: Experiences of Incarceration by Trans* Feminine Spectrum Individuals in U.S. Prisons.*

1:24 Joseph N. Defilippis*, *Queers for Economic Justice, Beyond Marriage: How The Fight For Gay Marriage Limits Queer Families' Access to Institutional Spaces and Benefits.*

1:42 Larry Knopp*, University of Washington Tacoma; Benjamin Anderstone*, University of Puget Sound; Richard Morrill, University of Washington Seattle; Michael Brown, University of Washington Seattle, *Courting Conservatives: An Analysis of voting patterns on Civil Union and Same-Sex Marriage Referenda in Washington State.*

Discussant(s): Emily Mitchell-Eaton, Syracuse University

3474. Expanding the Empirical and Theoretical Scope in Community Gardening and Urban Agriculture Research

Room: *Corsican, Biltmore, Mezzanine Level* (Panel Session)

ORGANIZER(S): Luke Drake, Rutgers University

CHAIR(S): Luke Drake, Rutgers University

Panelists: Ursula Lang, University of Minnesota; Edie Stone, GreenThumb, New York Department of Parks and Recreation; Mary Beth Pudup, University of California, Santa Cruz

3475. Remote Sensing Techniques

Room: *Florentine, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lei Wang, Louisiana State University

12:40 Hui Hui Song*, Chinese University of Hong Kong; Bo Huang, Chinese University of Hong Kong, *Shadow detection and reconstruction in high-resolution satellite images via Morphological filtering and learning method.*

1:00 Amy Frazier*, University at Buffalo; Jared Aldstadt, Ph.D., University at Buffalo, *A Spatial-Spectral Method for Endmember Extraction Using a Cluster Detection Algorithm.*

1:20 Taylor Seigler*, Virginia Tech; James Campbell, Ph.D., Virginia Tech; Yang Shao, Ph.D., Virginia Tech, *Quantifying changes in exurban areas with the VIS model.*

1:40 Lei Wang*, Louisiana State University; Quan Tang, Environmental Systems Research Institute, *Population regression model in the V-I-S feature space.*

2:00 Daxiang Zhang*, University of Connecticut; Chuanrong Zhang, University of Connecticut, *Using cokriging for contrail pixels restoration in multispectral remotely sensed imagery.*

3476. Sustainably Governing the City and the State (Sponsored by Urban Geography Specialty Group)

Room: *Grecian, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Irene Klaver

12:40 Freya Kristensen, PhD Candidate*, Simon Fraser University, *Confronting Complexity: How Cities are Integrating Social Sustainability into Planning*

Processes.

1:00 Kristy Revell*, University College London (UCL), *Promoting sustainability and pro-environmental behaviour through local government programmes: views from London, UK.*

1:20 Jeremy Bryson*, Northwest Missouri State University, *Dark Skies: Light Pollution, Urban Entrepreneurialism, and Sustainability Planning in the American West.*

1:40 Irene Klaver, Professor*, University of North Texas, *The River as Bridge: Re-currents of Rivers in the Environmental Imagination.*

3477. Land Systems Science Symposium: Panel on LUCC-ABM (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: *Heinsbergen, Biltmore, Lobby Level* (Panel Session)

ORGANIZER(S): Richard Aspinall; Tom Evans, Indiana University

CHAIR(S): David O'Sullivan, University of Auckland

Discussant(s): David O'Sullivan, University of Auckland

Panelists: Arika Ligmann-Zielinska, Michigan State University; Christopher Bone, University of Oregon; Luis E. Fernandez, Carnegie Institution for Science; Moira Zellner, University of Michigan; Sara Metcalf, University at Buffalo (SUNY); Dan Brown, University of Michigan

3478. Restructuring States and Multinational Corporations

Room: *Mediterranean, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Pietro Calogero, Student

12:40 George Botjer*, University of Tampa, *The Geography of the Military-Industrial Complex: Locational Trends Since the End of the Cold War.*

1:00 Nataliya Acc-Nikmehr*, The University of Edinburgh, *Multinational Corporations - Institutions Relationships In Ukraine.*

1:20 Siyu Cai*, University of California, Los Angeles (UCLA), *Organizations and Institutions in Maoist China.*

1:40 Pietro Calogero, PhD*, Lecturer, *From Corporations to Nation-States: Early Modern governmentalities.*

3479. Landscapes and Politics of Energy Extraction (Sponsored by Landscape Specialty Group)

Room: *Moroccan, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Michelle Metro-Roland, Western Michigan University; Shanon Donnelly, University of Akron

CHAIR(S): Shanon Donnelly, University of Akron

12:40 James Hathaway*, Slippery Rock University, *Safe Food and Bad Water: Alternative Food Networks and Shale Gas Extraction in Pennsylvania.*

1:00 Grant Wilson*, University of Toledo, *Exploring the Spatial Characteristics of Renewable Energy Projects Funded by the Ohio Department of Development's Energy Loan Fund.*

1:20 Devon A. Hansen*, University of North Dakota; Bradley Rundquist, University of North Dakota; Enru Wang, University of North Dakota; Stanley Brunn, University of Kentucky, *Perceptions of the recent oil boom among long-term residents of Williston, Stanley, and Watford City, North Dakota.*

1:40 Tami Okamoto, M.Sc.*, Centre for Development and the Environment, University of Oslo, *Consultation with Indigenous Peoples: just another formal dispositif? The case of oil block 192 (1AB) in the Peruvian Amazon.*

2:00 Shanon Donnelly*, University of Akron, *Landscape impacts of shale drilling (fracking) in Ohio.*

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- 3480. Beyond the Columbian Exchange: Re-exploring histories of biotic exchanges between the Old and New World tropics (Sponsored by Cultural and Political Ecology Specialty Group, Biogeography Specialty Group, Africa Specialty Group)**

Room: *Roman, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Judith Carney, University of California, Los Angeles (UCLA); Haripriya Rangan, Monash University

CHAIR(S): Judith Carney, University of California, Los Angeles (UCLA)

12:40 Case Watkins*, Louisiana State University, *Colonial agriculture and socioecological resistance: The development of African oil palm landscapes in Bahia, Brazil.*

1:00 Kendra McSweeney*, The Ohio State University, *Coca counterfactuals: on the non-diffusion of coca beyond the Andes.*

1:20 Chris S. Duvall*, University of New Mexico, *Labor and legal regimes of the Columbian Exchange continue to de-value African plant knowledge.*

1:40 Haripriya Rangan*, Monash University, *The Ibero-Arab trade and the diffusion of Mesoamerican plants across the eastern Mediterranean and Indian Ocean Worlds.*

2:00 Kent Mathewson*, Louisiana State University, *Unsettling Crosby's Columbian Exchange: Invasive Species and Tropical Resistances to Euro-Colonialism.*

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- 3501. Geographies of Hope Symposium 7: Sustaining Resilience in the Face of Climate Change and Its Mitigation (Sponsored by Human Dimensions of Global Change Specialty Group, Ethnic Geographies Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Energy and Environment Specialty Group, Indigenous Peoples Specialty Group)**

Room: *Beaudry A, Westin, Lobby Level* (Panel Session)

ORGANIZER(S): Jay Johnson, University of Kansas

CHAIR(S): Jay Johnson, University of Kansas

Panelists: Tracey Osborne, University of Arizona; Julianne A. Hazlewood, UNESCO; RDK Herman, National Museum of the American Indian; Zoltan Grossman, The Evergreen State College

- 3502. Critical Mass at 20: What's left and what's right? (Sponsored by Socialist and Critical Geography Specialty Group)**

Room: *Beaudry B, Westin, Lobby Level* (Panel Session)

ORGANIZER(S): Mario Bruzzone, University of Wisconsin-Madison

CHAIR(S): Mario Bruzzone, University of Wisconsin-Madison
Introducer: Mario Bruzzone

Panelists: Adonia E Lugo, University of California, Irvine; John Stehlin, University of California, Berkeley; Lisa Ruth Elliott; Charis Boke, Cornell University

- 3503. Children, Childhoods, and Transport Geography II (Sponsored by Transportation Geography Specialty Group)**

Room: *La Brea, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Ron Buliung, Department of Geography, University of Toronto at Mississauga; Selima Sultana, University of North Carolina-Greensboro

CHAIR(S): Ron Buliung, Department of Geography, University of Toronto at Mississauga

2:40 Kristian Larsen*, University of Toronto; Ron N. Buliung, PhD, University of Toronto at Mississauga; Guy E.J. Faulkner, PhD, University of Toronto, *Assessing how the route to school relates to safety concerns and mode of travel.*

3:00 Li Li*, Texas A&M University, *Demographic, Physical Activity, and Route Characteristics Related to School Transportation: An Exploratory Study.*

3:20 Crystal Taylor*, Florida State University, *Children's active travel to school using greenways.*

3:40 Yu Hui Hsieh*, Jen-Jia Lin, *School Accessibility and*

Learning Performances of Senior High School Students.

4:00 Miwa Matsuo*, The University of Iowa, *Accessibility of rural Hispanics: An analysis of the 2009 National Household Travel Survey.*

- 3504. Value Chains, Neoliberal Regulation, and Global Restructuring II**

Room: *La Cienega, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Christian Berndt, University of Zurich; Jennifer Bair, Sociology, CU Boulder

CHAIR(S): Marion Werner, University at Buffalo, SUNY

2:40 Christian Berndt*, University of Zurich, *From markets to marketized subject? Behavioral engineering, market experiments and development.*

3:00 Padraig R Carmody*, Trinity College Dublin, *The Shock of the Virtual: ICTs, Value-webs and Tourism in Cape Town, South Africa.*

3:20 Sarah Besky*, University of Michigan, *"Essentially Attributable": Geographical Indication and the Place of Labor in the Terroir of Darjeeling Tea.*

3:40 Graham Pickren*, University of Georgia, *Political Ecologies of Electronic Waste: Uncertainty and Legitimacy in the Governance of E-Waste Geographies.*

4:00 Beth Gutelius*, University of Illinois at Chicago, *De/linking in Distribution: The Shifting Labor Strategies of Firms in GPNs.*

- 3505. Society, Polity, and Health (Sponsored by Health and Medical Geography Specialty Group)**

Room: *Los Cerritos, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Vandana Wadhwa, Boston University; Robert Wilton, McMaster University

CHAIR(S): Emmanuel Eliot, CNRS/Universite Du Havre(France)

2:40 Poojitha Kondabolu, JD, University of Connecticut; Vandana Wadhwa, PhD*, Boston University, *Creating sustainable HIV/AIDS care and treatment? The case of PEPFAR I in Uganda.*

3:00 Emmanuel Eliot*, University of Rouen (France), *Changing Health Care Systems: a Relational Approach.*

3:20 Sarah-Anne Munoz, PhD*, University of the Highlands and Islands (UK), *Co-Producing Health Services in Rural Areas through Social Enterprise.*

3:40 Jane Farmer, MA PhD*, La Trobe University; Sarah Anne Munoz, BA PhD, University of the Highlands & Islands; Rachel Winterton, BA PhD, La Trobe University; Jeni Warburton, MA PhD, La Trobe

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University; Jo Barraket, BA PhD, Queensland University of Technology, *Social enterprise as a space of wellbeing*.

- 4:00** Robert Wilton*, McMaster University, *Working Towards Recovery: Geographies of Mental Health and Employment in the Social Economy*.

3506. Violence and Space VI - Commoditiescapes

Room: *Los Feliz, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Philippe Le Billon, University of British Columbia; Simon Springer, University of Victoria

CHAIR(S): Simon Springer, University of Victoria

- 2:40** Alexandra Pedersen*, Queen's University, *Acts of Violence in a Peaceful Struggle: A Message from San José del Golfo to Canadian Mining Companies*.

- 2:55** Amber Murrey*, University of Oxford, *Resistance, Acquiescence and Negotiation along the Chad-Cameroon Petroleum Pipeline*.

- 3:10** Teo Ballvé*, UC Berkeley, *Grassroots Masquerades: Development, Land Laundering, and Frontier State Formation in Colombia*.

- 3:25** Catherine Nolin, Associate Professor*, Geography Program, University of Northern British Columbia (UNBC); Grahame Russell, Adjunct Faculty Member, Geography Program, University of Northern British Columbia, *Mining in a Time of Impunity: Guatemala's Genocide and the Violence of Contemporary Predatory Mineral Exploitation*.

- 3:40** Ann Laudati*, University of Oregon, *Beyond Minerals: Evidence for a Broadened 'Economies of Violence' in Eastern Democratic Republic of Congo*.

Discussant(s): Anna Zalik, York University

3507. Advances and Challenges in Digital Elevation Models IV (Remote Sensing) (Sponsored by Coastal and Marine Specialty Group, Spatial Analysis and Modeling Specialty Group, Geomorphology Specialty Group)

Room: *Palos Verdes, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Barry Eakins, University of Colorado; Jeffrey J. Danielson, United States Geological Survey

CHAIR(S): John Brock, USGS

Introducer: Jeffrey J. Danielson

- 2:40** Peter George Chirico*, United States Geological Survey, *High resolution digital elevation models of dynamic terrain features using structure-from-motion (SfM) technology*.

- 3:00** Wanxiao Sun*, Grand Valley State University; Fangdi Sun, Nanjing University, China; Jin Chen, Beijing Normal University, China; Peng Gong, Tsinghua University, *Integration of pixel-based and object-based image classification for extraction of water bodies with Landsat imagery*.

- 3:20** Haibin Su*, Texas A&M University - Kingsville; Hongxing Liu, University of Cincinnati, *Derivation of bathymetric information from multispectral satellite imagery using localized inversion model*.

- 3:40** Rongxing Li*, Ohio State University; Rui Wu, The Ohio State University; Changlin Xiao, The Ohio State University, *High-Precision Martian Crater Mapping*.

Discussant(s): John Brock, USGS

3508. Uprising Geographies: Urban Resistance and Security - Session II

Room: *San Bernardino, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Adam Ramadan; Sara Fregonese, Royal Holloway University of London

CHAIR(S): Sara Fregonese, Royal Holloway University of London

- 2:40** Adam Ramadan*, University of Birmingham, *Uprising and the Camp: the Palestinian revolution in Lebanon*.

- 3:00** Jonathan Rokem*, Ben-Gurion University of Negev; Marco

Allegra, Dr., CIES ? University of Lisbon; Irene Bono, Dr., Università degli Studi di Torino, *Rethinking Cities through Protest - The Arab Spring and the Mobilization of Urban Dissent*.

- 3:20** Elisa Pascucci*, University of Sussex, *Aid, Security and Neoliberal Urbanism in Cairo: spatial practices of containment after the Mustapha Mahmoud protest, 2005..*

- 3:40** Sara Fregonese*, University of Oxford; Sara Fregonese, University of Birmingham, *Mediterranean uprisings: towards a hybrid geography of sovereignty*.

Discussant(s): John Agnew, University of California - Los Angeles

3509. Critical Environmental Justice Research in the Global South (Sponsored by Cultural and Political Ecology Specialty Group, Regional Development and Planning Specialty Group, Asian Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)

Room: *San Fernando, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Ujjaini Das, University of Georgia

CHAIR(S): Ujjaini Das, University of Georgia

- 2:40** Martin Oteng-Ababio*, University of Ghana, *Urban mine and expanded territoriality: understanding the dynamics of e-waste scavenging in different geographies..*

- 3:00** April Karen Baptiste, PhD*, Colgate University, *"Scales of justice": Environmental (in)justice and the aluminum industry in Trinidad and Tobago*.

- 3:20** Yi-Fong Chen*, National Dong hwa University, Taiwan, *Political Ecology, Indigenous Knowledge and "Natural" Disaster : The Conservation Politics and Post-Disaster Reconstruction of Indigenous Communities in Taiwan*.

- 3:40** Ujjaini Das*, University of Georgia, *Reconceiving Environmental Justice: A Case Study of India's Electronic Waste Regulatory Framework*.

Discussant(s): Hilda Kurtz, University of Georgia

3510. Spatiotemporal Thinking, Computing and Applications 4: Thinking Panel (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: *San Gabriel A, Westin, Lobby Level* (Panel Session)

ORGANIZER(S): Chaowei Yang, George Mason University; Weihe Wendy Guan, Harvard University

CHAIR(S): Michael Goodchild, University of California - Santa Barbara

Introducer: Luc Anselin

Introducer: Mei-Po Kwan

Introducer: Keith Clarke

Introducer: E. Lynn Usery

Introducer: A-Xing Zhu

Speaker: Christopher Tucker, Map Story

3511. Author Meets Critics: Akhil Gupta's "Red Tape: Bureaucracy, Structural Violence, and Poverty in India" (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Development Geographies Specialty Group)

Room: *San Gabriel B, Westin, Lobby Level* (Panel Session)

ORGANIZER(S): Sapana Doshi, University of Arizona, Tucson

CHAIR(S): Sapana Doshi, University of Arizona, Tucson

Introducer: Sapana Doshi

Panelists: Vinay Gidwani, University of Minnesota; Sapana Doshi, University of Arizona, Tucson; Sallie Marston, University of Arizona; Asher Ghertner, Rutgers University; Elizabeth A. Oglesby, University of Arizona; Akhil Gupta, University of California, Los Angeles (UCLA), Dept. of Anthropology

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3512. International Geography Education Standards and Frameworks B: Europe and Australasia (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)

Room: *San Gabriel C, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Michael N. Solem, Association of American Geographers
 CHAIR(S): Michael N. Solem, Association of American Geographers
 2:40 Leif Moenter*, Trier University; Sandra Hof, Ruhr-University Bochum, Germany, *standards of geography education - an international comparison.*
 2:58 John M L Fastier, Senior Lecturer*, University of Canterbury, College of Education, New Zealand, *Curriculum Development in New Zealand - New Directions, Opportunities and Challenges for Senior School Geography.*
 3:16 Alaric Maude, PhD*, Flinders University, *The thinking behind the Australian geography curriculum.*
 Discussant(s): Daniel Edelson, National Geographic Society

3513. Internships and Work-Based Learning as Career Preparation (Sponsored by Graduate Student Affinity Group, Geography Education Specialty Group, Enhancing Departments and Graduate Education project (EDGE))

Room: *San Pedro, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Joy K. Adams, Association of American Geographers; Mark Revell, Association of American Geographers
 CHAIR(S): Robert B. Kent, California State University, Northridge
 Panelists: Robert B. Kent, California State University, Northridge; Paisly Di Bianca, USEPA Region 5; Kelly Woltman, Ontario Renal Network @ Cancer Care Ontario; Budhendra Bhaduri, Oak Ridge National Laboratory; Jennifer Helzer, California State University; Jeffrey Widener, The University of Oklahoma; Timothy F. Trainor, U.S. Bureau Of the Census

3514. Re-cycling, or The Afterlives of Processes, Policies and Artifacts Past (VOLUME ONE) (Sponsored by Cultural Geography Specialty Group, Energy and Environment Specialty Group)

Room: *Santa Anita A, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Jordan Howell, Michigan State University; Kerri Jean Ormerod, University of Arizona
 CHAIR(S): Jordan Howell, Michigan State University
 2:40 Kerri Jean Ormerod*, University of Arizona, *Sewage as source water: The politics of engineering effluent for drinking water supply.*
 3:00 Jordan Howell*, Michigan State University, *Partial Solutions at Best: Recycling on Maui, 1970-2012.*
 3:20 Padma Chirumamilla*, University of Michigan, *Things falling apart: obsolete electronic technology, reuse and everyday life in South Asia.*
 3:40 Virginia W Maclaren*, University of Toronto, *Recycling Gone Wrong: How Undesirable Materials End Up in the Recycling Stream.*

3517. CyberGIS Symposium: CyberGIS, Linked Data, and Geospatial Semantics (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: *Santa Barbara A, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Krzysztof Janowicz
 CHAIR(S): E. Lynn Usery, U.S. Geological Survey
 2:40 E. Lynn Usery*, U.S. Geological Survey, *CyberGIS and Geospatial Semantic for Vector and Raster Data.*

3:00 Krzysztof Janowicz*, *Linked Spatiotemporal Data - A Brief Introduction.*

3:20 Dragos Simandan, PhD*, Brock University, *Dancing fitness landscapes and the ontological infrastructure of geographical reasoning.*

3:40 Chih-Hong Sun*, Department of Geography, National Taiwan University; Sue-Ching Jou, Department of Geography, National Taiwan University; Ming-Fan Lien, Department of Geography, National Taiwan University; Chin-Te Jung, Department of Geography, National Taiwan University, *Public Participation Spatial Decision Support System For Integrated Watershed Management.*

Discussant(s): Mark Gahegan, University of Auckland

3518. Borders, Surveillance, and the New Politics of International Mobility II (Sponsored by Political Geography Specialty Group, Population Specialty Group, Borders, Economic Geography Specialty Group)

Room: *Santa Barbara B, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Martin Geiger, IMIS/Institute for Geography; Harrison Smith, Faculty of Information, University of Toronto
 CHAIR(S): Martin Geiger, IMIS/Institute for Geography
 2:40 Federica Infantino*, Free University of Brussels (Cevipol) - Sciences Po Paris (CEE), *The uses of the "surveillance and control toolbox" in the Schengen visa policy implementation..*
 3:00 Stephanie Simon*, University of Amsterdam; Julien Jeandesboz, University of Amsterdam, *Preemptive visibility and European external border surveillance.*
 3:20 Emily Gilbert*, University of Toronto, *Beyond the Border: Deepening Security Interoperability between Canada and the US.*
 3:40 Harrison D Smith*, Faculty of Information, University of Toronto, *Overflowing Borders: The Political Economy of Biometric Surveillance in North America.*
 Discussant(s): Gabriel Popescu, Indiana University South Bend

3519. New Geographies of Urban China II (Sponsored by Symposium on New Geographies of Urban China)

Room: *Santa Barbara C, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University
 CHAIR(S): Donggen Wang, Hong Kong Baptist University
 2:40 Mike Crang*, Durham University; Jie Zhang, Tianjin University of Technology, *Transient Dwelling: spaces of circulation and the floating population of migrant workers in China.*
 3:00 Yin Yang*, University of Oxford; Gordon L. Clark, University of Oxford, *The institutional economic geography of urban water infrastructure governance: a comparison of Beijing and London.*
 3:20 Xia Zhang*; Xia Zhang, University of Minnesota, Morris, *"The People's Commune is Good": Masculinity, Social Organization, and Post-socialist Nostalgia in China.*
 3:40 Lachlan Barber*, University of British Columbia, *Desirable but difficult: Heritage, property and image-making in Hong Kong.*
 4:00 Stanley D. Brunn*, University of Kentucky, *Ranking Chinese Cities with Chinese and English Google Entries.*

3520. Riepke Lecture in Economic Geography (Sponsored by Economic Geography Specialty Group)

Room: *Sacramento, Westin, Level 2* (Paper Session)
 ORGANIZER(S): Yuko Aoyama, Clark University; Julie Cidell, University of Illinois
 CHAIR(S): Kristopher N Olds, University Of Wisconsin-Madison
 2:40 Gordon L Clark, Prof*, University of Oxford, *Financial literacy in context.*

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3521. Human-Environment Geographies

Room: San Diego, Westin, Level 2 (Poster Session)

ORGANIZER(S): Program Committee

Paul N Tindall*, U S Military Academy, *The Keystone XL*

Pipeline: Energy, Environment, & Risk Perception.

Mary D Raycraft*, Univ. Cincinnati, *Energy Boomtowns - Lessons from the Past, Up-date.*

David Aagesen*, State University of New York, *Historical Representations of the Monkey Puzzle Tree's (Araucaria araucana) Growth Range.*

Sharon Moran*, State University of New York - Env. Science and Forestry, Syracuse, NY, *'Placing' Policy Practices: Environmental Policies Across the Canadian Border.*

Thomas Shelton*, Texas State University - San Marcos; Amber Olsson, Department of Geography, California State University, Fresno; Segun Ogunjemiyo, PhD, Department of Geography, California State University - Fresno; David Bailey, Department of Geography, California State University, Fresno; Julie Steele, Department of Chemistry, California State University, Fresno; Ryan McHenry, Department of Geography, California State University, Fresno; Brenda Osborne, Department of Geography, California State University, Fresno; Stacy Brown, Department of Geography, California State University, Fresno; Alam Hasson, Department of Chemistry, California State University, Fresno; Shawn Ashkan, Center for Irrigation Technology, California State University, Fresno; Amber Olsson*, *Seasonal Characteristics of Lower Boundary Layer Ozone Transport Over A Dairy Facility As Measured By Electrochemical Ozonesonde/Tethersonde System..*

Alexander Kappel*, Clark University, Geography; Christopher Williams; Myroslava Khomik; Marcus Pasay; Melanie Vanderhoof, *Post Disturbance Soil Respiration Dynamics in a Clearcut Temperate Forest.*

Rebecca Roeder*, University of Wisconsin-La Crosse; Ryan Perroy, PhD, University of Wisconsin-La Crosse; Colin Belby, PhD, University of Wisconsin-La Crosse, *Lead Contamination in Passage Island Soils & Rock Pools, Isle Royale National Park.*

RANBIR KANG*, Western Illinois University, *Effects of intensive irrigation on the ground water level in Central Punjab, India.*

Matthew J Manley*, Clark University; John Rogan, Ph. D, Clark University Graduate School of Geography; Deborah Martin, Ph. D, Clark University Graduate School of Geography; Verna DeLauer, Ph. D., The George Perkins Marsh Institute, *Assessing Changes in Urban Forest Biodiversity: Tree Replanting as a Driver of Change in Street Tree Composition.*

Halina Barbara Hopkins, B.S. Biology, Environmental Science, Humanities*, Valparaiso University, *A GIS Analysis of Environmental Justice in Lake County and Porter County, Northwestern Indiana.*

Jessica M Giblin*, Central Washington University, *Balancing Visitor Experience and Habitat Protection: Impacts and Monitoring of High-Use Recreational Areas in the Roslyn Urban Forest..*

Chad Spade*, West Virginia University, *Deep dispossession: Natural Gas, Resource Control and Community Response in Bradford County, Pennsylvania..*

Kelli L. Larson*, Arizona State University, *The Human Ecology of Residential Landscape Management: Complex Causes, Effects, and Tradeoffs in the Sonoran Desert of Phoenix, AZ.*

Sara Diamond, PhD Student*, University of Texas, Austin; Katherine Lininger, MA Student, University of Texas, Austin; Jason Scullion, Doctoral Candidate, University of Washington; Kenneth Young, PhD, University of Texas, Austin, *Socio-ecological impacts of mining*

legislation, enforcement, and protest in Madre de Dios, Peru.

Steven E Silvern, Salem State University; Jessica H Silveri*, Salem State University, *Boat to Table: The Emerging Geography of Community Supported Fisheries.*

Madhusudana N Rao*, Bridgewater State University, *Mini-Hydel Power Projects and Sustainable Rural Development in India.*

Philip L Chaney*, Auburn University, *Geography and the Law: Local Restrictions on Interbasin Water Transfers in the Tennessee River Basin of Alabama.*

Sandra B Rhine*, University of Alabama; Micheal K. Steinberg, PhD, University of Alabama; Ashley Hogenmiller, University of Alabama, *Historical mapping and monitoring of the mangrove forests of Ambergris Caye (Belize): a twenty-five year history..*

Chien Tat Low, M.Phil.*, The University of Hong Kong; Poh Chin Lai, PhD., The University of Hong Kong, *Traditional Chinese Medicine (TCM) body constitution, environment, and disease occurrence: a spatial epidemiological study..*

Bradley Cullen*, Univ of New Mexico; Kim Seidler, University of New Mexico, *Fire In The Rio Grande Bosque.*

Kimberley R Stenshorn*, University of Guelph, *Environmental Justice and the Decision-Making Processes of Siting Toronto's Solid Waste.*

3522. International Geographies of Education: Rio+20, the UN and the role of geographers

Room: San Francisco, Westin, Level 2 (Panel Session)

ORGANIZER(S): Pablo Fuentenebro, United Nations Environment Programme; Candida Mannozi, Association of American Geographers

CHAIR(S): Pablo Fuentenebro, United Nations Environment Programme

2:40 Indran Naidoo, United Nations Development Programme

3:00 Juha I Uitto, United Nations Development Programme

3:20 Luca Muscarà, Università Del Molise

3:40 Patricia A. Solis, Association of American Geographers

4:00 Astrid Nicole Ng, Association of American Geographers

3523. 2013 Student Illustrated Paper Competition sponsored by RSSG/GISSG/CSG (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Cartography Specialty Group)

Room: San Jose, Westin, Level 2 (Illustrated Paper Session)

ORGANIZER(S): Lindsay Deel, West Virginia University

CHAIR(S): Lindsay Deel, West Virginia University

2:40 Xiaonan Tai*, University of Buffalo, *Validating habitat suitability model with remote sensing-derived species fractions: Using Invasive Tamarisk as an example.*

2:45 Laura Hansen*, Clark University, *Comparison of metrics to measure land change model performance across various REDD projects.*

2:50 Ali Santacruz*, Clark University; Douglas Sands, Clark University, *Quantity and allocation of global forest change during 2000 - 2010.*

2:55 Yelena Finegold*, Clark University, *Projecting Global Forest Futures to 2050.*

3:00 Andrew John Shatz*, Clark University Graduate School of Geography; John Rogan, Clark University Graduate School of Geography; Florencia Sangermano, Clark Labs, *Assessing susceptibility of contiguous core forest habitats to Asian Longhorned Beetle (Anoplophora glabripennis) infestation in Worcester County, Massachusetts.*

3:05 Sujan Raj Joshi*, Salem State University, *Global Warming And Its Effect On Northeastern North America.*

3:10 Rachel L McCarter, E.I.T.*, Salem State University, *An Analysis of Impervious Surfaces in Northeastern North America and its potential impacts on an Urban Society.*

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- 3:15** Marc Miller*, Salem State University, *Rising Temperatures and Phenological Change in Northeast North America*.
- 3:20** Thomas O'Connell*, Salem State University, *No More Hidden Secrets: Human Rights Violations and Remote Sensing*.
- 3:25** Fang Zhang*, Department of Geogrpahy, The Ohio State University; Xiaolin Zhu, Department of Geography, The Ohio State University; Desheng Liu, Department of Geography, The Ohio State University, *Blending MODIS and Landsat for Flooding Monitoring and Assessment*.
- 3:30** Philip Sparks*, University of Arizona; Miguel Villarreal, U.S. Geological Survey; Jennifer Psillas, University of Arizona, *The effects of satellite and terrain scale on modeled soil erosion estimates in a desert environment*.
- 3:35** Joseph J. Danko III*, Clark University; John Rogan, Ph.D., Clark University; Dominik Kulakowski, Ph.D., Clark University; Maureen McConnell, EcoTarium, *Mapping Burn Severity using the Composite Burn Index in an Oak Grass Community in Central Massachusetts*.
- 3:40** Jessica DeWitt*, West Virginia University, *Complications of topographic change detection: A case study in the southern WV coalfields*.
- 3524. Foucault after Agamben: Rethinking the Language of Biopolitics**
Room: *Avalon, Westin, Level 3* (Panel Session)
 ORGANIZER(S): Najeeb Jan, University of Colorado
 CHAIR(S): Claudio Minca, Wageningen University
 Introducer: Claudio Minca
 Discussant(s): Oliver Belcher, University of British Columbia
 Panelists: Najeeb Jan, University of Colorado; Stephanie Wakefield, CUNY Graduate Center; Mikko Joronen, Department of Geography, University of Turku, Finland
- 3525. DOLLY and the Questing Beast: Adventures in Twitterspace (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Communication Geography Specialty Group)**
Room: *Emerald Bay, Westin, Level 3* (Panel Session)
 ORGANIZER(S): Matthew Zook, University of Kentucky
 CHAIR(S): Matthew Zook, University of Kentucky
 Discussant(s): Monica Stephens, Humboldt State University; Mark Graham, University of Oxford
 Panelists: Matthew Zook, University of Kentucky; Ate Poorthuis, University of Kentucky; Sean Gorman, George Mason University
- 3526. Geography Towards Revolution for Neil Smith Part III: Cities (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, History of Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)**
Room: *Hollywood Ballroom, Westin, Level 3* (Panel Session)
 ORGANIZER(S): Keith Miyake, CUNY Graduate Center; Morgan Buck, CUNY Graduate Center
 CHAIR(S): Deen Sharp, CUNY GC
 Introducer: Deen Sharp
 Discussant(s): Francesca Manning, CUNY Graduate Center
 Panelists: Malav Kanuga, Anthropology PhD Program; Nathaniel Sheets, CUNY Graduate Center; Erin Siodmak, CUNY Graduate Center; Brian Rosa, University of Manchester
- 3527. Spatio-temporal Analysis of Vector-borne Disease II (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group, Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)**
Room: *Santa Monica A, Westin, Level 3* (Paper Session)
- ORGANIZER(S): Eun-hye Yoo, University At Buffalo (SUNY); Jared Aldstadt, University at Buffalo
 CHAIR(S): Jared Aldstadt, University at Buffalo
2:40 John Q. Burkhardt*, West Virginia University, Department of Geology and Geography; Eungul Lee, West Virginia University, Department of Geology and Geography; A. B. Billings, West Virginia University, Department of Statistics; E. James Harner, West Virginia University, Department of Statistics, *Climate and environment impacts upon malaria prevalence in two regions of India*.
- 3:00** Abhishek K Kala*, University of North Texas; Sam Atkinson, Professor Environmental Science, University of North Texas; Armin Mikler, Professor Computer Science, University of North Texas; Joseph Oppong, Professor Geography, University of North Texas; Chetan Tiwari, Assistant Professor Geography, University of North Texas, *Tele-epidemiology approach for modeling place vulnerability: a case study of West Nile Virus*.
- 3:20** Eun-hye Yoo*, University at Buffalo (SUNY), *Predicting the spatio-temporal distribution of West Nile virus mosquito population using a geostatistical generalized linear mixed model*.
- 3:40** Marilyn O Ruiz*, U of Illinois College of Veterinary Medicine, *Fine scale mosquito abundance and West Nile virus infection measures in a suburban neighborhood near Chicago, Illinois*.
- 4:00** Varun Goel, MS Candidate*, University of Illinois at Urbana-Champaign, Department of Geography and Geographic Information Science; Marilyn O Ruiz, Clinical Associate Professor, University of Illinois at Urbana-Champaign, Department of Pathobiology, *A Spatio-Temporal Risk Assessment of Hemorrhagic Disease Exposure in Cattle in Illinois*.
- 3528. New Approaches to Neighborhoods and Health II: Social determinants of health (Sponsored by Health and Medical Geography Specialty Group, Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)**
Room: *Santa Monica B, Westin, Level 3* (Paper Session)
 ORGANIZER(S): Jerry Shannon, University of Minnesota; Kelsey McDonald, Univ. of Minnesota
 CHAIR(S): Jerry Shannon, University of Minnesota
2:40 Young-An Kim*, The University of Texas at El Paso; Sara E. Grineski, The University of Texas at El Paso; Timothy W. Collins, The University of Texas at El Paso, *Objective and Relative Neighborhood Deprivation and Children's Asthma in El Paso, TX*.
- 3:00** Yingru Li*, Auburn University, *Psychosocial Inequality and Child Obesity*.
- 3:20** Kelsey McDonald*, Univ. of Minnesota, *Improving identification of neighborhood causal factors for disease using propensity score matching: Neighborhood socioeconomic status and overweight/obesity in San Francisco*.
- 3:40** Heather A. Smith*, University of North Carolina at Charlotte; Laura Simmons, UNC Charlotte Urban Institute; Owen J. Furuseth, UNC Charlotte, *From research to neighborhood intervention: Using community-based participatory research (CBPR) to address the socio-spatial determinants of health among Hispanics in Charlotte, NC*.
- 4:00** Jessica Finlay*, University of Minnesota, *Aging in Place: Impacts of the Neighborhood on Elderly Health and Wellbeing*.
- 3529. Ecologies of Well-Being IV (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)**
Room: *Santa Monica C, Westin, Level 3* (Paper Session)

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ORGANIZER(S): Tim Schwanen, University of Oxford; David Conradson, University of Canterbury

CHAIR(S): David Conradson, University of Canterbury

2:40 Beth Mitchneck*, University of Arizona; Joanna Regulska*, Rutgers University, *Gender and (Re)placing Social Networks: Internally Displaced People in the Republic of Georgia*.

3:00 Julia McQuoid, MSc*, University of New South Wales at Canberra, *Emotion, habit and space-time paths: the interplay of context and well-being in the Australian Capital Territory*.

3:20 Marco Santangelo*, Politecnico di Torino, *Do smart cities become healthier? On well-being and intelligent urban areas*.

Discussant(s): Tim Schwanen, University of Oxford

3530. Rural Geography 2: Gendered Rural Geographies (Sponsored by Rural Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Margareta A Lelea, University of California, Davis

CHAIR(S): Margareta A Lelea, University of California, Davis

2:40 Trina Filan, Ph.D.*, University of Lethbridge, *What Lies Beneath: Gender, Rural Economies, and Feminist Geographical Research*.

3:00 Kimberlee Chambers*, Portland State University, *Gender and Agrobiodiversity Conservation: Maize in the Bajío of Mexico*.

3:20 Rebecca Maria Torres*, University of Texas at Austin, *Life between the two milpas: tourism, agriculture and migration in the Yucatán*.

3:40 Isabelle Kunze*, Leibniz University Hannover, *Exploring gendered rural spaces of agrobiodiversity management - a case study from Kerala, South India*.

4:00 Janet Momsen*, Univ of California, *Gender and Fairtrade Agriculture in the Caribbean*.

3534. Geographical Reflections on China's Reform and Transformation (Sponsored by China Specialty Group, Symposium on New Geographies of Urban China)

Room: Laguna Parlor 3024, Westin, 30th Floor (Panel Session)

ORGANIZER(S): Xiaobo Su, University of Oregon

CHAIR(S): Xiaobo Su, University of Oregon

Introducer: Xiaobo Su

Discussant(s): Michael Webber, The University of Melbourne

Panelists: Yu Zhou, Vassar College; Yehua D Wei, University of Utah; Joshua Muldavin, Sarah Lawrence College; Jun Zhang, National University of Singapore; Karen Lai, National University of Singapore

3535. Doing Geography: Including non-guided, independent fieldwork lessons in the lower division, lecture courses (Sponsored by Geography Education Specialty Group, Community College Affinity Group)

Room: Laguna Parlor 3028, Westin, 30th Floor (Panel Session)

ORGANIZER(S): Sarah Goggin

CHAIR(S): Sarah Goggin

Panelists: Herschel Stern, Miracosta College; Mark R Hafen, Univ of South Florida; William Selby, Santa Monica College; Sarah Goggin

3536. Hybrid places: dynamics and representations of Eastern and Western European Cities. 2 (Sponsored by Global Urbanization)

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Petros Petsimeris, University Paris 1 - Sorbonne; Szymon Marcinczak, University of Lodz

CHAIR(S): Grzegorz Weclawowicz, Institute of Geography and Spatial Organization Polish Academy of Sciences

2:40 Ludek Sykora*, Charles University in Prague, *New sociospatial formations in the landscape of (post) socialist legacies*.

3:00 Dieter Rink*, Helmholtz Centre for Environmental Research; Thomas Arndt, Helmholtz Centre for Environmental Research; Katrin grossmann, Helmholtz Centre for Environmental Research; Annegret Haase, Helmholtz Centre for Environmental Research, *Segregation in housing markets with oversupply. The case of Leipzig (Eastern Germany)*.

3:20 Szymon Marcinczak*, University of Lodz, *Urban geographies of hesitant transition: tracing socio-economic segregation in post-Ceausescu Bucharest*.

3:40 Tiit Tammaru*, Institute of Geography, University of Tartu, *Segregation By Occupation: Cross Country Comparison of Selected Ece Capital Cities*.

Discussant(S): Lila Leontidou, Hellenic Open University

3537. Hydroclimatology 2 (Sponsored by Climate Specialty Group, Cryosphere Specialty Group, Water Resources Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Christopher Labosier, Texas A&M University; Laiyin Zhu, Department of Geography, Texas A&M University

CHAIR(S): Trenton Ford, Texas A&M University

2:40 Stefan Becker*, Lehman College, CUNY, *River Flooding in New Jersey - Natural Disaster or Mismanagement*.

3:00 Asher Siebert*, Rutgers University; Neil Ward, Independent Scholar, *Exploring the frequency of hydroclimate extremes on the Niger River using Monte Carlo methods*.

3:20 Laiyin Zhu*, Department of Geography, Texas A&M University, *Diagnosing and forecasting seasonal Tropical Cyclone Precipitation (TCP) in Texas*.

3:40 Jinwoong Yoo, Ph.D.*, University of South Florida; Jennifer M. Collins, Ph.D., University of South Florida; Robert V. Rohli, Ph.D., Louisiana State University, *An Investigation of Tropical Cyclogenesis in the Intra-Americas Sea Using the ERA-Interim Reanalysis: Tropical Storm Arlene (2005)*.

4:00 William M Baldwin, PhD Candidate Mississippi State*, Mississippi State University; Jamie Dyer, Associate Professor, Mississippi State, *A regional climatological analysis of cloud to ground lightning and precipitation in the southeast US*.

3538. Cities and Urban Regions in Latin America I (Sponsored by Latin America Specialty Group, Qualitative Research Specialty Group, Global Urbanization, Development Geographies Specialty Group)

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Betty Smith, Eastern Illinois University; Joel Outtes, UFRGS-UNIV FED RIO GDE DO SUL

CHAIR(S): Betty Smith, Eastern Illinois University

Introducer: Betty Smith

2:45 Carolyn Prouse*, University of British Columbia, *Situating 'The World's Game' in the Ordinary City: Negotiations of new spatial legalities for the 2014 FIFA World Cup in Rio de Janeiro, Brazil*.

3:05 John Finn*, Christopher Newport University, *Idyllic Histories: Race & Racial Democracy in a Brazilian Urban Landscape*.

3:25 Kathryn Furlong, PhD*, Université de Montréal, *The dialectics of equity: consumer citizenship and the extension of water supply in Medellín, Colombia*.

3:45 Tiago Cisalpino Pinheiro*, PUCMINAS; Joao Abreu, Catholic University of Minas Gerais, *The creation of new municipalities and the development of Brazilian Urban Network during XX century*.

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- 3539. Defining the Housing Question in East Asia's post-crisis housing boom II (Sponsored by China Specialty Group, Asian Geography Specialty Group)**
Room: Laguna Parlor 3068, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Yi-ling Chen, National Dong Hwa University, Taiwan; Jun Wang, Hong Kong Baptist University
 CHAIR(S): Yi-ling Chen, National Dong Hwa University, Taiwan
2:40 Si-Ming Li*, Hong Kong Baptist University, *Hong Kong's Changing Housing Policies Post-1997*.
3:00 Natacha Aveline, Dr, CNRS professor*, Geographie-Cites, University Paris I Pantheon Sorbonne, *The diverse patterns of REIT investment in Asia, a comparison between Hong Kong and Tokyo*.
3:20 Jun Wang*, Hong Kong Baptist University; Mingye Li, Institut d'Urbanisme de Paris, *Rearticulating citizenship in developmental cities: comparative study of public housing policies in Singapore and Chongqing, China*.
 Discussant(s): Hyun B Shin, London School of Economics and Political Science
- 3540. Rural out-migration, trans-border connections, and environmental governance: II (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Rural Geography Specialty Group)**
Room: Malibu Parlor 3018, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Daniel Klooster, University of Redlands
 CHAIR(S): Daniel Klooster, University of Redlands
2:40 Adrian Luis Poloni*, University of Redlands; Gerardo Daniel Martinezdeluna, University of Redlands, *Visualizing indigenous trans-border communities using GIS*.
3:00 Maria G Lira*, Universidad Nacional Autonoma de Mexico, *Indigenous trans-border communities and their influence in natural resource management: the case of the purepecha in the Coachella Valley, California*.
3:20 Daniel Klooster*, University of Redlands, *Migration, trans-border communities, and commons management among indigenous communities in Mexico*.
3:40 James Robson*, Natural Resources Institute, University of Manitoba; Daniel Klooster, University of Redlands, *The Re-spatialized Geography of Commons Theory: How Migration Reconfigures Institutional Choice in the Territorial Commons of Mexico*.
4:00 Holly Worthen*, University of North Carolina at Chapel Hill, *The Value of Absence: Reconstructing Indigenous Communities through Transnational Migration in Oaxaca, Mexico*.
- 3541. Peripheralization and Marginalization - Product and Production of Spatial Disparities (I): Conceptual Reflections**
Room: Malibu Parlor 3038, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Tassilo Herrschel, University of Westminster
 CHAIR(S): Tassilo Herrschel, University of Westminster
 Introducer: Tassilo Herrschel
2:43 Manfred Kühn*, Leibniz-Institute for Regional Development and Structural Planning, *Peripheralisation - Theoretical Concepts explaining Spatial Disparities*.
2:58 Antje Matern*, TU Darmstadt, *Social practices in metropolitan regions. Experiences from the fringes*.
3:13 Christian Sellar*, University of Mississippi, *Italy in a time of crisis: surprises in the restructuring of production networks and public policy networks*.
3:28 Joanie M Willett*, University of Exeter; Thilo Lang, Dr, Institut für Landeskunde, *Peripheralisation: A Critical Analysis of the Politics of Representation*.
3:43 Zoltán Kovács*, *New forms of peripheralisation in Budapest Metropolitan Region*.
3:58 Peter Balogh*, Szczecin: *an emerging centre of a peripheral borderland?*.
 Discussant(s): Tassilo Herrschel, University of Westminster
- 3542. Continuity and Change in the 21st Century Urban Landscape: Focus - Housing Mortgage Practices, Land Use Patterns and Sustainable Neighborhoods (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: Malibu Parlor 3058, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Madhuri Sharma, University of Tennessee, Knoxville; Michael D. Webb, The Ohio State University
 CHAIR(S): Michael D. Webb, The Ohio State University
2:40 William Graves*, UNC-Charlotte, *Projecting the Evolution of Urban Land Use: Surveying Generational Shifts in Residential Preference*.
3:00 Darrel Ramsey-Musolf, MPA, MURP*, University of Wisconsin - Madison, *California's Housing Element Law: Evaluating Municipal Effort in the Los Angeles and Sacramento regions 1990-2005*.
3:20 Mark D. Bjelland, Ph.D.*, Gustavus Adolphus College, *Eco-Gentrification and the Changing Social Geography of Vancouver*.
3:40 Will Poppe*, York University, *Neoliberal housing policies, private rental infill construction and rental gentrification in Toronto's inner suburbs*.
4:00 Madhuri Sharma*, University of Tennessee, Knoxville, *Homeownership and Mortgage Lending Practices in Knoxville Metropolitan Statistical Area, Tennessee*.
- 3543. Holistic Landscapes and Complex Ecologies: Moving Beyond Dualisms in Environmental Field Research and Planning. (Sponsored by Cultural and Political Ecology Specialty Group, Landscape Specialty Group, Biogeography Specialty Group)**
Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Russell Hedberg
 CHAIR(S): Russell Hedberg
2:40 Russell Hedberg*, Pennsylvania State University, *The Forest and the Trees: The Complexities of Human-Forest Relations and Landscape Change in the Bolivian Andes*.
3:00 John Davis*, University of Denver, *Ecocolonialism and Biodiversity: How Globalization is Manifested on the Landscape*.
3:20 Jesse Minor*, University of Arizona, *Ecological Novelities on a Dry River: the effects of water management and land degradation on the Santa Cruz River, Arizona*.
3:40 Jamie McEvoy*, University of Arizona - Geography & Regional Development, *Accidental Waterscapes: How Irrigation and Desalination Technology Transform Socio-Natures in the Colorado River Delta*.
 Discussant(s): Dianne Rocheleau, Clark University
- 3544. Speculations on Post-Katrina Geographies (Sponsored by Study of the American South Specialty Group, Hazards, Risks, and Disasters Specialty Group)**
Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Ingrid Butler
 CHAIR(S): Ingrid Butler
2:40 Jenny Hay*, Louisiana State University, *The Holy Cross Historic District and Its Effects on a Community's Recovery from Disaster*.
3:00 Joern Langhorst*, University of Colorado Denver, College of Architecture and Planning, *Learning from the Lower 9th Ward: Spatial Tactics and the Agency of Landscape in Post-Disaster Recovery*.
3:20 Emily R Nosse-Leirer*, The Ohio State University, *Labor Relations in the Tourism Industry of Post-Katrina New Orleans*.
3:40 Joshua A Lewis*, Stockholm University; Tulane University, *Bracing Achilles' Heel: The Retrofitting and Transformation of New Orleans' Inner Harbor Complex*.

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4:00 Alice E Huff*, University of California, Los Angeles (UCLA), *Learning from New Orleans: School Reform, Educative Experience, and Democratic Life.*

3545. Perspectives in Regional Planning and Development (Sponsored by Regional Development and Planning Specialty Group)

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)

ORGANIZER(S): George Pomeroy, Shippensburg University

CHAIR(S): George Pomeroy, Shippensburg University

2:40 George Pomeroy*, Shippensburg University; John Benhart*, Shippensburg University, *Evaluating the Impact of the Franklin County, Pa., Comprehensive Plan and Rural Development Initiatives on Regional Development.*

3:00 Rajrani Kalra*, California State University, San Bernardino, *Information Technology and Regional Development in the National Capital Region of Delhi, India.*

3:20 Sudhir Thakur*, California State University Sacramento, *Infrastructure and Spatial Development in India: Trends and Policy Implications.*

3:40 Christopher Cusack*, Keene State College, *What does it mean to go green? Sustainability initiatives on campuses and in cities across the United States.*

4:00 Samuel Thompson*, Western Illinois University, *University and Community Partnership: The WIU GIS Center.*

3546. Urban Geography and Planning

Room: Malibu Parlor 3158, Westin, 31st Floor (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Felicity HH Chan

2:40 Charles W. Abbott*, University of Iowa, *Finding and understanding ethnic churches in Western New York State.*

2:45 James E Baker*, William Paterson University of New Jersey, *National Capitals for National States: Producing the post-Soviet Capital City.*

2:50 Tingting Chen*, Department of Building and Real Estate, The Hong Kong Polytechnic University; Francis K. W. Wong, Department of Building and Real Estate, The Polytechnic University of Hong Kong; Eddie C. M. Hui, Department of Building and Real Estate, The Polytechnic University of Hong Kong, *Preliminary findings for residential mobility and job-housing mismatch for social housing residents in Guangzhou, China.*

2:55 Lynia Yan*, China Academy of Urban Planning & Design Western Branch; Jihua Liu, China Academy of Urban Planning & Design Western Branch; Yixing Chen, China Academy of Urban Planning & Design Western Branch, *Redevelopment under High-speed Expansion: the Renewal Story of Chongqing Yuzhong District.*

3:00 Regina Obilie Amoako-Sakyi*, University of Cape Coast, *Running an efficient University shuttle: A reflection of challenges in the public transport system in Ghana?.*

3:05 Aditi Ranjan, PhD*, Delhi University, India; Pankaj Lal, PhD, Assistant Professor, Montclair State University, Montclair NJ 07003; Andres Susaeta, PhD, University of Florida, Gainesville FL 32611, *Influence of Socioeconomic and Trip Considerations on Mode Choice: Evidence from Delhi Metro.*

3:10 Richard D Quodomine, MA, AAG*, NYS DOT, *Transit in the USA: Using GIS to increase efficiency.*

3:15 Alison Merrick*, Temple University, Undergraduate Student, Diamond Research Scholar, *Examining Accessibility of SEPTA.*

3:20 Wei-Hsin Fu*, Carleton College; Tsegaye Nega, Carleton College, *Where to Find Some Quiet? Road Traffic Noise Footprint in the Conterminous United States.*

3:25 Chulsue Hwang*, Kyung Hee University, *The Applicability of 3D Information in the Site Planning and Design*

Process for Housing Complex.

3:30 Surajit Chakravarty, PhD*, ALHOSN University, *"Vegetarian executive bachelors only": Tracing meanings in transient spaces from housing advertisements in Abu Dhabi.*

3:35 Felicity HH Chan, PhD Candidate*, Sol Price School of Public Policy, University of Southern California, *Mapping the boundaries and territories of globalizing multi-ethnic neighborhoods in Los Angeles.*

3:40 Wook Lee*, Edinboro University of Pennsylvania, *Worker flow between job and residential locations.*

3547. Spatial Analysis and Pollution Modeling

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Joshua Perlman, UC Davis

2:40 Tyler Roberts*, University of Colorado at Boulder, *Economic base and relative cohort size as linear and non-linear drivers of carbon dioxide emissions in the US: A cross-sectional and spatial-panel approach.*

3:00 Larry C.H. Chow*, Hong Kong Baptist University, *How Hong Kong Tackles GHG Emissions?.*

3:20 Rong Fan*, Susanna T.Y. Tong; Yu Sun, *Evaluation of the efficacy of different best management practices under the current and future climatic regimes in Lower Price Hill, Cincinnati.*

3:40 Jinfeng Wang*, *Projecting Areal Air Pollution by One Site Observation.*

4:00 Joshua Perlman*, UC Davis; Robert Hijmans, UC Davis, *Using the MODIS burned area product for classification of agricultural fires globally.*

3550. Orange County, California: Iconic Suburbia in Transition (Sponsored by Urban Geography Specialty Group)

Room: Angeleno, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Robert Young, California State University, Fullerton; Mark Drayse, California State University, Fullerton

CHAIR(S): Robert Young, California State University, Fullerton

Introducer: Robert Young

2:42 Mark H. Drayse*, California State University, Fullerton, *Suburbia Transformed: Economy and Society in 21st Century Orange County, California.*

3:02 Tiffany Seeley*, California State University Fullerton, *Gentrification and Change in a Latino Downtown.*

3:22 Robert (Ray) Young*, California State University, Fullerton, *Delimited Blight and Municipal Fiscal Intensity in Suburban California.*

3:42 Tamara Wagner*, California State University, Fullerton, *Sustainability Assessment and Tracking at a Large Commuter University: A Case Study of CSU Fullerton.*

3551. An unlikely success story? Olympic cities and the London 2012 experience (II): Same old neoliberalism every four years? Continuity and openings in Olympic Games policy

Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Joachim Thiel, HafenCity University of Hamburg; Mike Raco, University College London

CHAIR(S): Joachim Thiel, HafenCity University of Hamburg

2:40 Allan Cochrane*, Open University, *Thinking about the local politics of globalism: reframing the London Olympics.*

3:00 Andrew Davies*, University College London, *Managing Complexity and Uncertainty: Constructing the London Olympics 2012.*

3:20 Carlos Vainer*, IPPUR - Universidade Federal do Rio de Janeiro, *Mega-events and the city of exception: Theoretical explorations of Brazilian experience.*

3:40 Fabricio L. Oliveira*, Instituto de Pesquisa e Planejamento Urbano e Regional UFRJ, *Urban Politics and Olympic Games in Rio de Janeiro.*

Discussant(s): Gernot Grabher, HafenCity University

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- 3552. Honoring the Scholarship of Professor David M. Mark (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)**
Room: Grand Ballroom Salon 1, The LA Hotel, Level 2 (Panel Session)
 ORGANIZER(S): May Yuan, Univ of Oklahoma
 CHAIR(S): Benjamin Zhan, Texas State University-San Marcos
 Discussant(s): May Yuan, Univ of Oklahoma
 Panelists: Ross Purves, Department of Geography, University of Zurich; André Skupin, San Diego State University; Ling Bian, SUNY- Buffalo; Stephen Hirtle, University of Pittsburgh; Werner Kuhn, University of Muenster; Scott Freunds Schuh, University of New Mexico
- 3553. Getting There is Half the Fun: Maritime and Land-Based Logistics (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Transportation Geography Specialty Group)**
Room: Grand Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Olof Moen, University of Gothenburg
2:40 Regina Salvador*, Universidade Nova Lisboa, *The Emerging Portuguese Maritime Mega- Cluster.*
3:00 Cecilia Cruz*, IFSTTAR, *Time deliveries deadlines: consequences in organization of urban freight.*
3:20 Laetitia Dablanc*, IFSTTAR, *Logistics sprawl in Los Angeles.*
3:40 Olof Moen*, University of Gothenburg, *Co-distribution of goods in local government - a new way of logistics and transport planning.*
- 3554. Cultural Geography of Marine Resource Management - Session 2 (Sponsored by Cultural and Political Ecology Specialty Group, Coastal and Marine Specialty Group)**
Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Arielle Levine, San Diego State University; Laurie Richmond, Humboldt State University
 CHAIR(S): Arielle Levine, San Diego State University
 Introducer: Arielle Levine
2:42 Carrie Pomeroy, University of California-Santa Cruz, Institute of Marine Sciences; Colleen Sullivan, College of Earth, Ocean, and Atmospheric Sciences, Oregon State University; Madeleine Hall-Arber, Massachusetts Institute of Technology, Sea Grant College Program; Flaxen Conway, College of Earth, Ocean, and Atmospheric Sciences, Oregon State University; Dawn Wright*, Environmental Systems Research Institute and College of Earth, Ocean, and Atmospheric Science, Oregon State University, *Combining GIS and Ethnography to Better Understand and Plan Ocean Space Use.*
3:01 Christine M Beitzl*, University of Georgia, *Navigating through time and space: A geographic information systems (GIS) application and ethnographic analysis of the fishing effort in an Ecuadorian mangrove estuary.*
3:20 Cheryl Chen*, UC Santa Barbara, Geography Department, *Mapping and Measuring Vulnerability in the California Commercial Urchin Fishery.*
3:39 Allain J Barnett, MS*, Arizona State University, *The Multi-Scale Sources of Vulnerability in Lobster Fishing Communities: The Case of Southwest Nova Scotia.*
3:58 Rebecca L Gruby*, Duke University; Lisa M Campbell, PhD, Duke University, *Small island states as large ocean region: Scalar strategies toward transcending Pacific Island 'smallness' on the global environmental governance stage.*
 Discussant(s): Laurie Richmond, Humboldt State University
- 3555. Climate Specialty Group Plenary Speaker: Patrick Harr (Sponsored by Climate Specialty Group)**
Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Jill Coleman, Ball State University
- CHAIR(S): Jill Coleman, Ball State University
- 3556. Mixed Methods and Hybrid Epistemologies in Climate Change Research III (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Climate Change, Variability, Adaptation and Justice)**
Room: Highland, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Jeff Popke, East Carolina University; Douglas Gamble, University of North Carolina - Wilmington
 CHAIR(S): Ed Carr, University of South Carolina
2:40 Andrea J. Nightingale, PhD*, University of Gothenburg, *Adaptation at the Third Pole: political transition and the challenges to adaptation.*
3:00 Holly Jean Buck*, Cornell University; Andrea Gammon*, University of Montana, *Climate Engineering Research and Gender: Alternate Ways of Understanding What It Means to "Geoengineer".*
3:20 Anna C Taylor*, University of Cape Town, *Knowledge on Policy-Making to Address Climate Change at the City Scale.*
3:40 Santiago Lopez, PhD*, University of Washington Bothell, *Linking people, land use, and climate: A mixed-methods approach to analyzing climate change in the Tropical Andes..*
4:00 Eric Lovell*, University of Colorado - Boulder, *Cartographies of Pastoral Mobility: Mapping Maasai Narratives of Drought Coping in Northern Tanzania.*
- 3557. Interrogating constructions of biodiversity for 21st century challenges 2: Negotiating Institutional Spaces (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: Hollywood, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Elizabeth Barron, Harvard University; Deborah Scott, Rutgers University
 CHAIR(S): Elizabeth Barron, Harvard University
2:40 Deborah Scott, JD*, Rutgers University, *Expertise and uncertainty: the contested journey of synthetic biology at the Convention on Biological Diversity.*
3:00 Kelly Kay*, Clark University, *Biodiversity Conservation as Westernization: Natura 2000 and Croatia's Bid for EU Membership.*
3:20 Alicia Mireya Bravo Frey*, Clark University, *Multi-stakeholder Action and Biodiversity Conservation: Towards an understanding of the emergence of environmental institutions.*
3:40 Benjamin Neimark*, Old Dominion University, *Genetic Dispossession: Metrological Regimes, Bioprospecting and the Creation of New Commodities for Biodiversity Conservation in Madagascar.*
 Discussant(s): Matthew Turner, University of Wisconsin-Madison
- 3558. A Golden Age of Gas? Understanding the Geographical Political Economy of Natural Gas, 1 (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group, Climate Change, Variability, Adaptation and Justice)**
Room: Melrose, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Gavin Bridge, University of Manchester; Stefan Bouzarovski, University of Manchester
 CHAIR(S): Michael J Bradshaw, University of Leicester
2:40 Joseph L Dutton*, University of Leicester, *European Shale Gas: In The Pipeline Or just A Pipedream?.*
3:00 Arielle Hesse*, Penn State, *Becoming a Marcellus Man: Fracking Masculinities in a Safety Supply Store.*
3:20 Deborah A. Kittner, MPA*, University of Cincinnati, *An Analysis of Stakeholders in the Marcellus Shale of Pennsylvania: Across Sector and Scale.*
3:40 Stefan Bouzarovski*, University of Manchester, *Overland Hydrocarbon Flows as a Socio-Technical Assemblage: Mapping the Governance of European Piped Gas*

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- 4:00 Gavin Bridge*, University of Manchester, *The Territorialities of Liquefied Natural Gas*.

3559. Reworking Urban Nature: Tensions and Synergies in the Greening of Cities I (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Olvera, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Andrew Karvonen, University of Manchester; Stephanie Pincetl, University of California

CHAIR(S): Stephanie Pincetl, University of California

- 2:40 Jochen Monstadt*, Darmstadt University of Technology, *Greening Los Angeles? Urban obduracies and the struggle towards green urbanism in the infrastructural city*.

- 3:00 James Evans*, University of Manchester, *From Endless Village to Resilient City: the power and promise of contemporary discourses governing urban nature*.

- 3:20 Ursula Lang*, University of Minnesota, *The rhythms of yards: time and nature in the city*.

- 3:40 Henrik Ernstson, PhD*, African Centre for Cities, University of Cape Town; Jane Battersby, PhD, African Centre for Cities, University of Cape Town; Marnie Graham, Department of Systems Ecology, Stockholm University; Mary Lawhon, PhD, African Centre for Cities, University of Cape Town; Joshua Lewis, Department of Systems Ecology, Stockholm University; Jessica Rattle, African Centre for Cities, University of Cape Town; Sverker Sörlin, Professor, Environmental Humanities Lab, Royal Institute of Technology (KTH) Stockholm, *Reworking urban natures through empirical case studies in Cape Town: Contestations through alien trees, indigenous shrubs, wetlands and vegetables*.

- 4:00 Marla R Emery, Ph.D.*, USDA Forest Service; Patrick T. Hurley, Ph.D., Ursinus College; Rebecca McLain, Ph.D., Portland State University; Melissa Poe, Ph.D., Independent Scholar; Lindsay Campbell, USDA Forest Service; Erika Svendsen, Ph.D., USDA Forest Service, *Wild food spaces in New York City*.

3560. Genres of Global Urbanisms: Key Approaches (Sponsored by Political Geography Specialty Group, Global Urbanization, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Olympic, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Ananya Roy, University of California, Berkeley; Eric S. Sheppard, University of Minnesota - Minneapolis

CHAIR(S): Ananya Roy, University of California, Berkeley

- 2:40 Jane M Jacobs*, Yale-NUS College; Stephen Cairns, Future Cities Lab, ETH-NUS, Singapore, *The difference repetition makes, or what does (urban) repetition want?*.

- 3:00 Edgar Pieterse, Professor*, African Centre for Cities, University of Cape Town, *Navigating Urbanisms*.

- 3:20 AbdouMalik Simone*, Goldsmiths College, University of London, *Urbanism in the majority world: the political technology of the "hinge."*.

- 3:40 Christian Schmid*, ETH Zurich, *Towards a new epistemology of the urban*.

Discussant(s): Ananya Roy, University of California, Berkeley

3561. Geographies of Media II: Cinema (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Joseph Palis, North Carolina State University; John Finn, Christopher Newport University

CHAIR(S): Christopher Lukinbeal, University of Arizona

- 2:40 David B. Clarke*, Swansea University/Prifysgol Abertawe; Marcus A. Doel, Swansea University/Prifysgol Abertawe, *Double Vision: Metropolis Revisited*.

- 3:00 Richard Waugh*, University of Wisconsin, Platteville, *Censorship and the Construction of Gender Identity: the Portrayal of Cleopatra in Film*.

- 3:20 Laura L. Sharp*, University of Kentucky, *Reading the Soviet Far East in Kurosawa's Dersu Uzala (1975)*.

- 3:40 Scott Kirsch*, University of North Carolina at Chapel Hill; Joseph Palis*, North Carolina State University, *"Native Life in the Philippines": The Cinematic Ambitions of Dean C. Worcester*.

3562. Hazards, Risks, and Disasters Specialty Group Session: Perception, Resilience, and Recovery (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Ronald R Hagelman III, Texas State University

CHAIR(S): Ronald R Hagelman III, Texas State University

- 2:40 Sarah A Mason, BSc*, University of Western Ontario; Isaac Luginaah, PhD, University of Western Ontario, *Risk perception associated with the siting process of a biosolid treatment facility and subsequent agricultural application in the Township of Southgate, Ontario*.

- 3:00 Heather Chappells*, Dalhousie University; Trevor Dummer, Dalhousie University; Norma Campbell, Dalhousie University; Laura Nauta, Dalhousie University; Louise Parker, Dalhousie University, *Invisible contamination: The social and cultural framings of arsenic identification and remediation in Nova Scotia's domestic drinking water wells*.

- 3:20 Magali Reghezza*, Ecole normale supérieure; Samuel Rufat, Université Cergy-Pontoise; Damienne Provitolo*, UMR Géoazur, *Resilience, the positive flipside of vulnerability? Looking in another direction..*

- 3:40 Kaori ITO, associate professor*, Department of Architecture, Tokyo University of Science; Sadayasu Aono, research fellow, Department of Urban Engineering, The University of Tokyo; Nobuaki Ohmori, associate professor, Department of Urban Engineering, The University of Tokyo; Yukari Niwa, assistant professor, Department of Architecture, Tokyo University of Science; Mariko Kawama, undergraduate student, Department of Architecture, Tokyo University of Science; Chika Kawamata, undergraduate student, Department of Architecture, Tokyo University of Science, *Observations of Going-home Behavior in the Greater Tokyo Metropolitan Area after a Major Earthquake*.

- 4:00 Juan Du*, Academy of Disaster Reduction and Emergency Management, Ministry of Civil Affairs & Ministry of Education, China; Saini Yang, Academy of Disaster Reduction and Emergency Management, Ministry of Civil Affairs & Ministry of Education, China, *The Impact of Social Capital on Post-Disaster Recovery*.

3563. Will Power I: creative ontologies for changing difference

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): John-David Dewsbury, University of Bristol; David Bissell, The Australian National University

CHAIR(S): John-David Dewsbury, University of Bristol

Introducer: David Bissell

- 3:00 Scott Sharpe*, University of New South Wales at the Australian Defence Force Academy, *Towards Untoward Laughter: Laughter, the Will and the Truth of Inconvenience*.

- 3:20 Catherine Ayres*, Australian National University, *Sitting on the fence: materialising spirit, resilience and will in Australian landscapes*.

- 3:40 Seimeng Lai*, UNSW; Scott Sharpe, PhD, University of New South Wales at Canberra, *Willing to Play*,

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Unwilling to Stop: the Will and its Relation to Video Gaming Habits.

- 4:00 Peter Rogers*, Macquarie University, *Willful Subjects: Responsibility, Disorder and Political Will.*

3564. Carceral Geography: Debates, Developments and Directions IV

Room: Pico, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Dominique Moran, University of Birmingham

CHAIR(S): Amy Buitenhuis, University of Toronto

- 2:40 Adam C Morse*, Clark University, *The Geopolitical Imaginations and Discursive Context of Guantanamo Bay, Cuba: The Geopolitics of Identity and Legal Exceptionalism of Detainees.*

- 3:00 Anne K Knowles*, Middlebury College; Paul B. Jaskot, DePaul University; Benjamin Perry Blackshear, NYC Parks, *Spatialities of the SS Concentration Camps.*

- 3:20 Francois Debrix*, Virginia Tech, *Geographies of Horror: Judith Butler's Topologies of Vulnerability and the Pluralization of Camp Life.*

- 3:40 Eric Weber*, Oak Ridge National Laboratory; Phil Coleman, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Amy Rose, Oak Ridge National Laboratory, *Spatially Precise Accounting of Prisoner Populations in Nighttime Population Models.*

- 4:00 Amy Buitenhuis*, University of Toronto, *Public-Private Partnerships for Prison Infrastructure Delivery in Ontario: The Impacts of Neoliberal Shifts in Governance Scale and Structure.*

3570. Poverty & Informality: International Perspectives

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Olubunmi O Alugbin, Individual

- 2:40 Guillermo Jaimes*, University of California, Berkeley, *What's in a name? A spatial analysis of the mismatch between government categorized and non-categorized slum communities in Rio de Janeiro, Brazil using data from the 2010 Brazilian Census.*

- 3:00 Judicaëlle Dietrich*, Sorbonne University, *Managing the poor instead of fighting against poverty in a competitive Asian metropolis: the case of Jakarta.*

- 3:20 Martha Kolokotroni*, SEC - Future Cities Laboratory, Singapore, *Dharavi: An arena of conflicts and demonstrations.*

- 3:40 John Harris*, Florida State University, *Informality as Urbanization in Nairobi.*

- 4:00 Olubunmi O Alugbin*, Lagos State, Nigeria, *Urbanization and the informal sector: Challenges and opportunities for Sustainable Development In Lagos.*

3571. Environmental Management and the Respacing of Livelihoods and Food Security in Sub-Saharan Africa - Conceptual Thoughts and Methodological Approaches 2 (Sponsored by Human Dimensions of Global Change Specialty Group, Africa Specialty Group)

Room: Bernard's, Biltmore, Lobby Level (Panel Session)

ORGANIZER(S): Fred W. Krueger; Cyrus Samimi, University of Vienna

CHAIR(S): Cyrus Samimi, University of Vienna

Panelists: Michael Mascia, World Wildlife Fund; William G Moseley, Macalester College; Clionadh Raleigh, Trinity College Dublin; Chinwe Ifejika Speranza, Centre for Development and Environment (CDE), University of Bern; Joel Hartter

3572. Transnationalism and Urbanism in the Middle East

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Zia Salim, San Diego State University / University of

California, Santa Barbara

- 2:40 Ghada Masri, Ph.D.*, Marymount College, *Gossip, Reputation, and the Spatial Regulation of Women in Contemporary Beirut.*

- 3:00 Elise Braud*, Ecole Normale Supérieure (Paris), *From Neoliberalism to Gated Communities, in Search of the Missing Link: a Case Study on the Outskirts of Cairo Since the Neoliberal Turn of the Early 1990's.*

- 3:20 Shawhin Roudbari*, University of California, Berkeley, *Transnationalization of Design Awards: Iranian Architects and the Shifting Geography of Architecture Acknowledgment.*

- 3:40 Zia Salim*, San Diego State University / University of California, Santa Barbara, *Gated communities and social networks: A case study from Bahrain.*

- 4:00 Garret Maher, PhD*, Gulf University for Science and Technology, *High Skilled Migration to Kuwait: A New Frontier in the Middle East.*

3573. Queer(ing) Geographies IV: Institutional politics (2) (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Corinthian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Sean Wang, Syracuse University; Emily

Mitchell-Eaton, Syracuse University

CHAIR(S): Emily Mitchell-Eaton, Syracuse University

Introducer: Emily Mitchell-Eaton

- 2:48 Sean Wang*, Syracuse University, *Encountering Metronormativity: Politics of queer visibility in central New York.*

- 3:06 Ashton Wesner, B.A., Doctoral Student*, University of California, Berkeley, *Penetrating the Colonial Landscape: queer bodies, land, and Native visuality in Kent Monkman's "Artist and Model".*

- 3:24 Matthew Thomann*, American University, *Queering the Non Profit Industrial Complex.*

- 3:42 Kath Browne*, University of Brighton; Catherine J. Nash, Dr., Brock University, *Resisting Queer: Reinstating Heteronormativities.*

Discussant(s): Tracey Skelton, National University of Singapore

3574. Future of the Capitalist City (Sponsored by Global Urbanization)

Room: Corsican, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Daniel Aldana Cohen, NYU

CHAIR(S): Kavita S Philip, History, UC Irvine

Introducer: Kavita S Philip

- 2:50 Yannis Tzaninis*, University of Amsterdam, *Scarcities in Space and the Suburb in Motion: from Amsterdam to Almere and back again.*

- 3:10 Anne Vogelpohl*, Goethe University Frankfurt (Main), *Urban Futures - A Playground for Consultancies.*

- 3:30 Jessi Quizar, Ph.D. Candidate*, University of Southern California, *Who cares for the 'hood? The commons and neighbor management of "vacant" land in Detroit.*

- 3:50 Daniel Aldana Cohen*, NYU, *Climate Change, "post-materialism", and the future of the capitalist city.*

Discussant(s): Max Besbris, New York University

3575. Remote Sensing, Urban Applications

Room: Florentine, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Timothy A Warner, West Virginia University

- 2:40 Xiaoxiao Li*, ASU, *Object-oriented land-cover classification using aerial photography on semi-arid urban area.*

- 3:00 Jason Su*, University of California, Berkeley; Edmund Seto, PhD, University of California, Berkeley; Michael Jerrett, PhD, University of California, Berkeley, *Integrating spectral, object-based and textural*

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analysis for urban land-use land-cover classification for Barcelona using high spatial resolution satellite imagery.

3:20 Di Shi*, Florida State University; Xiaojun Yang, Florida State University, *Use of Hyperspectral Imagery to Map Land Use/ Cover in an Urban Area.*

3:40 Naizhuo Zhao*, Texas State University-San Marcos, *Brightness of nighttime lights as an indicator for disaggregating carbon dioxide emission.*

4:00 Timothy A Warner*, West Virginia University; Shushanik Asmarayan, Center for Ecological-Noosphere Studies, National Academy of Sciences of the Republic of Armenia; Vahagn Muradyan, Center for Ecological-Noosphere Studies, National Academy of Sciences of the Republic of Armenia, *Monitoring urban pollution: scaling from field spectra to satellite imagery.*

3576. Urban Sustainability

Room: Grecian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Monoj Hazarika, Cotton College

2:40 Liu Qian*, Hong Kong University; Chen An xin, The Architectural Design and Research Institute of Guangdong Province, *The Assessment of sustainability of parking management in Chinese Metropolises.*

3:00 Svante Karlsson*, Umeå university; Magnus Strömgren*, Umeå university, *Between the Owner and the Owned: The Geography of Investment Strategies Among Swedish Forest Owners.*

3:20 Shammi Akter Satu*, PhD Candidate, Department of Urban Planning and Design, The University of Hong Kong; Rebecca L. H. Chiu, Professor, Department of Urban Planning and Design, The University of Hong Kong, *The impact of Dhaka's high density development on livability: A sustainability perspective.*

3:40 Monoj Hazarika*, Cotton College, *Planning Guwahati city for sustainable development - a geographical analyses.*

4:00 Bradley Barrick*, Oak Ridge National Laboratory, *Exploring Demographic Factors within India's Informal Communities.*

3577. Land Systems Science Symposium: Human Dimensions of Land Systems I (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Heinsbergen, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Richard Aspinall

CHAIR(S): Rinku Roy Chowdhury, Indiana University

2:40 Lowe Börjeson*, Dept. of Human Geography, Stockholm University, *Landesque capital: a useful concept for land systems research?*

3:00 Douglas Batson*, U.S. Board on Geographic Names, *The Land Administration Domain Model as a Peacebuilding Tool.*

3:20 John Harrington Jr*, Kansas State University, *Maps and Locals: Understanding Land Cover Change at NSF LTER Sites.*

3:40 Ran Meng*, Department of Geography, University of Utah; Philip E. Dennison, Department of Geography, University of Utah; Simon C. Brewer, Department of Geography, University of Utah; Max A. Moritz, University of California, Berkeley; Carla D'Antonio, University of California, Santa Barbara, *Analysis of vegetation community recovery following wildfires in southern California based on multitemporal Landsat imagery.*

4:00 Martin Rudbeck Jepsen*, University of Copenhagen, Department of Geography and Geology; Karlheinz Erb, Institute for Social Ecology, Alpen-Adria Universität; Tobias Kuemmerle, Humboldt Universität;

Peter Verburg, Institute for environmental studies, IVM; Anette Reenberg, University of Copenhagen, Department of Geography and Geology, *Changes in European land management regimes 1860-2010.*

3578. Social Computing, Cyberinfrastructure, and GIS

Room: Mediterranean, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yelizaveta Skryzhevskaya, Miami University of Ohio

2:40 Grant McKenzie*, University of California, Santa Barbara, *A User Similarity Measure Built on Unstructured Geosocial Data.*

3:00 Krzysztof Janc*, Wrocław University, *Interlinks between information sources in agriculture - hyperlinks analysis.*

3:20 Steve McClure*, George Mason University, Fairfax, Virginia/ LIESMRS, Wuhan University, PRC, *Getting-Out-The-Vote: GIS, Virginia New Majority and civic engagement.*

3:40 Liza Skryzhevskaya*, Miami University of Ohio; Jerry Green, Miami University of Ohio; Robbyn Abbitt, Miami University of Ohio, *GIS Text Content as a Basis for Map Interpretation Skill Development.*

3579. Environmental Policy and Governance

Room: Moroccan, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Max Handler, Pierce College

2:40 Kayla Yurco*, Pennsylvania State University; Brian King, Pennsylvania State University, *Perceptions of human-wildlife interactions in increasingly unpredictable spaces: Variability and uncertainty in the Okavango Delta, Botswana.*

3:00 Mark Lawler, BA, MS*, Department of Geography and Environmental Studies, *Non-federal collaborators in endangered species-driven river restoration: How risk and incentive mobilize institutional supply in the Middle Rio Grande Endangered Species Collaborative Program.*

3:20 Kathryn Elizabeth Humphries*, University of Cambridge, *Struggles for Power in Tanzanian Wildlife Management Areas: A Politics of Scales Perspective.*

3:40 Elizabeth D. Smith*, Slippery Rock University, *Australia's Environmental Policies: Helping or Hindering Endangered Species.*

4:00 Max Handler*, Pierce College, *Conservation Technology and the Spatial Management of Fisheries Bycatch: Foucauldian and Simondonian Perspectives.*

3580. Beyond the Columbian Exchange: Panel Discussion on the Environmental histories of the palaeo- and neotropics (Sponsored by Cultural and Political Ecology Specialty Group, Biogeography Specialty Group, Historical Geography Specialty Group)

Room: Roman, Biltmore, Mezzanine Level (Panel Session)

ORGANIZER(S): Haripriya Rangan, Monash University; Judith Carney, University of California, Los Angeles (UCLA)

CHAIR(S): Haripriya Rangan, Monash University

Panelists: Judith Carney, University of California, Los Angeles (UCLA); Haripriya Rangan, Monash University; Andrew Sluyter, The Louisiana State University; Chris S. Duvall, University of New Mexico; Kendra McSweeney, The Ohio State University

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- 3601. Geographies of Hope Symposium 8: Geographies of “Mas Allá”: Cosmologies, Dreams, Emotions, Healing and “Other” Hopeful Geographies Be(y)on(d) the Map (Sponsored by Rural Geography Specialty Group, Cultural Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Development Geographies Specialty Group, Indigenous Peoples Specialty Group, Ethnic Geography Specialty Group)**

Room: Beaudry A, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Julianne A. Hazlewood, UNESCO
 CHAIR(S): Julianne A. Hazlewood, UNESCO
 Panelists: Mario Blaser, Memorial University of Newfoundland;
 T. Garrett Graddy, American University School of International Service; Julianne A. Hazlewood, UNESCO; Sarah Hunt, Simon Fraser University; Beth Rose Middleton, UC Davis; Laurel C. Smith, University of Oklahoma; Renee Louis, Institute of Policy and Social Research

- 3602. Economic Geography VIII - The Evolution of Regional and International Networks (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)**

Room: Beaudry B, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Dieter F. Kogler, University College Dublin; David Rigby, University of California, Los Angeles (UCLA)
 CHAIR(S): Dieter F. Kogler, University College Dublin
4:40 Stefan Dormans, Radboud University Nijmegen; Bas Hendriks, Radboud University Nijmegen; Arnoud Lagendijk*, Radboud University Nijmegen, *On the emergence, circulation and evolution of socio-economic practices. Mapping the global proliferation of the many-in-one Slow Food Movement.*
5:00 Sharmistha Bagchi-Sen*, SUNY-Buffalo; Peter J Kedron, Dr. Ryerson University, *Knowledge Networks in Emerging Energy Industries.*
5:20 Rune D Fitjar*, International Research Institute of Stavanger; Andrés Rodríguez-Pose, London School of Economics and Political Science, *Cooperation through the Policy Filter: How Regional Policies Filter the Impact of Cooperation on Innovation in Norway.*
5:40 Heidi Wiig Aslesen*, BI - Norwegian Business School; Sverre Herstad, Nifu, *North-South Dividing Lines in the Global Innovation Network Linkages of Icts.*
 Discussant(s): Bjorn Asheim, Circle, Lund University

- 3603. Adaptive Capacity at the Intersection of Local Knowledge and Local Institutions in Northern Tanzania (Sponsored by Cultural and Political Ecology Specialty Group, Africa Specialty Group)**

Room: La Brea, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Thomas Smucker, Ohio University
 CHAIR(S): Thomas Smucker, Ohio University
4:40 Thomas Smucker*, Ohio University, *Conceptualization and Measurement of Inequality in Socio-Geographic Adaptive Capacity at Regional and Local Scales in Kilimanjaro Region, Tanzania.*
5:00 Elizabeth Edna Wangui*, Ohio University, *Resilience or transformation? Examining gendered adaptive strategies to climate change at village level in northern Tanzania.*
5:20 Samantha M Jones*, Ohio University, *Sacred Forests, Social Change, and Conservation: Case Study in the North Pare Mountains, Tanzania.*
5:40 Ben Wisner*, Independent Scholar, *Let Many Flowers Blossom, Many Rain Gauges Fill: Tanzanian secondary schools' role adapting to climate change.*
6:00 Gaurav Sinha, Assistant Professor*, Ohio University; Eric

Lovell, Graduate Student, University of Colorado, Boulder, *Local Knowledge and Climate Change Adaptation Project (LKCCAP): Challenges in Geographic Representation.*

- 3604. Fragments of an Anarchist Geography: A Conversation**

Room: La Cienega, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Levi Van Sant, university of georgia; Jason Rhodes, University of Georgia
 CHAIR(S): Levi Van Sant, university of georgia
 Discussant(s): Tyler Duffy; joshua j. kurz, Ohio State University; Michele Flippo Bolduc, University of Kentucky; Carrie Mott; Sasha Davis, University of Hawaii - Hilo; Renata Blumberg, University of Minnesota

- 3605. Sustainable Development: Translating the buzzword into practice (Sponsored by Regional Development and Planning Specialty Group)**

Room: Los Cerritos, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Vandana Wadhwa, Boston University
 CHAIR(S): Vandana Wadhwa, Boston University
4:40 Ingrid Behrsin*, Geography Graduate Group, UC Davis, *Pathways to Power: A comparative case study analysis of two advocacy coalitions' efforts to influence decision makers in public transportation planning initiatives.*
5:00 Dave Lemberg*, Western Michigan University, *Evaluating Tri-Modal Leisure Corridors: Sustainable Recreation and Tourism Development or Greenwashed Road Trips.*
5:20 Suman Gautam*, Mayo College, Ajmer; suman gautam, Mayo College, *'Bare Truth' - Environment Sustainability The Right Way.*
5:40 Keshav Bhattarai*, University of Central Missouri, *Conversing with Global Climate Change: Bickering Efforts of Poverty Alleviation and Sustainable Development in Nepal.*
6:00 Anne Jégou*, Université de Bourgogne, *Sustainable policies in Parisian metropolis through environmental geography.*

- 3606. Violence and Space VII - Bodies (Sponsored by Political Geography Specialty Group)**

Room: Los Feliz, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Philippe Le Billon, University of British Columbia; Simon Springer, University of Victoria
 CHAIR(S): Simon Springer, University of Victoria
4:40 Claudio Minca*, Wageningen University; Chin-Ee Ong, Cultural Geography, Wageningen University, *Violence and (Carceral) Space: Disciplining Bodies and Reshaping Minds in Hotel Lloyd, Amsterdam, 1947-1961..*
4:58 Cindy Holmes, PhD*, University of British Columbia, *Violence denied, bodies erased: Towards an interlocking spatial framework for queer anti-violence organizing.*
5:16 Joshua Inwood*, University of Tennessee, *Life and Death in the Racial State: Biopolitics, Violence, and the Execution of Troy Davis.*
5:34 Samuel Henkin*, Kent State University; James A. Tyner, PhD, Kent State University, *Violence, Security and Surveillance in Cambodia: A Narrative.*
5:52 Kevin M. DeJesus, PhD*, Rhode Island College, *Pitching up Place and the Politics of Personhood: Lebanon's Family Activists: Undoing the Abyss of the Disappeared?.*

- 3607. Beyond Food (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

Room: Palos Verdes, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Lindsay Naylor
 CHAIR(S): Lindsay Naylor

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Panelists: Jessica Hayes-Conroy, Hobart & William Smith Colleges; Aaron Bobrow-Strain, Whitman College; Julie Guthman, Univ of California Santa Cruz; Susanne Freidberg, Dartmouth College; Alison Hope Alkon, University of the Pacific; Daniel Buck, University of Oregon; Daniel Block, Chicago State University

3608. Geography in the Americas: Making the Most of Student Exchanges for Research and Study Abroad (Sponsored by Latin America Specialty Group, Graduate Student Affinity Group, Association of American Geographers)

Room: San Bernardino, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Patricia A. Solis, Association of American Geographers; David Salisbury, University of Richmond
CHAIR(S): Patricia A. Solis, Association of American Geographers

Introducer: David Salisbury

Discussant(s): Santiago Borrero, Pam American Institute of Geography and History

Panelists: Betty Smith, Eastern Illinois University; Alicia Tyson, University of Denver; Catherine Jampel; Gregory Knapp, University of Texas - Austin; Humberto Reyes Hernandez, Universidad Autonoma San Luis Potosi; Brittany Davis, University of Arizona; Alfonso Fernandez, The Ohio State University; Fausto O. Sarmiento, University of Georgia; Tom Narins, Student

3609. Climate Specialty Group Student Paper Competition (Sponsored by Climate Specialty Group)

Room: San Fernando, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Corene J. Matyas, University of Florida
CHAIR(S): Corene J. Matyas, University of Florida

4:40 Cameron C. Lee*, Kent State University; Thomas J. Ballinger, Kent State University; Natalia A. Domino, Kent State University, *Relating climate to the Air Quality Index in Cleveland, Ohio using a combined synoptic climatological methodology.*

5:00 Jase Bernhardt*, Pennsylvania State University; Andrew M Carleton, Dr., Pennsylvania State University, *A synoptic climatology of contrail outbreak events and associated surface temperature effects for the Continental United States.*

5:20 José J Hernández Ayala*, University of Florida, *Spatial Climatology of Rainfall Associated with Tropical Cyclones for the Island of Puerto Rico.*

5:40 Robert Hodges*, Florida State University, *The Spatial Pattern of the Sun-Hurricane Connection across the North Atlantic.*

6:00 Stephanie Zick*, University of Florida, *Thermodynamic Predictors of Tropical Cyclone Rainfall Distributions.*

3610. Spatiotemporal Thinking, Computing and Applications (STCA) Session 5: Visualization (Sponsored by Cyberinfrastructure Specialty Group)

Room: San Gabriel A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Jing Li, University of Denver; Yunfeng Jiang, Gerge Mason University

CHAIR(S): Yunfeng Jiang, Gerge Mason University

4:40 Pasteur Ottoni De Miranda Junior, Dr*, Pontificia Universidade Católica de Minas Gerais; João Francisco de Abreu, PhD, Pontificia Universidade Católica de Minas Gerais; Guilherme Caires de Miranda, Mr, Pontificia Universidade Católica de Minas, *Mobile Intelligence - A Framework For Analysis and Visualization of Time-Spatial Data Originating From Mobile Devices.*

5:00 Yunfeng Jiang*, Gerge Mason University; Jing Li, Denver of University; Chaowei Phil Yang, George Mason University; Qunying Huang, George Mason University, *Visualizing climate change with Virtual Globe.*

5:20 Yi-Yao Chiu*, Department of Geography, National Taiwan

University; Jinn-Guey Lay, Department of Geography, National Taiwan University, *Space-time Analysis of Crime in Taipei City.*

5:40 Jing Li*, University of Denver; Yunfeng Jiang, CISC, GMU; Chaowei Yang, CISC, GMU; Qunying Huang, CISC, GMU, *A hybrid CPU-GPU visualization framework for 3D/4D environmental data.*

Discussant(s): Diansheng Guo, University of South Carolina

3611. Spatial Analysis and Modeling Plenary Lecture and Geographical Analysis Reception (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: San Gabriel B, Westin, Lobby 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

Introducer: Daniel A Griffith

5:00 Morton E. O'Kelly*, The Ohio State University, *Hub Location: A Geographical Analysis.*

Discussant(s): Daniel A Griffith, University of Texas - Dallas

3612. International Geography Education Standards and Frameworks C: United States (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)

Room: San Gabriel C, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Michael N. Solem, Association of American Geographers

CHAIR(S): Michael N. Solem, Association of American Geographers

4:40 Robert Morrill*, Virginia Geographic Alliance, *Geography for Life, Second Edition.*

4:58 Michael N. Solem*, Association of American Geographers; David Lambert, PhD, Institute of Education; Sirpa Tani, PhD, University of Helsinki; Susan Heffron, PhD, AAG; Niem Huynh, PhD, AAG, *Geo-Capabilities: A Framework for International Collaborations in Teacher Preparation.*

5:16 Joseph P Stoltman*, Western Michigan University, *Geographical Standards: A comparative analysis between Germany and the United States.*

5:34 Jeffrey Lash*, University of Houston - Clear Lake, *Situating Texas' World Geography End of Course Exam in the Ecosystem of Geography Education.*

Discussant(s): Susan Gallagher Heffron, Association of American Geographers

3614. Re-cycling, or The Afterlives of Processes, Policies and Artifacts Past (VOLUME TWO) (Sponsored by Cultural Geography Specialty Group, Energy and Environment Specialty Group)

Room: Santa Anita A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Jordan Howell, Michigan State University; Kerri Jean Ormerod, University of Arizona

CHAIR(S): Kerri Jean Ormerod, University of Arizona

4:40 Robert Kopack*, Department of Geography Michigan State University, *Refashioning the Soviet Techno-Industrial Landscape for a New Kazakh Future.*

5:00 Yeesheen Yang, Ph.D.*, University of California, San Diego, *The Afterlives of Organs: Bioethics, Organ Transfer Networks, and End-of-Life Processes.*

5:20 Adam Diamond*, American University, *Contingencies and Exigencies: How Ideology, Institutions and Geography Influence Organic Waste Recycling Policy in Germany and the United States.*

Discussant(s): Scott Kirsch, University of North Carolina at Chapel Hill

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- 3616. Author meets critics session: Alex Jeffrey's "The Improvised State: Sovereignty, Performance and Agency in Dayton Bosnia" (2012, Wiley-Blackwell, Chichester) (Sponsored by Political Geography Specialty Group)**
Room: Santa Anita C, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Neil M. Coe, University of Manchester
 CHAIR(S): Gerard Toal, Virginia Tech
 Discussant(s): Alex Jeffrey, Newcastle University
 Panelists: Jason Dittmer, University College London; Nick Gill, Exeter University; Anna Secor, University of Kentucky; Lynn Staeheli, Durham University
- 3617. CyberGIS Symposium: CyberGIS for Taming Big Data (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Santa Barbara A, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Krzysztof Janowicz
 CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign
4:40 Yanli Zhao*, University of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign; Anand Padmanabhan, University of Illinois at Urbana-Champaign, *Spatial strategies for scalable spatial data analysis on heterogeneous parallel computing architecture.*
5:00 Benoit Parmentier*, National Center for Ecological Analysis and Synthesis UCSB; Brian McGill, Ecology and Environmental Science University of Maine; Jim Regetz, National Center for Ecological Analysis and Synthesis UCSB; Adam Wilson, Ecology & Evolutionary Biology University of Yale; Walter Jetz, Ecology & Evolutionary Biology University of Yale; Robert Guralnick, Ecology and Evolutionary Biology, University of Colorado at Boulder; Mark Schildhauer, National Center for Ecological Analysis and Synthesis UCSB; Martha Narro, iPlant Collaborative, *Comparison of interpolation methods for production of high resolution climate datasets.*
5:20 Zachary T Palmer*, Oak Ridge National Laboratory; David E. Axley, Oak Ridge National Laboratory; Marie L. Urban, Oak Ridge National Laboratory; Eddie A. Bright, Oak Ridge National Laboratory, *Application Development for Population Density Involving Large-scale Datasets.*
 Discussant(s): Budhendra Bhaduri, Oak Ridge National Laboratory; Krzysztof Janowicz
- 3618. Borders, Surveillance, and the New Politics of International Mobility III (Sponsored by Political Geography Specialty Group, Population Specialty Group, Borders, Economic Geography Specialty Group)**
Room: Santa Barbara B, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Martin Geiger, IMIS/Institute for Geography; Harrison Smith, Faculty of Information, University of Toronto
 CHAIR(S): Harrison Smith, Faculty of Information, University of Toronto
 Panelists: Margaret W Walton-Roberts, Wilfrid Laurier University; Reece Jones, University of Hawaii at Manoa; Gabriel Popescu, Indiana University South Bend; Martin Geiger, IMIS/Institute for Geography; Michael Collyer, University of Sussex; Emily Gilbert, University of Toronto
- 3619. New Geographies of Urban China III (Sponsored by Symposium on New Geographies of Urban China)**
Room: Santa Barbara C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Donggen Wang, Hong Kong Baptist University
 CHAIR(S): Yanwei Chai, Peking University
4:40 Zhou Suhong*; Xie Miao, *The Spatial Differentiation and Mechanism of the Elderly Neighborhoods in Transitional China: A Case Study of Guangzhou.*
5:00 Brenda Madrazo*, Utrecht University, *Residential mobility to four neighbourhood types in Nanjing, China.*
5:20 Chin-Ee Ong*, Wageningen University, *Inter-Referencing and New Geographies of China: Urban Aspirations, Policy Mobilities and the Shifting Urban Governance of Hengqin Island, China.*
5:40 Jialing Wang*, Slippery Rock University of Pennsylvania; Carolyn V. Prorok, Professor Emeritus, Slippery Rock University of Pennsylvania, *Yueyatan Park: Inclusive Social Culture of a City Park in Kunming, China.*
6:00 Caroline Chen, MLA, PhD*, University of California at Berkeley, *Mapping the Danceable City: Tracking Daily Routines of Older, Community-Dwelling Women who Dance the Yangge in Beijing, 2010.*
- 3621. Human, Health, and Medical Geographies**
Room: San Diego, Westin, Level 2 (Poster Session)
 ORGANIZER(S): Program Committee
 Jean Manuel Guzman*, Universidad de Puerto Rico; Jonatan J Cruz*, Universidad de Puerto Rico, *Queer Scene Geography in Puerto Rico.*
 Kevin Romig*, Texas State University, *Changing Locations of AAA Affiliations in Major League Baseball.*
 Thomas Laws*, Western Washington University, *Estimating Visitor Use: An Examination of Trail Counter Calibration Factors in Sequoia National Park.*
 Hyesop Shin*, Seoul National University, *Development of an Airport Choice Model: Determining Location for a New Airport in Southeast Korea.*
 Elias J. C. G. Sales*, Universidade Estadual Paulista - UNESP/Rio Claro; Fadel D. Antonio Filho, Universidade Estadual Paulista - UNESP/Rio Claro, *Theoretical contributions in the study of the Geography of Tourism.*
 Michael Hawkins*, University of Arizona, *West Coast Filipino Hip-Hop: Marxism, Colonialism, and Hip-Hop.*
 Alicia Sharon Dotson*, USMA, *The Indigenous People of Taiwan: Preserving the Culture.*
 William Kiskowski*, Kent State University, *Depictions of the Romani People in Popular Media.*
 John T Bauer*, University of Nebraska Kearney, *Frontier Settler Origins of Nebraska.*
 Amber J. Boll*, University of North Dakota Geography; Michael Niedzielski, University of North Dakota; Douglas Munski, University of North Dakota, *Remembering Forgotten Landscape by Commemorating the Red River Ox Cart Trails.*
 Amanda Vallis*, *Contact Zones of the Winnebago: Tracing Cultural Exchange from Wisconsin to Nebraska, 1634-1874.*
 Daniel S Lucero, Cadet*, United States Military Academy (West Point), *United States Geopolitical Competition and Neo-Containment of China.*
 Martha E. Geores, Associate Professor*, University of Maryland; Martha E Geores, Associate Professor, University of Maryland College Park, *Ethnically Rural.*
 Allen Finchum*, Oklahoma State University, *The World's Fair: How Have They Grown and Changed Over Time.*
 Erik Prout*, Texas A&M University; Maryam Karimi, University of Colorado, Denver, *Spatiality of Art: cities and artists taking the turn together.*
 Jess Porter*, University of Arkansas at Little Rock; John Kirk,

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- University of Arkansas at Little Rock; James Ross, University of Arkansas at Little Rock, *Central City Neighborhood Transition in the American South: Little Rock Case Study*.
- Patrick May*, Plymouth State University, *Selling a Sense of Place at the Ballpark: Marketing Neolocalism in Minor League Baseball Communities*.
- Stephanie Willis*, University of Kansas, *Scents of Place: A "Scratch-and-Sniff" Map of the United States According to Kansans*.
- Thomas Wikle*, Oklahoma State; Jonathan C Comer*, Oklahoma State University, *Community Broadcasting in an Era of Satellite Television: Nielsen's Designated Market Areas and the Principle of Localism*.
- Tyler Bleeker*, Calvin College; Joseph M Arevalo*, Calvin College; Linden E Brinks*, Calvin College; James Karsten*, Calvin College; Steven C Musch*, Calvin College; Ann Parkin*, Calvin College, *Enhancing the First-Year Geography Student Experience: The Importance of Research Mentors in Inquiry-Based Learning*.
- William Tucker*, *The Diffusion of Buddhism in the United States*.
- Craig S Revels*, Central Washington University, *The Spanish Administrative Town in Central America: Observations from Honduras*.
- Dean Lambert, Ph.D.*, San Antonio College, *The Feminization of Organized Crime in Mexico*.
- Crystal Wen Xi Fam*, Clark University, *Singapore as an Imagined Community: Cultivating Nationalism and Identity through the Internet*.
- Gladys Valentin*, University of Puerto Rico, Rio Piedras Campus, *Geographic Distribution of Homicides in Puerto Rico in 2011*.
- Andrea E Galvis*, Dalia M Castro, *Indigenous Petroglyphs and their Possible Relationship with their Physical Surrounding*.
- Natalia Garzón Cubillos*, Universidad de los Andes, *"Fleeing the Chasm": The Case of "Nueva Esperanza" and Your Neighborhood Threat by the Landslide*.
- Daniel Sumner*, Virginia Tech; Maria Elisa Christie, PhD, Virginia Tech; Manuel Reyes, PhD, North Carolina A&T, *The Gendered Nature of Tillage in Conservation Agriculture in Cambodia*.
- Denis Carloto*, Universidade Federal do Tocantins, *The characteristics of Brazilian federalism*.
- Meghan Kelly*, University of Wisconsin - Eau Claire, *Divided Government: A Spatial Analysis of ACU and ADA Indexes for the US House of Representatives and Senate, 1981-2011*.
- Jordan Brasher*, Middle Tennessee State University; Hari Garbharran, Ph.D, Humans in Crisis International, *Nepal Library Project through Humans in Crisis*.
- Katherine J. Heslop, MS Geography*, University of Nevada, Reno, *Making the Desert Blossom: The Salt River Valley on Canvas*.
- Minhee Son*, USC; Carmen Gonzalez, USC; George Villanueva, USC; Sandra Ball-Rokeach, PhD, USC; Sheila Murphy, PhD, USC, *Health Communication Asset Mapping: A Tool for Practitioners and Researchers*.
- Nan Zhao, MPH*, Annenberg School for Communication & Journalism, University of Southern California; Carmen Gonzalez, MA, Annenberg School for Communication & Journalism, University of Southern California; Sheila T Murphy, PhD, Annenberg School for Communication & Journalism, University of Southern California; Sandra J Ball-Rokeach, PhD, Annenberg School for Communication & Journalism, University of Southern California; Paula Amezola, MPH, Annenberg School for Communication & Journalism and Institute for Health Promotion & Disease Prevention Research, University of Southern California, *Mapping community health: Using GIS to identify neighborhood-level factors that predict Latina residents' health*.
- Jonathan Rodriguez*, UNT, *Texas HIV/AIDS Prevalence in the 25-49 Age Group*.
- Caroline Barakat*, University of Toronto Scarborough; R Martino, University of Toronto; P van Leishout, University of Toronto; H Candundo, University of Toronto; S Shin, University of Toronto; D Krewski, University of Ottawa; J Gomez, University of Ottawa, *A Systematic Review of Risk Factors Related to Parkinson's Disease*.
- George Juszynski*, Western Washington University, Huxley College of the Environment, *Analysis of Cognitive Maps: Clients' Perceptions of the Health Care Service Delivery Space in Whatcom County*.
- Qiuyin Qi*, Department of Geography, University of Florida, Gainesville, Florida, USA; Carlos A Guerra, Spatial Ecology and Epidemiology Group, Tinbergen Building, Department of Zoology, University of Oxford, South Parks Road, Oxford, UK.; Catherine L Moyes, Spatial Ecology and Epidemiology Group, Tinbergen Building, Department of Zoology, University of Oxford, South Parks Road, Oxford, UK; Iqbal R F Elyazar, Eijkman-Oxford Clinical Research Unit, Jalan Diponegoro No. 69, Jakarta 10430, Indonesia; Peter W Gething, Spatial Ecology and Epidemiology Group, Tinbergen Building, Department of Zoology, University of Oxford, South Parks Road, Oxford, UK; Simon I Hay, Spatial Ecology and Epidemiology Group, Tinbergen Building, Department of Zoology, University of Oxford, South Parks Road, Oxford, UK; Andrew J Tatem, Department of Geography and Emerging Pathogens Institute, University of Florida, Gainesville, Florida, USA; Fogarty International Center, National Institutes of Health, Bethesda, MD 20892, USA, *The Effects of Urbanization on Global Plasmodium vivax Malaria Transmission*.
- Robert M Leddy*, U.S. Bureau Of the Census; Clara R Burgert, ICF International; Blake Zachary, ICF International; Thea Roy, Blue Raster; Nathan J Heard, U.S. Department of State, Humanitarian Information Unit; Andrew D Inglis, John Snow, Inc., *Integrating Subnational Demographic and HIV Data: Decision Support Through Maps*.
- Marjorie McConnell, PhD*, University of New Mexico, *Trypanosoma cruzi incidence and human population movement in New Mexico: Who is at risk*.
- Sarah M Gallalee*, University of Vermont, *Analyzing Access to Treatment for Prescription Drug Abuse Utilizing a Geographic Perspective in Rural Vermont*.
- Ying Wang*, Department of Geography, University of Florida; Peter R Waylen, Department of Geography, University of Florida; Liang Mao, Department of Geography, University of Florida, *Spatio-Temporal Modeling of Weekly ILI Peak Events with Crossing Theory*.
- Karin Tobin*, Johns Hopkins Bloomberg School of Public Health; Christina Sun, MPH, Johns Hopkins Bloomberg School of Public Health; Carl A Latkin, PhD, Johns Hopkins Bloomberg School of Public Health; Frank Curriero, PhD, Johns Hopkins Bloomberg School of Public Health, *Comparing socio-spatial characteristics and spatial variation of places African American men who have sex with men socialize and meet sex partners in Baltimore City*.
- Christopher Storm*, Oklahoma State University.

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3623. **Advances and Challenges in Digital Elevation Models V (Illustrated Paper) (Sponsored by Coastal and Marine Specialty Group, Spatial Analysis and Modeling Specialty Group, Geomorphology Specialty Group)**

Room: *San Jose, Westin, Level 2* (Illustrated Paper Session)

ORGANIZER(S): Jeffrey J. Danielson, United States Geological Survey; Barry Eakins, University of Colorado

CHAIR(S): John Brock, USGS

- 4:40** Daniel Howard*, Stinger Ghaffarian Technologies, Inc., Contractor to U.S. Geological Survey (USGS), Earth Resources Observation and Science (EROS) Center, Sioux Falls, SD; Jeffrey Danielson, U.S. Geological Survey (USGS), Earth Resources Observation and Science (EROS) Center, Sioux Falls, SD; John Brock, U.S. Geological Survey (USGS), Reston VA; Dean Gesch, U.S. Geological Survey (USGS), Earth Resources Observation and Science (EROS) Center, Sioux Falls, SD; Jamie Bonisteel-Cormier, U.S. Geological Survey (USGS), St. Petersburg, FL; Laurinda Travers, Jacobs Technology, Contractor to U.S. Geological Survey (USGS), St. Petersburg, FL, *Topobathymetric Model of Mobile Bay, Alabama*.
- 4:48** Kristina Yamamoto*, United States Geological Survey; Samantha Arundel, United States Geological Survey; Kimberley Mantey, United States Geological Survey; Jeremiah Vinyard-Houx, United States Geological Survey, *Evaluating Positional Accuracy in the National Hydrography Dataset for Alaska*.
- 4:56** Shrinidhi Ambinakudige*, Mississippi State University; Kabindra Joshi, Mississippi State University, *Remote Sensing of Cryosphere: Estimation of Mass Balance Change in Fedchenko Glacier, Tajikistan*.
- 5:04** Cindy Thatcher*, USGS Eastern Geographic Science Center; Jeffrey J. Danielson, USGS EROS; Samsung Lim, University of New South Wales, Sydney, NSW, Australia; Monica Palaseanu-Lovejoy, USGS Eastern Geographic Science Center; John C. Brock, USGS Coastal & Marine Geology Program; Dustin Kimbrow, USGS Alabama Water Science Center, *The Integration of Airborne and Terrestrial Lidar to Map Key Landscape Features*.
- 5:12** Matthew Ryan Love*, University of Colorado, Boulder; Barry Eakins, University of Colorado, Boulder; Emily Allen, University of Colorado, Boulder, *Building lidar-based DEMs of the U.S. coasts of the Great Lakes*.
- 5:20** David J Bailey*, CSU, Fresno, *Quantifying the John Muir Trail in the Southern Sierra Using GIS*.
- 5:28** Brittany N Casey*, US Geological Survey; Peter George Chirico, US Geological Survey, *Accuracy Assessment and Evaluation of Spatial-autocorrelation Error in DEMs Derived from ALOS PRISM Stereo-Imagery*.
- 5:36** Nancy O'Hare*, Center for Geospatial Research, Dept of Geography, University of Georgia; Thomas R. Jordan, PhD, Center for Geospatial Research, Dept of Geography, University of Georgia, *LiDAR to detect and characterize small, seasonal ponds in forested areas*.
- 5:44** Bryan Jared Gunter*, University of Mississippi - Mississippi Mineral Resources Institute; Allison Inmann Woolsey, University of Mississippi-Mississippi Mineral Resources Institute; Greg Easson, University of Mississippi-Mississippi Mineral Resources Institute; Hal Robinson, University of Mississippi-Mississippi Mineral Resources Institute, *Dynamic Digital Elevation Model for the northern Gulf Coast*.

3624. **Researching the Creative Economy: Emerging Questions and Approaches**

Room: *Avalon, Westin, Level 3* (Panel Session)

ORGANIZER(S): Brian Hraes, Uppsala University

CHAIR(S): Brian Hraes, Uppsala University

Panelists: Kevin Stolarick, University of Toronto; Melanie Fasche; Jenny Sjöholm; Oli Mould; Jeffrey Boggs, Brock University; Brian Hraes, Uppsala University; Elizabeth Mack, Arizona State University; Pacey Foster, University of Massachusetts Boston; Karenjit Clare, University of Oxford

3625. **Tools and Tales of Social and Spatial Network Analysis**

Room: *Emerald Bay, Westin, Level 3* (Paper Session)

ORGANIZER(S): Monica Stephens, Humboldt State University; Josef Eckert, University of Washington

CHAIR(S): Monica Stephens, Humboldt State University

- 4:40** Petr Kucera*, Charles University in Prague, Czechia, *Spatial networks of events: Mapping relations between Facebook events by participants*.
- 5:00** Ate Poorthuis*, University of Kentucky, *The Everyday Use of Public Space in New York City: A Fruitful Blending of Geospatial and Social Network Analysis of 'Big' Data?*.
- 5:20** Andre Mondoux, Ph.D.*, Quebec University in Montreal; Marc Ménard, Ph.D., Quebec University in Montreal; Maude Bonenfant, Ph.D., Quebec University in Montreal; Maxime Ouellette, Ph.D., Quebec University in Montreal, *Geolocalization applications in the social media: A politico-economic analysis of the construction of space*.
- 5:40** Josef Eckert*, University of Washington, Dept. of Geography; Jeff Hemsley, University of Washington, Information School, *Geographies of the Occupied Geoweb, Relational and Otherwise*.
- 6:00** Monica Stephens*, Humboldt State University; Ate Poorthuis, University of Kentucky, *Follow Thy Neighbor: Connecting the Social and Spatial Networks on Twitter*.

3626. **Geography Towards Revolution: For Neil Smith IV: Critical Engagements (Sponsored by Socialist and Critical Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)**

Room: *Hollywood Ballroom, Westin, Level 3* (Panel Session)

ORGANIZER(S): Brent McCusker, West Virginia University; Don Mitchell, Syracuse University

CHAIR(S): Don Mitchell, Syracuse University

Introducer: Brent McCusker

Discussant(s): Phil O'Keefe, Northumbria University

Panelists: Scott Prudham, University of Toronto; Margaret FitzSimmons, University of California; Richard Peet, Clark University

3627. **Spatio-Temporal Patterns of Infectious Diseases and Outbreaks (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)**

Room: *Santa Monica A, Westin, Level 3* (Paper Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): Ling Bian, SUNY- Buffalo

- 4:40** Warren C. Jochem*, University of Colorado at Boulder; Elisabeth Dowling Root, University of Colorado at Boulder, *Spatial Clustering of Acute Lower Respiratory Infection Mortality Using a Regression-adjusted Spatial Scan Statistic*.
- 5:00** Liang Mao*, University of Florida; Yang Yang, University of Florida; Yan Yang, SUNY Buffalo, *Annual economic impacts of seasonal influenza on US counties: Spatial heterogeneity and patterns*.
- 5:20** Elisabeth Dowling Root*, University of Colorado at Boulder; Hanna Nohynek, PhD, National Public Health Institute, Helsinki, Finland; Marilla Lucero, PhD, Research Institute for Tropical Medicine, Metro Manila, Philippines; Antti Tanskanen, PhD, National Public Health Institute, Helsinki, Finland; Leilani Nillos, MS, Research Institute for Tropical

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Medicine, Metro Manila, Philippines; Veronica Tallo, PhD, Research Institute for Tropical Medicine, Metro Manila, Philippines; Eric A.F. Simoes, MD, Colorado School of Public Health, *The Effect of Distance on the Efficacy of an 11-Valent Pneumococcal Conjugate Vaccine in the Philippines.*

- 5:40** Xi Cheng, University at Buffalo; Ling Bian*, University at Buffalo, *Cluster Analysis of Pandemic (H1N1) 2009 and Influenza-Like Illness in Lanzhou, China.*

3628. New Approaches to Neighborhoods and Health III: Mobility, Boundaries, and Scale (Sponsored by Health and Medical Geography Specialty Group, Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica B, Westin, Level 3 (Paper Session)

ORGANIZER(S): Jerry Shannon, University of Minnesota; Kelsey McDonald, Univ. of Minnesota

CHAIR(S): Jerry Shannon, University of Minnesota

- 4:40** Samuel Blanchard*, UC Berkeley; Maggi Kelly, UC Berkeley; Barbara Laraia, UC Berkeley; Andrew Karter, Kaiser Permanente; Howard Moffet, Kaiser Permanente; Margaret Warton, Kaiser Permanente, *Residential Mobility and Changes in Neighborhood Characteristics Among Adults with Diabetes Over 15 years.*

- 5:00** Michael Topmiller, ABD*, University of Cincinnati; Kevin Raleigh, PhD, University of Cincinnati; Jenni Miller-Francis, Center for Great Neighborhoods; Farrah Jacquez, PhD, University of Cincinnati, *A Qualitative GIS Approach to Exploring the Equity in Access to Physical Activity Resources.*

- 5:20** Nate J Engler, BES, MES*, Carleton University, *The potential for VGI to Operationalize the MAUP.*

- 5:40** Bo Malmberg*, Stockholms Universitet; John Östh, Uppsala University; Eva K Andersson, Stockholm University, *Contextual Effects on Ill-Health and Recovery: Results Using Scalable Neighborhoods.*

- 6:00** Marta Jankowska, MS, San Diego State University; Justin Stoler, PhD, MPH*, University of Miami; Caetlin Ofesh, MA, The George Washington University; David Rain, PhD, The George Washington University; John R. Weeks, PhD, San Diego State University, *A mixed methods approach to interpreting neighborhood health effects in Accra, Ghana.*

3629. Examining the Emerging Asian City: Concomitant Urbanities & Urbanisms

Room: Santa Monica C, Westin, Level 3 (Panel Session)

ORGANIZER(S): Jeffrey Hou, University of Washington

CHAIR(S): Aseem Inam, The New School

Introducer: Vinayak Bharne

Panelists: Vinayak Bharne, University of Southern California; Robert Cowherd, Wentworth Institute of Technology; Jeffrey Hou, University of Washington; Aseem Inam, The New School; Gavin Shatkin, Northeastern University

3630. Rural Geography 3: Session Honoring Lisa M.B. Harrington - 2013 Recipient of the John Fraser Hart Award for Research Excellence (Sponsored by Rural Geography Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Christopher Laingen, Eastern Illinois University; Ryan Bergstrom, Gustavus Adolphus College

CHAIR(S): Ryan Bergstrom, Gustavus Adolphus College

- 4:40** Ryan D. Bergstrom, Ph.D.*, Gustavus Adolphus College, *Thinking Like a Harrington: The Embedded Nature of Sustainability in the Last Best Place.*

- 5:00** Bill Wetherholt*, Kansas State University; László J. Kulcsár, Kansas State University, *Trending towards oblivion: Endangered towns and their demographic*

landscape on the Great Plains.

- 5:20** Guy M Robinson, Prof.*, University of South Australia, *Bushfires and Biodiversity: Enlisting The Public in Controlling Risk.*

- 5:40** Katie Algeo*, Western Kentucky University, *Tribute to Lisa Butler Harrington.*

- 6:00** Lisa Butler Harrington*, Kansas State University, *Toward Sustainability Studies and Sustainability Theory: Key Concepts.*

3634. Animal Geographies: Disease and Public Health

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Elisabeth Stoddard, Clark GSG

- 4:40** Peng Jia*, Louisiana State University, *The Spatio-temporal Distribution and Ecological Niche Modeling of Brucellosis in Inner Mongolia of China.*

- 5:00** Elisabeth A. Stoddard, M.S.*, Clark GSG, *Too Big To Fail: Foreign Animal Disease and North Carolina's Hog Industry.*

3635. Doing Geography: Integrating (geo)spatial thinking and geospatial technologies into introductory Geography courses (Sponsored by Geography Education Specialty Group, Community College Affinity Group)

Room: Laguna Parlor 3028, Westin, 30th Floor (Panel Session)

ORGANIZER(S): Sarah Goggin; Kerry Lyste, Everett

Community College

CHAIR(S): Sarah Goggin

Discussant(s): Kerry Lyste, Everett Community College

Panelists: Jerry Mitchell, University of South Carolina; John A. Menary, California State University Dominguez Hills; Eric M. M Bladh

3636. Hybrid places: dynamics and representations of Eastern and Western European Cities. 3 (Sponsored by Global Urbanization)

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Petros Petsimeris, University Paris 1 - Sorbonne; Caroline Boulouc

CHAIR(S): Carles Carreras, University of Barcelona

- 4:40** Petros Petsimeris, Professor*, University Paris 1 - Sorbonne; Dolores Sanchez Aguilera, Professor, University of Barcelona; Scalzotto Lucrezia, Dott, IRES, Turin, *Hybrid Cities: the impact of Eastern European migration on the social structure of Western European metropoli..*

- 5:00** Aurore Meyfroidt, PhD student*, ENS de Lyon, UMR 5600 BioGéophile, *From twin cities to a cross-border real estate market: Vienna and Bratislava.*

- 5:20** Chevalier Dominique, MCF*, LYON1-IUFM, *Remembering the Shoah through space within major cities. An Was-West comparison of Museums and Memorials dedicated to the Holocaust. Examples of Paris, New-York, Washington, Los Angeles, San Francisco, Miami, Budapest, Berlin and Warsaw..*

- 5:40** Lila Leontidou, Professor*, Hellenic Open University, *Hybrid landscapes of urban sprawl and residential tourism and atypical employment in Europe.*

Discussant(s): Szymon Marcinczak, University of Lodz

3637. Hydroclimatology 3 (Sponsored by China Specialty Group, Cryosphere Specialty Group, Water Resources Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Christopher Labosier, Texas A&M University; Trenton Ford, Texas A&M University

CHAIR(S): Laiyin Zhu, Department of Geography, Texas A&M University

- 4:40** Karen Russ, PhD student*, University of Wisconsin - Madison; Larissa Back, PhD, University of Wisconsin-

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Madison; Zhengyu Liu, PhD, University of Wisconsin-Madison; Kuniaki Inoue, MS student, University of Wisconsin-Madison; Jiaxu Zhang, PhD student, University of Wisconsin-Madison; Bette Otto-Bliesner, PhD, National Center for Atmospheric Research, *The Hydrological Cycle Response to Rapid versus Slow Global Warming*.

5:00 Manuel Hernandez*, Texas A&M University, SOARS, *The Change of the North American Monsoon Seasonal Precipitation in the CCSM 4 under IPCC CO2 Emission Scenarios*.

5:20 Alok Kumar Sahoo*, Princeton University; Justin Sheffield, Princeton University; Ming Pan, Princeton University; Eric F Wood, Princeton University, *Global assessment of Temperature extremes from Reanalysis Products*.

3638. Cities and Urban Regions in Latin America II (Sponsored by Latin America Specialty Group, Qualitative Research Specialty Group, Global Urbanization, Development Geographies Specialty Group)

Room: *Laguna Parlor 3064, Westin, 30th Floor (Paper Session)*
 ORGANIZER(S): Betty Smith, Eastern Illinois University; Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul
 CHAIR(S): Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul
 Introducer: Joel Outtes

4:50 Johanna C Jokinen, MSc*, Uppsala University; John Östh, PhD, Uppsala University, *Rural roots in the urban landscape - the urban spatial organization of rural-to-urban migrants in Bolivia*.

5:10 Joel Outtes*, UFRGS-univ fed rio gde do sul, *Crime and the City: The Case of Gangu dos Mixaria, Lomba do Pinheiro, Porto Alegre-RS, Brazil*.

5:30 Raul Pacheco-Vega*, Centro de Investigacion y Docencia Economica (CIDE, AC), *Geographies of wastewater: A comparative analysis of urban sanitation governance in the Mexican municipalities of Aguascalientes (Aguascalientes) and Leon (Guanajuato)*.

5:50 Steven J. Rainey, Ph.D.*, McNeese State University, *Impacts of Dam Construction on Small Scale Resource Use Systems within Brazil's Western Amazon*.

3639. Geospatial and Geotechnical applications in Archaeology (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Landscape Specialty Group)

Room: *Laguna Parlor 3068, Westin, 30th Floor (Paper Session)*
 ORGANIZER(S): Mandy Munro-Stasiuk, Kent State University; Amanda Mullett, Kent State University
 CHAIR(S): Mandy Munro-Stasiuk, Kent State University

4:40 Amanda Mullett*, Kent State University, *Modeling Land Use Changes for Archaeological Groups in the Great Lakes Region with Geographic Information Systems*.

5:00 Jesse Casana*, University of Arkansas - Fayetteville, *The CORONA Atlas Project: Orthorectification of Declassified Satellite Imagery and Regional-Scale Archaeological Prospection in the Middle East*.

5:20 Molan Choi*, California State University Long Beach, *Evaluating Object Based Image Analysis for the Extraction of Archaeological Features on Easter Island using WorldView 2 and Unpiloted Aerial Vehicle Imagery*.

5:40 Jeffrey L Brewer, M.A.*, University of Cincinnati; David M. Hyde, Ph.D., Western State Colorado University, *Hinterland Hydrology: Mapping the Medicinal Trail Community, Northwestern Belize*.

6:00 Mandy Munro-Stasiuk*, Kent State University; T. Kam Manahan, Kent State University; Derek Salustro, Kent State University; Corrine Coakley, Kent State University, *Evaluating Ground Penetrating Radar Identification of Architectural and Archaeological Features in a Karst Environment: A Case Study from*

Xuenkal, Yucatan.

3640. A Discussion on the State of Black Geographies and Black Geographers (Sponsored by Study of the American South Specialty Group)

Room: *Malibu Parlor 3018, Westin, 30th Floor (Panel Session)*
 ORGANIZER(S): Aretina Hamilton, University of Kentucky; LaToya Eaves, Florida International University
 CHAIR(S): Aretina Hamilton, University of Kentucky
 Introducer: Aretina Hamilton

5:00 David Padgett, Tennessee State

Panelists: LaToya Eaves, Florida International University; Reginald Archer, University of California Santa Barbara; Marlon M Bailey, Indiana University, Bloomington; Rashad Shabazz, The University of Vermont

3641. Peripheralization and Marginalization - Product and Production of Spatial Disparities (2) - Actual Manifestations

Room: *Malibu Parlor 3038, Westin, 30th Floor (Paper Session)*
 ORGANIZER(S): Tassilo Herrschel, University of Westminister; Manfred Kühn, Leibniz-Institute for Regional Development and Structural Planning
 CHAIR(S): Joanie M Willett, University of Exeter
 Introducer: Manfred Kühn

4:43 Derek Brunelle, MES Candidate*, York University, *Labor-Community Advocacy and Employment Land Policy in Toronto and Los Angeles*.

4:58 Andreas Winkler*, University of Bamberg, *What Local Development? Conceptualization of the Transition Paths of three Serbian Small Towns*.

5:13 Lizhu Dai*, Hong Kong Baptist University; Sit Victor Fung-Shuen, professor, Hong Kong Baptist University, *Formation and delimitation of Extended Metropolitan Regions (EMRs) in China's Interior: A case study in the Changzhutan EMR*.

5:28 Shahadat Hossain*, TU Dortmund University; Kirsten Hackenbroch, TU Dortmund University, *Power over planning and the 'public': the state of strategic planning in Dhaka*.

5:43 Carolyn Thompson, PhD*, Medgar Evers College, *Title: State and Community Discourses of Urban Redevelopment?the RWA, 'social-mix' and community contestation*.

5:58 Ekaterina Filep*, University of Bern, *Negotiating political space - women's changing political participation in post-Soviet Tajikistan*.

Discussant(s): Joanie M Willett, University of Exeter

3642. Continuity and Change in the 21st Century Urban Landscape: Focus on Segregation and Urban Problems (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: *Malibu Parlor 3058, Westin, 30th Floor (Paper Session)*
 ORGANIZER(S): Madhuri Sharma, University of Tennessee, Knoxville; Michael D. Webb, The Ohio State University

CHAIR(S): Madhuri Sharma, University of Tennessee, Knoxville

4:40 William R Bredemeyer*, University of Colorado Boulder, Department of Geography, *Scale and residential segregation in metropolitan areas of the United States*.

5:00 Moira Conway*, CUNY Graduate Center, *Neighborhood Location and Community Impacts of Casinos in Philadelphia*.

5:20 Joe Darden*, Michigan State University, *Racial Inequality of Neighborhood Socioeconomic Characteristics in Metropolitan Detroit, 2000 to 2010*.

5:40 Trista Anne Detchev*, University of Calgary, *Lock Your Doors: Crime and Fear of Crime in Calgary Communities*.

6:00 Thomas Cooke*, University of Connecticut; Curtis

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Denton, University of Connecticut, *A New Look at the Suburbanization of Poverty using Geographically Weighted Regression.*

3643. Reclamation, Adjudication, and Restoration: Streams of Power (Sponsored by Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group)

Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Rebecca Lave, Indiana University Dept of Geography; Eric P. Perramond, Colorado College

CHAIR(S): K. Maria Lane, University of New Mexico

4:40 Eric P. Perramond*, Colorado College, *Experts, water governance, and science-knowledge in New Mexico.*

5:00 K. Maria Lane*, University of New Mexico, *Science, settlement, and the New Mexico Territory's irrigation-based development.*

5:20 David Torres-Rouff*, U.C. Merced, *"The Magic Touch of Improvement and Enterprise": Water Infrastructure, Civic Ideals, and Racial Formation in Los Angeles, 1858-1859.*

5:40 Javier A Arce-Nazario, Ph.D*, UPR Cayey, *Multiscale water standards for community empowerment.*

6:00 Rebecca Lave*, Indiana University Dept of Geography, *Stream mitigation and the interlinked commercialization of environmental science and management.*

3644. The Gendered Dimensions of Natural Disasters (Sponsored by Geographic Perspectives on Women Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Christine Eriksen, University of Wollongong

CHAIR(S): Christine Eriksen, University of Wollongong

4:40 Christine Eriksen, PhD*, University of Wollongong, *Australia, Gender and Wildfire at the Wildland-Urban Interface.*

5:00 Bethany Brown, Ph.D.*, Loyola University New Orleans; Pamela Jenkins, Ph.D., University of New Orleans, *How Organizational Level Glass Ceilings Impede Disaster Response.*

5:20 Sarah Bradshaw*, Middlesex University, *Reconstructing Patriarchies? The feminisation of response and responsibility post-disaster.*

5:40 Marcella Schmidt di Friedberg*, Università di Milano-Bicocca, *The perception of climate change: the gendered dimension in the Maldives.*

3645. Greener new residential development (Sponsored by Regional Development and Planning Specialty Group)

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Alina Congreve, University of Hertfordshire

CHAIR(S): Alina Congreve, University of Hertfordshire

4:40 Julia Affolderbach*, University of Luxembourg; Christian Schulz*, Université Du Luxembourg, *Sustainable governance and innovation processes in green building: Comparing city regions in Europe, Australia and Canada.*

5:00 Alina Congreve*, University of Hertfordshire, *Environmental performance in new residential development in Portland Oregon: a comparison with UK practice.*

5:20 Jun Tu*, Kennesaw State University, *Assessing the Impact of Urban Form on Residential CO2 Emission on a Neighborhood Scale in the Atlanta Metropolitan Area.*

5:40 Nathalie Ortart*, ENTPE; Félicie Drouilleau, PhD, LET/ENTPE, *Trying to be sustainable in an unsustainable context in France.*

Discussant(s): Rosie Day, University of Birmingham

3646. The Struggle for Immigrant Rights (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Octaviano Chavarin, Willamette University

4:40 Sutapa Chattopadhyay*, UNU-Merit & Maastricht University, *Should irregular immigrants have any right to access, right to live, right to city?.*

5:00 Krista Craven*, Vanderbilt University, *The contextual nature of immigration policy and the immigrant justice movement in the U.S. South.*

5:20 Lauren Hines*, Ohio State University, *Moving out of the shadows: resistance and representation in the struggle for migrant rights.*

5:40 Octaviano Chavarin*, Willamette University, *Homelands: Immigrants' Articulations of Belonging.*

3647. Spatial Analysis and Natural Resources

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Chao Fan, Arizona State University

4:40 Karen Kemp*, University of Southern California, *The Hawai'i Island Crop Probability Map.*

5:00 Jiao Wang*, University of Hawaii at Manoa; Tomoaki Miura, University of Hawaii at Manoa, *Remote Sensing of Evapotranspiration with Visible/Infrared Imager/Radiometer Suite (VIIRS).*

5:20 Kumudan Grubb*, Texas State University-San Marcos, *Exploring spatial patterns of greenness in an urban landscape.*

5:40 Chao Fan*, Arizona State University; Soe Myint, Arizona State University, *Scaling effects on landscape fragmentation characterized by two approaches: Spatial autocorrelation and landscape metrics.*

6:00 Wei Ji*, University of Missouri - Kansas City, *Remote Sensing-based Multi-Scale Analysis of Urban Wetland Change.*

3650. The Automobile and Its Consequences (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)

Room: Angeleno, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Ali Modarres, California State University, Los Angeles

4:40 John Brennan*, Department of Public and International Affairs, *The Nature of Automobility in Metropolitan Cleveland during the Great Depression.*

5:00 FEI LI*, New York University; Zhan Fuo, PhD, New York University, *Maximum Parking Standards and the Spatial Pattern of Parking in London, UK.*

5:20 Yuting Hou*, University of Southern California, *Does road congestion drive business away?-Intrametropolitan firms' relocation decisions.*

5:40 Luis R Ortiz Sanchez*, University of Puerto Rico, *Impact of the Automobile in the Puerto Rican Economy.*

6:00 Ali Modarres*, California State University, Los Angeles, *The Geography of Energy Consumption in Los Angeles: Toward an Equitable Urban Transportation Policy.*

3651. An unlikely success story? Olympic cities and the London 2012 experience (III): Negotiating futures? Governance for legacies

Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Joachim Thiel, HafenCity University of Hamburg; Mike Raco, University College London

CHAIR(S): Mike Raco, University College London

4:40 Juliet P Davis, Dr*, Welsh School of Architecture, *The Fabric of the Games: the role of governance in creating sustainable physical legacies.*

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- 5:00** Francesca Weber-Newth*, University of Aberdeen; Ilse Helbrecht*, Humboldt University Berlin; Sebastian Schlüter*, Humboldt University Berlin, *London 2012: just another mega-event or a model for progressive regeneration?*.
- 5:20** John D Horne, Professor*, University of Central Lancashire, *"What was that all about?" Critical reflections on London 2012, the media and the mega-event..*
- 5:40** Igor Pilipenko*, *The Sochi 2014 Winter Olympics: cost-benefit analysis of the project and ways for improving its efficiency.*
- Discussant(s): Mark Davidson, Clark University
- 3652. Reflection and Celebration of Professor David Mark's Contributions to Geography and GIScience (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)**
- Room:* Grand Ballroom Salon 1, The LA Hotel, Level 2 (Panel Session)
- ORGANIZER(S): May Yuan, Univ of Oklahoma
- CHAIR(S): Michael Gould, Esri
- Discussant(s): Michael Goodchild, University of California - Santa Barbara
- Panelists: LaDona Knigge, California State University, Chico; Sara Irina Fabrikant, University of Zurich; Joseph Holler, SUNY at Buffalo; Hui Lin, The Chinese University of Hong Kong; A-Xing Zhu, Univ of Wisconsin; Michael Woldenberg, State University of New York at Buffalo
- 3653. Qualitative Research in the Digital Age (Sponsored by Geographic Information Science and Systems Specialty Group, Qualitative Research Specialty Group, Urban Geography Specialty Group)**
- Room:* Grand Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): Meghan Cope, University of Vermont; Dydia DeLyser, Louisiana State University
- CHAIR(S): Matthew W. Wilson, University of Kentucky
- 4:40** Graeme W Mearns*, Newcastle University; Randal W Richardson, Newcastle University, *Social Media and 'Relational' Experiences of Place Among Young People in North-East England.*
- 5:00** Brian H. Y. Lee, Ph.D.*, University of Vermont; Meghan Cope, Ph.D.*, University of Vermont, *Teens, Technology, and Transportation.*
- 5:20** Jin-Kyu Jung*, University of Washington Bothell, *Code clouds as a form of qualitative geovisualization.*
- 5:40** Angel David Nieves, Ph.D.*, Hamilton College, *Spatial History Under Apartheid: Models for Collaboration With Undergraduate Researchers in the Digital Humanities.*
- Discussant(s): Matthew W. Wilson, University of Kentucky
- 3654. Cultural Geography of Marine Resource Management - Session 3 (Sponsored by Cultural and Political Ecology Specialty Group, Coastal and Marine Specialty Group)**
- Room:* Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): Arielle Levine, San Diego State University; Laurie Richmond, Humboldt State University
- CHAIR(S): Arielle Levine, San Diego State University
- Introducer: Arielle Levine
- 4:45** Tara Sayuri Whitty*, Center for Marine Biodiversity and Conservation, Scripps Inst. of Oceanography, *Local-Level Governance of Small-Scale Fisheries: Variations on a Theme Across Four Sites in Southeast Asia.*
- 5:05** Jaime Speed Rossiter*, San Diego State University; Arielle Levine, PhD, San Diego State University, *Hawaii's Fisheries Management Areas: A unique context for MPA success.*
- 5:25** Amy Freitag*, Duke University, *Seed Grants and Stakeholder Engagement: A Decade Retrospective of NC's Fishery Resource Grant Water Quality Projects.*
- 5:45** Noëlle Boucquey, Ph.D.*, Rutgers University, *Actors and Audiences: performing fisheries management in North Carolina.*
- Discussant(s): Annette Watson, College of Charleston
- 3655. 2013 IJURR Lecture: The secret discourse between sustainability and slum urbanism (Sponsored by Global Urbanization)**
- Room:* Grand Ballroom Salon 4, The LA Hotel, Level 2 (Panel Session)
- ORGANIZER(S): Julie-Anne Boudreau, INRS-Montreal
- CHAIR(S): Julie-Anne Boudreau, INRS-Montreal
- Introducer: Julie-Anne Boudreau, INRS-Montreal
- Panelists: Edgar Pieterse, African Centre for Cities, University of Cape Town
- 3656. Mixed Methods and Hybrid Epistemologies in Climate Change Research IV (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Climate Change, Variability, Adaptation and Justice)**
- Room:* Highland, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): Jeff Popke, East Carolina University; Douglas Gamble, University of North Carolina - Wilmington
- CHAIR(S): Jeff Popke, East Carolina University
- 4:40** Emily T Yeh*, University of Colorado, *Epistemological Quandaries in Explaining Climate Change in Tibet.*
- 5:00** Douglas Gamble*, University of North Carolina - Wilmington; Jeff Popke, East Carolina University; Scott Curtis, East Carolina University, *The Challenges of Significance and Reconciliation in Mixed Methodology Research on Climate Change.*
- 5:20** Beth Bee, PhD*, *Feminist epistemology and the politics of adaptation: Exploring gender and adaptive capacities in central Mexico.*
- 5:40** Edward R Carr*, University of South Carolina, *(Which) climate services for (whose) development: Assessing Meteo Mali's Agrometeorological Program.*
- Discussant(s): Jeff Popke, East Carolina University
- 3657. Mobility and Place, By Way of Encounter, Practice and Politics (Sponsored by Cultural Geography Specialty Group)**
- Room:* Hollywood, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): Jillian Rickly-Boyd, Indiana University
- CHAIR(S): Jillian Rickly-Boyd, Indiana University
- 4:40** Katherine B Hankins*, Georgia State University; Mechelle Puckett, Georgia State University; Deirdre Oakley, Georgia State University; Erin Ruel, Georgia State University, *The politics of (im)mobility and the relocation of public-housing residents in Atlanta.*
- 5:00** Rex Rowley*, University of Wisconsin-Platteville, *Coming and Going in Las Vegas: Transience, Rootedness, and Sense of Place.*
- 5:20** Rebecca Sheehan, PhD*, Oklahoma State University, *Making Home "Under the Big Top": Moving a Small Town Everyday and Wintering in Place.*
- Discussant(s): Jillian Rickly-Boyd, Indiana University
- 3658. A Golden Age of Gas? Understanding the Geographical Political Economy of Natural Gas, 2 (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group, Climate Change, Variability, Adaptation and Justice)**
- Room:* Melrose, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): Gavin Bridge, University of Manchester; Stefan Bouzarovski, University of Manchester
- CHAIR(S): Joseph L Dutton, University of Leicester
- 4:40** Adrian Duhalt*, University of Sussex, *Shale gas in Mexico: key implications to reflect on.*
- 5:00** Bret Gustafson*, Washington University, *Emerging Geopolitics of Gas in Bolivia and Brazil.*

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5:20 Carlo E. Sica, masters candidate in geography*, Syracuse University, *Scales over Shale: Producing Pennsylvania in Another Geography of Energy*.

5:40 Matthew Fry*, University of North Texas, *Cities and Shale Gas: The Role of Distance Ordinances in Managing Urban Drilling*.

3659. Reworking Urban Nature: Tensions and Synergies in the Greening of Cities II (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Olvera, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Andrew Karvonen, University of Manchester; Stephanie Pincetl, University of California

CHAIR(S): Andrew Karvonen, University of Manchester

4:40 John Rennie Short*, University of Maryland Baltimore County, *City, nature and power: the derecho and infrastructure collapse*.

5:00 Janice Astbury*, University of Manchester, *People-nature collaboration in urban SESs: seeing the system through landscape and managing with emergence*.

5:20 Sophie Schramm*, TU Darmstadt, *Towards the ideal city - ideas and models in colonial wastewater planning and their adaptation to Hanoi*.

5:40 Jon Christensen*, University of California, Los Angeles (UCLA), *City Nature: A Comparative Approach*.

Discussant(s): Stephanie Pincetl, University of California

3660. Genres of Global Urbanisms: An Analysis of Methods (Sponsored by Political Geography Specialty Group, Global Urbanization, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Olympic, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Ananya Roy, University of California, Berkeley; Jennifer Robinson, University College London

CHAIR(S): Helga Leitner, University of California, Los Angeles (UCLA)

4:40 Tim Bunnell, Associate Professor*, National University of Singapore; Daniel Goh, National University of Singapore; Eric C Thompson, National University of Singapore, *Collaborative, comparative ethnography: post-LA School methodological experimentation*.

5:00 Jan Nijman*, University of Amsterdam; Richard Grant, U of Miami, *The space-economy of slums: A comparative study of Dharavi and Soweto*.

5:20 Kris Olds*, University of Wisconsin-Madison, *Emerging Spaces of Knowledge Production in Globalizing Cities: Towards a Case Study-Based Comparative Approach*.

5:40 James D Sidaway*, National University of Singapore; Robina Mohammad, University of Strathclyde, *Shards and splinters: power and space viewed from Doha, Qatar*.

6:00 Kevin Ward*, University of Manchester; Eugene McCann, Simon Fraser University, *For genre-busting? Reflections on studying global-urban policy*.

3661. Geographies of Media III: Sound, Rhythm, & Music (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): John Finn, Christopher Newport University; Joseph Palis, North Carolina State University

CHAIR(S): John Finn, Christopher Newport University

4:40 Nikita A. Kharlamov, M.A.*, Clark University, *Pavane in a consumptionscape: Performing the incompatible with the Wanamaker Organ*.

5:00 Severin Guillard*, Université Paris Est, *Expressing urban identities in French and American Rap music : from local to global issues*.

5:20 Mary Kinyanjui*, Nairobi University-IDS, *Seeing the*

Economy and Society through Gikuyu Popular Culture Music.

5:40 Linda Boukhris*, Université Paris I-Sorbonne / UC Berkeley, *Music imaginary, tourism and territorial identity: the Costa Rican Calypso*.

3662. Hazards, Risks, and Disasters Specialty Group Session: Perspectives on Management and Governance (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Ronald R Hagelman III, Texas State University

CHAIR(S): Charles Kelly, The Cuny Center

4:40 Troy Sternberg*, Oxford University, *Human-hazard interaction in the Gobi Desert, Asia*.

5:00 Yi PENG, PhD Candidate*, Dept. of Building and Real Estate, The Hong Kong Polytechnic University; Qiping SHEN, Chair Professor, Head, Dept. of Building and Real Estate, The Hong Kong Polytechnic University; Chen LU, PhD Candidate, Dept. of Building and Real Estate, The Hong Kong Polytechnic University; Hao WANG, PhD Candidate, Dept. of Building and Real Estate, The Hong Kong Polytechnic University, *The logic behind successful implementation of residential land exchange in disaster-affected rural areas in China*.

5:20 Hsueh-Cheng Chou*, Department of geography, National Taiwan Normal University, *Disaster Management and Cloud Computing in Taiwan*.

5:40 Iratxe Calvo-Mendieta, PhD*, Université du Littoral-Côte d'Opale; Irénée Zwarterook, Université du Littoral-Côte d'Opale, *Technological risks and governance : weaknesses and artifices of a compulsory participation process*.

6:00 Charles Kelly*, The Cuny Center, *Limited Data, Limited Funds: A Practical Approach to Sub-National Climate Risk Assessment (Central Asia Case Study)*.

3663. Will Power II: creative ontologies for changing difference

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): John-David Dewsbury, University of Bristol;

David Bissell, The Australian National University

CHAIR(S): David Bissell, The Australian National University

Introducer: David Bissell

5:00 John-David Dewsbury*, University of Bristol, *The Affective Pathos of the Will: Deleuze's Nietzschean materialization of politics*.

5:20 David Bissell*, The Australian National University, *Accidental Will: Urban Mobilities and the Micropolitics of Commuting*.

5:40 Anna McLauchlan*, University of Strathclyde, *Dissolution of the Will*.

Discussant(s): Susan Ruddick, University of Toronto

3664. Geographies of Garbage: the State of the Art on Discard Studies. (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

Room: Pico, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Michele Acuto, Oxford Programme for the Future of Cities, University of Oxford

CHAIR(S): Michele Acuto, Oxford Programme for the Future of Cities, University of Oxford

Introducer: Michele Acuto

Panelists: Max Liboiron, New York University; Sarah A Moore, University of Wisconsin - Madison; Gay Hawkins, Centre for Critical and Cultural Studies; Simin Davoudi, Newcastle University; Rosalind Fredericks, New York University; Mike Crang, Durham University

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3670. Rethink Geography: Development of New Themes

Room: *Athenian, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Luca Muscarà, Università Del Molise

4:40 Luca Muscarà*, Università del Molise, *How Gottmann's political geography could dialogue with critical geopolitics.*

5:00 DU Shanshan*, Beijing Union University; ZHANG Jingqiu, Beijing Union University; Cai Jianming, igsrr, *Identifying Typologies of Recreational Agro-parks in Metropolitan Region with Typical Cases in Beijing.*

3672. Technoscience, nature, and the state in the postcolony (Sponsored by Cultural and Political Ecology Specialty Group)

Room: *Cordoban, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Claude Peloquin, University of Arizona; Majed Akhter, University of Arizona

CHAIR(S): Claude Peloquin, University of Arizona

4:40 Majed Akhter*, University of Arizona, *Constructing and contesting the Pakistani nation: the Indus Basin Project, 1960-1974.*

5:00 Harry Fischer, PhD Candidate*, University of Illinois Urbana Champaign, *Local irrigation management and the modern developmental state: Decentralization and development in Himachal Pradesh, India.*

5:20 Kavita S Philip, PhD*, History, UC Irvine, *India's Urban Futures: Beyond the Scripts of Techno-utopia and Rural Backwardness.*

5:40 Laura Johnson*, Michigan State University, *"Where nothing was before": The re-making of place, state and citizen in the case of Ghana's Akosombo Dam.*

6:00 Claude Peloquin*, University of Arizona, *Governing swarms, developing government: African Desert Locust control and the state-building imperative in international development.*

3673. Queer(ing) Geographies V: Panel discussion (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: *Corinthian, Biltmore, Mezzanine Level* (Panel Session)

ORGANIZER(S): Sean Wang, Syracuse University; Emily Mitchell-Eaton, Syracuse University

CHAIR(S): Sean Wang, Syracuse University

Introducer: Emily Mitchell-Eaton

Introducer: Sean Wang

Panelists: Kath Browne, University of Brighton; Miranda Joseph, University of Arizona; Heidi J. Nast, DePaul University; Julie Podmore, John Abbott College; Tracey Skelton, National University of Singapore

3674. Elections Identity and Upheavals

Room: *Corsican, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Richard N Dodge, Cochise College

4:40 Merrill Baker-Médard*, University of California Berkeley, *Crisis Conservation: Marine Resource Management During Madagascar's Recent Political Upheaval.*

5:00 Khalid H Abaalzamat*, Qatar University, *Citizen's participation in the Municipal election: The Case of Qatar.*

5:20 Daniel McGowin*, independent scholar, *Finding a Place in This World: Surrogation, National Identity, and Taiwanese Presidential Elections.*

5:40 Nayoung Jo*, Department of Geographical Science; University of Maryland, College Park; Mila Mila Zlatić, Department of Geographical Science; University of Maryland, College Park, *Whom would the world elect? Comparative analysis of the U.S. election 2008 and 2012.*

6:00 Richard N Dodge*, Desert Rose Baha'i Institute, *UN Security Council Expansion: Time for a Radical Approach?.*

3675. Remote Sensing: Biogeography

Room: *Florentine, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Abeer Hamdan

4:40 Kusuma Prabhakara*, University of Maryland, College Park; W. Dean Hively, PhD, United States Geological Survey - Eastern Geographic Science Center, *Use of proximal reflectance sensors to measure growth curves of winter cover crops.*

5:00 Nathan S Gill*, Brigham Young University, *Africanization of the Beehive State: Modeling Africanized Honeybee Habitat in Utah.*

5:20 Frederick S. Pianalto, MS*, University of Arizona, *Remote Sensing and GIS Habitat Model for Rodent Abundance in Southeastern Arizona.*

5:40 Abeer Hamdan*, *Riparian Vegetation Changes in Dryland Wash Systems due to Human Disturbances.*

3676. Urban Space, Culture, and Development

Room: *Grecian, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Benjamin Smith, Florida International University

4:40 Georgiana Varna, University of Turku; Panu Lehtovuori*, Tampere University of Technology, *The Death and Life of the Public Space Paradigm.*

5:00 Panu Lehtovuori, Tampere University of Technology; Sampo Ruoppila*, University of Turku, *Temporary uses as means of experimental urban planning.*

5:20 Mervi Ilmonen*, Aalto University, *Urban Culture and Local Economy.*

5:40 Lars Winther*, University of Copenhagen, *Human Capital as a Default: Unfolding Human Capital in Economic Geography.*

6:00 Benjamin Smith*, Florida International University, *Building Niches: Entrepreneurs' Imagination of Urban Cultural Economic Space.*

3677. Land Systems Science Symposium: Human Dimensions of Land Systems II (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: *Heinsbergen, Biltmore, Lobby Level* (Paper Session)

ORGANIZER(S): Richard Aspinall

CHAIR(S): Erle Ellis, University of Maryland - Baltimore County

4:40 Tom Evans*, Indiana University; Kelly Caylor, Princeton University; Paul McCord, Indiana University; Michael Cox, Dartmouth College; Camille Washington-Ottobre, Oberlin College; Keir Soderburg, Princeton University, *Water governance and community-level resilience to climate change in Rural Kenya.*

5:00 Derek B. Van Berkel*, Ohio State University, *A comparison of methods to define agent typologies in land-change research.*

5:20 Takuya Iwamura*, Stanford University; Eric Lambin, Stanford University; José Fragoso, Stanford University, *Empirical Agent-based Modelling for agricultural shift in hunter-gatherer societies in Rupunini, Guyana.*

5:40 Jennifer Koch*, Oregon State University, *An agent-based modeling approach to simulate coupled human-natural systems in fire-prone landscapes of Central Oregon.*

THURSDAY, APRIL 11**4:40 PM - 6:20 PM • 3600****3678. Sustainable Cities: Pollution, Energy, and Ecology**

Room: *Mediterranean, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Enru Wang, University of North Dakota

4:40 Li-jun Zhang, Key Laboratory of Geospatial Technology for Middle and Lower Yellow River Regions, College of Environment and Planning, Henan University, Kaifeng, Henan, 475004, P. R. China; Yao-Chen Qin*, Key Laboratory of Geospatial Technology for Middle and Lower Yellow River Regions, College of Environment & Planning, Henan University, *Framework and Indicator System of Urban Carbon-based-energy Metabolism*.

5:00 Bruna Jesus*, State of São Paulo University; magda lombardo, State of Sao Paulo University, *Land Use and Urban Heat Island in Sao Paulo citie- Brazil*.

5:20 Jesse Williamson*, UC Berkeley, *The Political Ecology of Expanding Urban Agriculture*.

5:40 Sen LI*, Faculty of Environmental Engineering, The University of Kitakyushu; Lu LI, Faculty of Environmental Engineering, The University of Kitakyushu; Seiichi Ishikawa, Faculty of Environmental Engineering, The University of Kitakyushu; Tomohiko Higuchi, Fujico Co.,Ltd.; Hisato Haraga, Fujico Co.,Ltd.; Hideaki Nagayoshi, Fujico Co.,Ltd., *Pesticides pollution of groundwater in China and development of purification method*.

6:00 Enru Wang*, University of North Dakota; Qian Li, Beijing Normal University; Jinping Song, Beijing Normal University, *Economic Growth and Air Pollutant Emissions in China*.

3679. Travels: Imagined, Real, and Back Again (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: *Moroccan, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel Trumbull, University of Connecticut

CHAIR(S): Nathaniel Trumbull, University of Connecticut

4:40 Holly Barcus*, Macalester College, *Place Identity and Immobility Choices among Ethnic Minorities: Transitioning Landscapes in a Transnational Community*.

5:00 Dennis Zuev*, CIES-ISCTE, IUL, *Self-transformation through Work and Travel in USA: civilizing and decivilizing effects of a summer abroad*.

5:20 Anu Masso*, Institute of Journalism and Communication, University of Tartu, *The transition from intercultural to transcultural communication: the emigration wishes of Estonian youth*.

5:40 Medea Badashvili*, Tbilisi State University, *Understanding Muslim Identities in Christian Georgia: Non-Muslim Perceptions of Muslim*.

7:00 PM - 8:00 PM**Black Geographies Specialty Group Organizational Meeting**

Thursday, April 11, 7:00 p.m. - 8:00 p.m.

Room: *Santa Monica C, Westin, Level 3*

6:30 PM - 7:30 PM • 3700**3722. AAG PAST PRESIDENT'S ADDRESS****Dialectica Interrupta: The Idea of 'Race' in the Discipline of Geography**

Thursday, April 11, 6:30 p.m. - 7:30 p.m.

Room: *Sacramento, Westin, Level 2*

Opening remarks: **Douglas Richardson**, AAG Executive Director

Introduction: **Eric Sheppard**, AAG President, University of California, Los Angeles

Speaker: **Audrey Kobayashi**, AAG Past President, Queen's University

AAG Presidential Achievement Awardee: **Bobby Wilson**, University of Alabama

Audrey Kobayashi's past president's address will focus on race and explore Ellsworth Huntington's 1924 speculation on environmental determinism, as well as Harold Rose's 1969 "Geographies of Despair."

Kobayashi will begin by making a case for the study of the history of the geography as a basis for understanding the social project that is our discipline, including the content and perspectives of geographical knowledge, and the potential for change that is geography's future. The concept of race has been one of the most significant drivers of the geographical imagination, starting with Immanuel Kant in the 1750s. Environmentalism, now largely discredited but a major perspective during the first half of the 20th century, arose in part from geography's deeply racialized and colonial past.

Kobayashi will trace the concept of race through American geography, focusing on articles published in the *Annals of the AAG*, and particularly on the presidential addresses customarily published in the first issue of the journal each year following the term of office of an AAG president. Ellsworth Huntington's "Geography and Natural Selection: A Preliminary Study of the Origin and Development of Racial Character," is widely viewed as the most extreme statement of racial science; and Harold Rose's "The Geography of Despair," is viewed as the first overtly anti-racist statement made from the presidential podium. Both reflect currents of thought and controversy that guided the discipline at specific times, and both are part of the larger social and intellectual context. The fact that these two men, and all of the AAG Presidents before and since, made a choice of both topic and ideological perspective is an important part of our disciplinary legacy.

Just as significant are the intellectual silences and the axiomatic taken-for-granted that mark the slow transformation of the race idea over the course of the 20th century. Defined as a force of nature, an independent variable, a derivative of class, a cultural figment, or, more recently, a social construction, the idea has both exemplified and shaped much of the ideological framework of our discipline, sometimes explicitly but more often implicitly. The politics of racial geography nonetheless reflect a larger intellectual context in which the discipline has emerged. And what of the future of geography? Has attention to the race concept over the past two decades resulted in forging new directions that will help to change, or at least to understand, the variable circumstances of human life, or will it be cast aside as new ideas enter our intellectual, and ideological horizons? Perhaps some speculation on such questions is in order.

The AAG Past President will also confer the *AAG Presidential Achievement Award* upon **Bobby Wilson** of the University of Alabama, for his career-long dedication to anti-racist scholarship in geography, as well as for his mentorship to many students and for the example he has set for colleagues throughout his career.

THURSDAY, APRIL 11

7:30 PM - 8:30 PM • 3800

- 3805. Retired Geographers Affinity Group Business Meeting**
Room: *Los Cerritos, Westin, Lobby Level*
- 3806. Landscape Specialty Group Business Meeting**
Room: *Los Feliz, Westin, Lobby Level*
- 3807. Development Geographies Specialty Group Business Meeting**
Room: *Palos Verdes, Westin, Lobby Level*
- 3808. Communication Geography Specialty Group Business Meeting**
Room: *San Bernardino, Westin, Lobby Level*
- 3809. Military Geography Specialty Group Business Meeting**
Room: *San Fernando, Westin, Lobby Level*
- 3810. Mountain Geography Specialty Group Business Meeting**
Room: *San Gabriel A, Westin, Lobby Level*
- 3812. Cartography Specialty Group Business Meeting**
Room: *San Gabriel C, Westin, Lobby Level*
- 3815. History of Geography Specialty Group Business Meeting**
Room: *Santa Anita B, Westin, Lobby Level*
- 3816. Geographic Information Science and Systems Specialty Group Business Meeting**
Room: *Santa Anita C, Westin, Lobby Level*
- 3817. Paleoenvironmental Change Specialty Group Business Meeting**
Room: *Santa Barbara A, Westin, Lobby Level*
- 3827. Cryosphere Specialty Group Business Meeting**
Room: *Santa Monica A, Westin, Level 3*
- 3830. Geography of Religions and Belief Systems Specialty Group Business Meeting**
Room: *Santa Monica D, Westin, Level 3*
- 3850. Sexuality and Space Specialty Group Business Meeting**
Room: *Angeleno, The LA Hotel, Level 2*
- 3851. Geographies of Food and Agriculture Specialty Group Business Meeting**
Room: *Bunker Hill, The LA Hotel, Level 2*
- 3854. Graduate Student Affinity Group Business Meeting**
Room: *Grand Ballroom Salon 3, The LA Hotel, Level 2*

8:30 PM - 9:30 PM • 3900

- 3905. Community College Affinity Group Business Meeting**
Room: *Los Cerritos, Westin, Lobby Level*
- 3906. Indigenous Peoples Specialty Group Business Meeting**
Room: *Los Feliz, Westin, Lobby Level*
- 3907. Energy and Environment Specialty Group Business Meeting**
Room: *Palos Verdes, Westin, Lobby Level*
- 3908. Cyberinfrastructure Specialty Group Business Meeting**
Room: *San Bernardino, Westin, Lobby Level*
- 3909. Middle East Specialty Group Business Meeting**
Room: *San Fernando, Westin, Lobby Level*
- 3910. Russian, Central Eurasian, and East European Specialty Group Business Meeting**
Room: *San Gabriel A, Westin, Lobby Level*
- 3912. Africa Specialty Group Business Meeting**
Room: *San Gabriel C, Westin, Lobby Level*
- 3915. Historical Geography Specialty Group Business Meeting**
Room: *Santa Anita B, Westin, Lobby Level*
- 3916. Urban Geography Specialty Group Business Meeting**
Room: *Santa Anita C, Westin, Lobby Level*
- 3927. Animal Geography Specialty Group Business Meeting**
Room: *Santa Monica A, Westin, Level 3*
- 3950. Polar Geography Specialty Group Business Meeting**
Room: *Angeleno, The LA Hotel, Level 2*
- 3954. Political Geography Specialty Group Business Meeting**
Room: *Grand Ballroom Salon 3, The LA Hotel, Level 2*

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

For special events, please see the Special Events & Meetings Summary on p. 42-44.

FRIDAY, APRIL 12 • 8:00 AM - 9:40 AM • 4100

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

- 4102. CyberGIS Symposium: GIS&T BoK - Making Space for Knowledge (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: Beaudry B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Sean Ahearn, Hunter College - City University

CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign

8:00 Sean Ahearn*, Hunter College - City University, *Big Knowledge and the next GIS & T BoK*.

8:20 Marilyn Stowell*, San Diego State University; André Skupin, Dr., San Diego State University; Fangming Du, San Diego State University, *BoKVis: Interactive Visualization of the Geographic Information Science and Technology Body of Knowledge 1*.

8:40 André Skupin*, San Diego State University, *Towards a Knowledge Reference System for the GIS&T Domain*.

9:00 Brandon Plewe*, Brigham Young University, *A collaborative revision system for the GIS&T Body of Knowledge*.

Discussant(s): David DiBiase, ESRI

- 4103. Critical Participatory Action Research and Feminist Geography (Sponsored by Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group)**

Room: La Brea, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Marina Islas, University of Texas at Austin; Caitlin Cahill, City University of New York

CHAIR(S): Naya Jones, University of Texas at Austin

Panelists: Einat Manoff, CUNY Graduate Center; Hillary Caldwell; Amy E. Ritterbusch, Universidad de los Andes; Elizabeth G Kennedy, San Diego State University and UC-Santa Barbara; Denise Dixon Goerisch, San Diego State University; Martina Angela Caretta, Stockholm University; Yvonne Riano, Department of Geography, University of Bern, Switzerland; Rebecca Dolhinow, California State University Fullerton

- 4104. Antecedent and Aftermath of Genocide: Tales of Human Calamity and Survival**

Room: La Cienega, Westin, Lobby Level (Paper Session)

ORGANIZER(S): William Solecki, Hunter College; David Simon, Royal Holloway, University of London

CHAIR(S): David Simon, Royal Holloway, University of London

8:00 William Solecki*, Hunter College, *Socio-Ecological Systems, Critical Transitions, and Precursors to the Holocaust*.

8:20 David Simon, Prof*, Royal Holloway, University of London, *'Healing the world': From the Holocaust to Development*.

Discussant(s): Arthur Green, Okanagan College; Claudio Minca, Wageningen University

- 4105. J. Warren Nystrom Award Competition I**

Room: Los Cerritos, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Katherine Klink, University of Minnesota

CHAIR(S): Katherine Klink, University of Minnesota

8:00 Christopher Uejio*, Florida State University; Jonathan A. Patz, Nelson Institute Center for Sustainability and the Global Environment, *Drinking Water Systems, Hydrology, and Childhood Gastrointestinal Illness*.

8:20 Stanley Mubako*, University of Texas at El Paso; Christopher Lant, Southern Illinois University Carbondale, *Agricultural Virtual Water Trade and Water Footprint of U.S. States*.

8:40 Peter D Howe, Ph.D.*, Yale University; Ezra M Markowitz,

Ph.D., Princeton University; Tien Ming Lee, Ph.D., Columbia University; Chia-Ying Ko, Ph.D., Yale University; Anthony Leiserowitz, Ph.D., Yale University, *Global Perceptions of Local Temperature Change*.

9:00 Elizabeth Louis, Ph.D.*, Texas A&M University, Postdoctoral Researcher, *"We plant only cotton to maximize our earnings": The paradox of food sovereignty in rural Telengana, India*.

9:20 Jennifer Y Pomeroy, Dr.*, University of Maryland, *Analyzing Municipal Annexations: Case Studies in Frederick and Caroline Counties of Maryland, 1990-2010*.

- 4106. Visibility (and Viz-Ability) of Census Bureau Online Data Visualizations**

Room: Los Feliz, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Dierdre Bevington-Attardi, U.S. Bureau Of the Census

CHAIR(S): Marc J. Perry, U.S. Bureau Of the Census

Introducer: Marc J. Perry

Panelists: Justyna Goworowska, U.S. Census Bureau; Geoffrey William Hatchard, U.S. Census Bureau; Dierdre Bevington-Attardi, U.S. Bureau Of the Census; Ryan Kemna, U.S. Bureau Of the Census; Matthew Graham, U.S. Bureau Of the Census

- 4107. Institutional Spaces of Pain, Suffering, and Trauma (Part I) (Sponsored by Qualitative Research Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)**

Room: Palos Verdes, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Lieba Faier, University of California, Los Angeles (UCLA); Alison Mountz, Wilfrid Laurier University

CHAIR(S): Jenna Loyd, Syracuse University

8:00 Alison Mountz*, Wilfrid Laurier University, *Island detention centers as landscapes of emotion: mapping the uncontainable*.

8:20 Lieba Faier*, University of California, Los Angeles (UCLA), *Traumatic Attachments: Relations of Suffering in Efforts to Fight Human Trafficking to Japan*.

8:40 Mary Thomas*, Ohio State University, *How do girls suffer in juvenile detention? What their stories of sexual activity in prison tell us*.

9:00 Deborah Thien*, California State University, Long Beach, *Trauma, Militarized*.

9:20 Geraldine J. Pratt*, University of British Columbia, *Circulating Suffering: Part Two*.

- 4108. The Politics of Climate Change in India and South Asia (Sponsored by Asian Geography Specialty Group, Climate Change, Variability, Adaptation and Justice)**

Room: San Bernardino, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Sya Kedzior, Towson University

CHAIR(S): Barbara Haya, University of California at Berkeley

8:00 Barbara Haya*, University of California at Berkeley, *Theoretically Efficient but Practically Unregulatable: the Kyoto Protocol's Carbon Offsets Program at Work in the Indian Wind Power Sector*.

8:20 Hans Nicolai Adam, PhD Student*, Norwegian University of Life Sciences, *India's MGNREGA (Mahatma Gandhi National Rural Employment Guarantee Act) and Climate Change - A Conceptual Exploration*.

8:40 Pooja Pant*, Asian and International Studies, City University of Hong Kong, *Dynamics in Local People's Perception on Climate Change in Lowland of Nepal*.

9:00 Brianna L Besch*, Macalester College, *Addressing the Issue of Scale: Linking Local, National and International Efforts to Address Vulnerability to Climate Change in Bangladesh*.

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9:20 Sunil KC*, Dept of Geography and Resource Management, The Chinese University of Hong Kong, *The Political Ecology of REDD plus and Restructuring Forest Governance in Nepal*.

4109. Crowdsourcing Crisis in the GeoWeb: A Critical Look (Sponsored by Geographic Information Science and Systems Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: *San Fernando, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Barbara Poore, United States Geological Survey; Sophia B. Liu, United States Geological Survey
CHAIR(S): Sophia B. Liu, United States Geological Survey
8:00 Katrina Petersen*, UCSD, *What do you mean by disaster? How diverse notions of time and space interact in emerging disaster mapping practices*.
8:20 Andres Monroy-Hernandez, Microsoft Research; Megan Finn*, Microsoft Research, *Privacy in the Context of Crisis Information*.
8:40 Sophia B. Liu, Ph.D.*, United States Geological Survey, *Formalizing Geospatial Crowdsourcing in the Crisis Mapping Community*.
9:00 Cameran Ashraf*, University of California, Los Angeles (UCLA), *Intentional and unintentional crowdsourced geographic information: the case of the geoweb in authoritarian regimes*.
Discussant(s): Barbara Poore, United States Geological Survey

4110. Spatiotemporal Thinking, Computing and Applications (STCA) Session 6: Cloud Computing (Sponsored by Cyberinfrastructure Specialty Group)

Room: *San Gabriel A, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Qunying Huang, George Mason University; Zhipeng Gui, CISC, George Mason University
CHAIR(S): Qunying Huang, George Mason University
8:00 Zhipeng Gui*, CISC, George Mason University; Jizhe Xia, CISC, George Mason University; Nanyin Zhou, CISC, George Mason University; Chaowei Yang, CISC, George Mason University, *Building a cloud platform adoption advisory tool for application providers*.
8:20 Tiffany Vance*, NOAA/San Francisco State University; Kyle Wilcox, Applied Science Associates; Alex Crosby, Applied Science Associates; C. J. Beegle-Krause, *Cloud-based Implementation of Particle Tracking for Marine Organisms*.
8:40 Ick Hoi Kim*, National University of Singapore, *Comparing Grid Computing and Cloud Computing Based on the Performance of a Parallel Web GIS Simulation Model*.
9:00 Rajasekar Karthik*, Oak Ridge National Laboratory, *PASS-CS: A Promising Advance in Personalized, Spatialized, and Scalable Content Search*.

4111. Economic Geography IX - Economic Shocks, Regional Resilience, Institutions and Policy Strategies (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)

Room: *San Gabriel B, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Dieter F. Kogler, University College Dublin; Helen Lawton Smith, Birkbeck University of London
CHAIR(S): David Rigby, University of California, Los Angeles (UCLA)
8:00 Anet Weterings*, PBL Netherlands Environmental Assessment Agency; Dario Diodato, PBL Netherlands Environmental Assessment Agency / Utrecht University, *The resilience of Dutch regions to economic shocks*.
8:20 Laurie Behar*, Urban and Regional Research Centre Utrecht; Ron Boschma, Urban and Regional Research Centre Utrecht, *Regional economic resilience: why*

institutions matters? The emergence of the solar cluster in Eindhoven.

8:40 Lars Coenen*, Lund University, Sweden; Hanna Westendorf, Lund University, Sweden, *Institutional context and cluster emergence: the case of biomass based industry in Southern Sweden*.

9:00 Jennifer Clark*, Georgia Institute of Technology, *Working Regions: Regeneration by Design*.

Discussant(s): Andres Rodriguez-Pose, London School of Economics

4112. Non-Emergent Asias: Left behind by uneven development I: Rural Livelihoods & Development (Sponsored by Asian Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: *San Gabriel C, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Matt Branch, Pennsylvania State University; Melissa Y. Rock, Pennsylvania State University
CHAIR(S): Matt Branch, Pennsylvania State University
8:00 Xiaofeng Kang*, University of Hawaii at Manoa, *Political Ecology of Rubber Plantations among Akha people in Xishuangbanna, China*.
8:20 Pronoy Rai*, Ohio University, *Challenges to Development: Beyond Sen's Entitlements Framework*.
8:40 Michelle Olsgard Stewart, Doctoral Candidate, Geography*, University of Colorado Boulder, *Left behind but not without agency: Producing and governing caterpillar fungus in uneven Yunnan*.
9:00 Matt Branch*, Pennsylvania State University, *Bucolic Imaginaries: Urban rural divide in the land of happiness*.
Discussant(s): Emily T Yeh, University of Colorado

4115. Challenges of Working with American Community Survey Data (Sponsored by Population Specialty Group)

Room: *Santa Anita B, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Lee Hachadoorian, Dartmouth College
CHAIR(S): Matthew Zimolzak, U.S. Bureau Of the Census
8:00 David Kraiker, Geographer*, Census Bureau - New York Regional Office, *The Life Cycle of a Piece of Census Data: ACS Question 16 (Health Insurance)*.
8:20 David Wong*, George Mason University; Min Sun, George Mason University, *Mapping ACS Data using ArcGIS with Reliability Information - An Update on Development*.
8:40 Lee Hachadoorian*, Dartmouth College, *Using PostGIS for the Management of Large Census Datasets*.
9:00 Nancy K. Torrieri*, U.S. Census Bureau, *Update on the ACS: Program Improvement Initiatives to Benefit Data Users*.
9:20 Matthew Zimolzak*, U.S. Bureau Of the Census, *American Community Survey Program Updates*.

4116. Re-evaluating the Anthropocene, Resituating "Anthropos" I: Politics of the Anthropocene I (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Socialist and Critical Geography Specialty Group)

Room: *Santa Anita C, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Harlan Morehouse; Elizabeth R. Johnson, University of Wisconsin - Madison
CHAIR(S): Harlan Morehouse
8:00 Luke Bergmann*, University of Washington, *Beyond the Anthropocene: toward modest mathematical narratives for more-than-human global communities*.
8:20 James Proctor*, Lewis and Clark College, *Counting Beyond Two in the Anthropocene*.
8:40 Jennifer Bernstein, M.A., M.Sc.*, University of Hawai'i at Manoa, *A New "New Environmental Paradigm"? Emerging Environmental Attitudes in the*

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Anthropocene.

Discussant(s): Simon Dalby, Carleton University

4117. Developing graduate attributes within and beyond the classroom (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)

Room: Santa Barbara A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Jennifer Hill, University of the West of England; Helen Walkington, Oxford Brookes University

CHAIR(S): Jennifer Hill, University of the West of England

8:00 Jennifer L. Hill*, University of the West of England; Helen Walkington, Oxford Brookes University, *Graduate attributes in HE geography: context, nature, supporting pedagogies.*

8:20 Helen Walkington*, Oxford Brookes University; Jennifer Hill, University of the West of England, *Graduate attributes in the co-curriculum: mapping the impact of undergraduate research dissemination.*

8:40 Ian C Fuller, PhD*, Massey University; Derek France, PhD, Chester University, *Does digital technology enhance student learning in field-based experiments and develop graduate attributes beyond the classroom?*

9:00 Derek France, PhD*, University of Chester; Katharine Welsh, PhD, University of Chester; Brian Whalley, PhD, University of Sheffield; Victoria Powell, PhD, University of Chester, *Using Mobile Technologies in Fieldwork to Develop Graduate Attributes.*

9:20 Catherine White*, University of Northumbria, *'Bringing Education to Geography'.*

4118. Genres of Global Urbanisms: Reconceptualizing the Urban (Sponsored by Political Geography Specialty Group, Global Urbanization, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Santa Barbara B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Ananya Roy, University of California, Berkeley; Jennifer Robinson, University College London

CHAIR(S): Eric S. Sheppard, University of Minnesota - Minneapolis

8:00 Neil Brenner*, Harvard University, Graduate School of Design, *Towards a theory of extended urbanization.*

8:20 Teresa Caldeira*, University of California, Berkeley, *Slum/Favela?: Situating the territories of the poor.*

8:40 Colin McFarlane*, Durham University, *Global urbanism as urban malevolence: sanitation inequality and resistance.*

9:00 Vinay Gidwani*, University of Minnesota, *Law and Need Economies in Urban India.*

9:20 Linda Peake, Professor*, York University, Toronto, Canada, *Rethinking Feminist Interventions into the Urban.**

4119. New Geographies of Urban China IV (Sponsored by Symposium on New Geographies of Urban China)

Room: Santa Barbara C, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Donggen Wang, Hong Kong Baptist University

CHAIR(S): Yanwei Chai, Peking University

8:00 Limei Li*, East China Normal University, *How marketized is urban housing reform in China? Findings from the 2010 and 2000 census.*

8:20 Tianbao Liu*, Peking University; Yanwei Chai, Peking University, *Danwei space and its transition in urban China in the context of modernity: an example of Beijing No.2 Textile Factory.*

8:40 Jianhui Yu, PH.D.*, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Wenzhong Zhang, PH.D., Professor, Institute

of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Guanpeng Dong, PH.D. Candidate, University of Bristol, School of Geographical Sciences, *Neighborhood heterogeneity in the attributes prices of residential land in Beijing.*

9:00 Lauren Hansen*, *Harmonious Development among the 'New City' High-Rises: Assessing Middle-Class Suburbanization as a Peace-building Effort in Urumqi, Xinjiang.*

9:20 Xiaobai Angela Yao, Associate Professor*, University of Georgia, *Investigating the relationship between commuting pattern and urban form in Beijing.*

4120. The geographical anatomy of income inequality (Sponsored by Economic Geography Specialty Group)

Room: Sacramento, Westin, Level 2 (Paper Session)

ORGANIZER(S): Sebastien Breau, McGill University; Chuncui Velma Fan, University of California - Los Angeles

CHAIR(S): Sebastien Breau, McGill University

8:00 Mark Ellis*, University of Washington; Richard Wright, Dartmouth College; Matthew Townley, University of Washington, *New Destinations and Immigrant Poverty in the US.*

8:20 Chuncui Velma Fan*, University of California - Los Angeles, *Wage Inequality among Immigrant Workers: Spatial-temporal Patterns and Implication for Rising Overall Wage Inequality in the U.S. Metropolitan Areas.*

8:40 Dillon Mahmoudi*, Portland State University; Joseph Cortright, Impresa Consulting, *Metropolitan Patterns of Income Inequality: Off the Census Tract, on the Grid.*

9:00 Julie A Silva*, University of Maryland, College Park, *"Now that the animals have their independence": The impacts of human-wildlife conflict on inequality near African parks and protected areas..*

9:20 Sebastien Breau*, McGill University, *The Occupy movement and the top 1% in Canada.*

4121. GIS, Remote Sensing, Environmental Change, and Land Cover Change

Room: San Diego, Westin, Level 2 (Poster Session)

ORGANIZER(S): Program Committee

Ross Eversizer*, USGS; Jesslyn Brown, USGS, *Phenological Variability and Trends in the Northern Great Plains Ecoregion across Land Cover Types.*

Kyle P Smith*, James Madison University, *Characterizing Criminogenic Environments with Remote Sensing.*

Gavin Caupp*, Frostburg State University; Matthew E Ramspott, Ph.D., Frostburg State University, *Extent of Woolly Adelgid Impacts on Coniferous Stream Buffer Zones.*

Michelle A Coe*, University of Arizona; Miguel L. Villarreal, U.S. Geological Survey, *Using Phenology Metrics from Multitemporal Satellite Data to Identify Grassland Response to Wildfire and Drought.*

Hunter Winstanley*, The University of Alabama, *Remote Sensing-Based Assessment of Land Area and Healthy Vegetation Loss on West and East Ship Island, MS (1984-2011).*

Kyle L Anibas*, Kansas State University, *Land Cover/Land Use Classification in Eastern Europe.*

Shuzhan Fan*, *Design and Realization of a new vectorization method based on classified raster map.*

Mark D O'Connor, University of California, Santa Barbara; Felicia A Bill*, University of California, Santa Barbara, *Modeling Retreat of the Himalayan Gangotri Glacier.*

Barbara Horvatic*, Clark University, *Burn scar mapping in the Mexican Yucatán using multi-scale satellite data.*

Martha Ziemer*, Clark University; John Rogan, Ph.D., Clark University, Graduate School of Geography; Deborah

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- Martin, Ph.D., Clark University, Graduate School of Geography; Verna DeLauer, Ph.D., Clark University, The George Perkins Marsh Institute, *Characterizing the impact of tree canopy cover variation on land surface temperature: A case study of central Worcester County, MA using Landsat, ASTER, and MODIS data.*
- Jared J O'Brien*, Valparaiso University; Marcus Mues*, Valparaiso University; Matthew Lewitke*, Valparaiso University; Bharath Ganesh Babu, Assistant Professor of Geography, Valparaiso University, *Land Use/Land Cover Classification of the Indiana Dunes National Lakeshore Using Four Band Aerial Data.*
- Bruce W Pengra*, Information Dynamics, contractor to U.S. Geological Survey, Earth Resources Observation and Science (EROS) Center, Sioux Falls, SD, 57198; Chandra Giri, Dr., U.S. Geological Survey, Earth Resources Observation and Science (EROS) Center, Sioux Falls, SD, 57198, USA; Jordan Long, ARTS, contractor to U.S. Geological Survey, Earth Resources Observation and Science (EROS) Center, Sioux Falls, SD, 57198, USA; Keith Landgraf, U.S. Geological Survey, Earth Resources Observation and Science (EROS) Center, Sioux Falls, SD, 57198, USA; Stehman Steve, Dr., Department of Forest and Natural Resources Management, State University of New York, Syracuse, NY, USA, *Validation of Percent Tree Cover VCF data derived from temporally composited Landsat data for South America.*
- Thomas Albright*, University of Nevada, Reno; Andrew Vitale, University of Nevada, Reno; Jesslyn F Brown, USGS/Earth Resources Observation and Science (EROS); Gail Schmidt, Stinger Ghaffarian Technologies (SGT), *Heterogeneous land surface phenology from fusion of multi-sensor Earth observations.*
- Hsin-Lin Wei, National Taiwan University; Cho-Ying Huang*, National Taiwan University; Ming-Tzu Chiu, Tea Research and Extension Station; Ju-Hung Lin, Tea Research and Extension Station; Chao-ming Chang, National Taiwan University; Yu-wen Fu, National Taiwan University, *Spectroscopic Assessment of Oolong Tea Quality.*
- Hao Tang*, University of Maryland; Ralph Dubayah, University of Maryland, *Deriving LAI and vertical foliage profile from waveform lidar remote sensing.*
- Leah A. Wasser, Ph.D.*, National Ecological Observatory Network (NEON); Laura Chasmer, Ph.D., Wilfried Laurier University, *Development of an Automated Algorithm to Measure Forested Riparian Buffer Width Using Lidar Point Cloud and Raster Methods Compared to Landsat Methods.*
- Jacob Lesser*, Western Washington University, *Detecting landscape change using data mining techniques and decision tree algorithms.*
- Tracy H Allen, Ph.D.*, SUNY-Oneonta, *New Island and Electric Lake: A Landscape in Transition.*
- Rinku Roy Chowdhury, Assistant Professor, Indiana University; Nitasha Sharma*, Indiana University; Hamed Gholizadeh, Doctoral student, Indiana University; Faiz Rahman, Associate Professor, Indiana University, *Trajectories and proximate sources of land use/cover change in the vicinity of the Sundarbans mangroves, Bangladesh.*
- Arvind Aniel Rombawa Bhuta*, Clemson University; Douglas Marshall, Clemson University; Joan L. Walker, U.S. Forest Service Southern Research Station; Geoff G. Wang, Clemson University, *Identifying potentially unhealthy pine stands across a forest-matrix on military lands.*
- Andrew Hosteter*, Clark University Graduate School of Geography; John Rogan, Ph.D., Clark University Graduate School of Geography; Deborah Martin, Ph.D., Clark University Graduate School of Geography, *Characterizing Tree Canopy Loss in Central Massachusetts Using Multi-Source Remotely Sensed Imagery.*
- Kameelah N. Temple*, Shippensburg University; Joseph Zume, Ph.D., Shippensburg University, *Examining the effects of land-use/land cover change on the discharge response of the Susquehanna River within the Middle and Lower Susquehanna River Basins.*
- Ming-chih Hung*, Northwest Missouri State University; Yi-Hwa Wu, Northwest Missouri State University, *Land Cover Composition Changes Through Urban Landscape with Different Observation Units.*
- Gary R Watmough, Postdoctoral Research Fellow*, Earth Institute, Tropical Agriculture, Columbia University; Cheryl A Palm, Senior Research Scientist, Tropical Agriculture, Earth Institute, Columbia University; Clare Sullivan, Environment Coordinator, Tropical Agriculture, Earth Institute, Columbia University, *The coupling of population and environment: using satellite data to explore livelihood characteristics and poverty.*
- Peter J Testa*, Southern Connecticut State University Geography; Matthew J Kolosky, Southern Connecticut State University Geography, *Local Hops? A Site Suitability Analysis for Hop (*humulus lupulus*) Production in the State of Connecticut.*
- Jacquelyn Murdock*, University of California, Los Angeles (UCLA) California Center for Sustainable Communities, *Creating an Interactive Electricity Consumption Map for the City of Los Angeles: Improving Energy Planning in Our Region.*
- Adam J Riffle*, Keene State College Geography Club; Lauren Sutherland, Keene State College Geography Club; Patrick Brough, Keene State College Geography Club, *A River Connecting Communities: An Atlas of the Ashuelot River Watershed.*
- Caitlin Kontgis*, UW Madison, *Mapping urbanization and agricultural land loss in Vietnam using dense time stacks of Landsat imagery.*
- 4122. The Arts of Transformation: Shaping Subjects- Making Places**
Room: San Francisco, Westin, Level 2 (Paper Session)
ORGANIZER(S): Harriet Hawkins; Anja Haelg Bieri
CHAIR(S): Harriet Hawkins
8:00 Daniel G Cockayne*, University of Kentucky, *Crisis of the Invisible: A Hauntological Reading of Lamia Joreige's Objects of War.*
8:20 Susan A Digby, PhD*, Olympic College, *Land Art as Secular Pilgrimage.*
8:40 Anja Haelg Bieri*, Virginia Tech, *Irruption of the Real: Peripatetic Art and Research.*
9:00 Sally McCallum*, University of Arizona; Sallie Marston, University of Arizona, *Art-Science Education and Entrepreneurial Discourse: a Case Study at University of California, Los Angeles (UCLA)'s Summer High School Institute.*
- 4123. Coastal and Marine Geography (Sponsored by Coastal and Marine Specialty Group)**
Room: San Jose, Westin, Level 2 (Illustrated Paper Session)
ORGANIZER(S): Jennifer Rahn, Samford University
CHAIR(S): Jennifer Rahn, Samford University
8:00 Patrick Barrineau*, Texas A&M University; Chris Houser, Texas A&M University; Vatche Tchakerian, Texas A&M University, *Dynamics of the Oceano-Pismo Dunes, California.*
8:07 Lauren Brown*, University of California, Los Angeles (UCLA); Glen M MacDonald, PhD, University of California, Los Angeles (UCLA), *A Paleoenvironmental Study of California Coastal*

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Wetlands.

- 8:14** Veronica D Roach*, California State University, Fullerton; Jindong Wu, Ph.D, California State University, Fullerton, *Coastal Sage Scrub: A Diminishing Habitat in North Orange County, California.*
- 8:21** Michael Mordini*, Miami University; Jessica L McCarty, PhD, Michigan Tech Research Institute; Nancy French, PhD, Michigan Tech Research Institute; Laura Bourgeau-Chavez, Michigan Tech Research Institute; Brigitte Leblon, PhD, University of New Brunswick; Armand LaRocque, PhD, University of New Brunswick; Anthony J Landon, MS, Michigan Tech Research Institute, *Gulf of Maine Land Cover and Land Use Change Analysis Utilizing Synthetic Aperture Radar and Random Forest Classification.*
- 8:28** Katharine E. Currier*, University of California, Santa Barbara, *Mapping with Strings Attached.*
- 8:35** Kit Posadas*, Mississippi State University; Benedict C. Posadas, Ph.D, Mississippi State University, Coastal Research and Extension Center, *Spatial Distribution in Mississippi Seafood Licenses during the 2010 Gulf of Mexico Oil Spill.*
- 8:42** Mary Tubbs Beaudette*, University of Wisconsin Eau Claire; Joseph A Quintana, University of Wisconsin Eau Claire; Meghan A Kelly, University of Wisconsin Eau Claire; Arik L Arnevik, University of Wisconsin Eau Claire; Jackson J Becker, University of Wisconsin Eau Claire; David L Simenson, University of Wisconsin Eau Claire; Jessica T Stodola, University of Wisconsin Eau Claire; Tianran Yao, University of Wisconsin Eau Claire; Joseph E Reber, University of Wisconsin Eau Claire; Matthew T Drahnak, University of Wisconsin Eau Claire; Harry M Jol, PhD, University of Wisconsin Eau Claire; Martin P Goettl, University of Wisconsin Eau Claire; Mitchell Craig, Cal State-East Bay; Joann Chan, Cal State-East Bay, *Investigation of a Coastal Dune Complex: Fort Ord Dunes State Park, California..*
- 8:49** Meghan Mccollum*, *Dauphin Island, Alabama Dune Vegetation Survey.*
- 8:56** Jennifer Rahn*, Samford University, *Diver Depth-Gauge Profiling Beyond Wading Depths: A New Simple Method for Underwater Surveying.*
- 4124. Geography of Wine -- New World 1 (Sponsored by Wine Specialty Group)**
Room: Avalon, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Juana Ibáñez, University of New Orleans
 CHAIR(S): Aron Massey, Kent State University
8:00 Tony B Shaw*, Brock University, *Climate Change in Established and Emerging Wine Regions of Ontario, Canada.*
8:15 John Tiefenbacher*, Texas State University, *Converting Terroir-ism from "We" to "Me": Using Notions of Place to Control Quality and Competition in the Wine Industry.*
8:30 Kathryn Nora Barnard*, Portland State University; Scott F. Burns, PhD, Portland State University, *Soil Analysis of Pinot Noir Vineyards - The Terroir of the Willamette Valley, Oregon.*
8:45 Donna M Senese, PhD*, University British Columbia Okanagan, *In search of the heritage value of new world wine regions.*
9:00 Percy Dougherty*, Kutztown University of Pennsylvania, *Tannat finds a new home in Uruguay.*
9:15 Aron Massey*, West Liberty University, *Appalachian Appellation: A Geography of Appalachian Wine.*

- 4125. Cognition, Behavior, and Representation I (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)**
Room: Emerald Bay, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Sarah Battersby, University of South Carolina; Amy Griffin, University of New South Wales-ADFA
 CHAIR(S): Sarah Battersby, University of South Carolina
8:00 Johnathan Rush*, The Ohio State University; Ola Ahlqvist, The Ohio State University, *Evaluating the Design of Oral History GIS.*
8:20 Irma Kveladze*, University of Twente; Menno-Jan Kraak, University of Twente, *Evaluating cartographic design principles applied to space-time cube content.*
8:40 Min Sun*, George Mason University; David Wong, Prof., George Mason University; Barry Kronenfeld, Prof., Eastern Illinois University, *A comprehensive heuristic-probabilistic approach to determine map classes.*
9:00 Alexander Klippel*, The Pennsylvania State University; Jan Oliver Wallgrün, The Pennsylvania State University; Sen Xu, The Pennsylvania State University; Jinlong Yang, The Pennsylvania State University, *Crowdsourcing for Behavioral Spatial Science.*
9:20 Mary Windsor*, University of Wisconsin - La Crosse; Ian Muehlenhaus*, University of Wisconsin - La Crosse, *See What We Mean? Measuring the Effectiveness of Different Map Rhetorical Styles for Persuasive Geocommunication.*
- 4126. Geography Towards Revolution for Neil Smith Part V: Radical Geography Roundtable Discussion (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, History of Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)**
Room: Hollywood Ballroom, Westin, Level 3 (Interactive Short Paper Session)
 ORGANIZER(S): Keith Miyake, CUNY Graduate Center; Morgan Buck, CUNY Graduate Center
 CHAIR(S): Keith Miyake, CUNY Graduate Center
 Introducer: Elizabeth Sibilia
 Introducer: Keith Miyake
 Introducer: Francesca Manning
 Introducer: Ramachandraiah Chigurupati
 Introducer: Clark Akatiff
 Introducer: Morgan Buck
 Introducer: Lawrence D. Berg
 Introducer: Clayton Rosati
- 4127. Aging, Health and Access to Services (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)**
Room: Santa Monica A, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Geography, GIS, and Health
 CHAIR(S): Daniel Goldberg, Texas A&M University
8:00 Hejun Kang*, University of Idaho, *Time Use Patterns, Lifestyles and Self-Rated Health between Younger (18-64) and Older (65+) American Adults.*
8:20 Michael J Widener, PhD*, University of Cincinnati; Mary Northridge, PhD, New York University; Bibhas Chakraborty, PhD, Columbia University; Stephen Marshall, DDS, MPH, Columbia University; Ira Lamster, DDS, MMSc, Columbia University; Sara S Metcalf, University at Buffalo, *Detecting Spatial Patterns of Diabetes and Hypertension in Older Adults using Oral Screening Data.*
8:40 Zhaoying Wei*, University of Georgia; Xiaobai Yao, *A study of accessibility to health facilities for elderly people in metro Atlanta using a hierarchical multi-step floating catchment area method.*
9:00 Alan M Delmerico*, Center for Health and Social Research,

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Buffalo State College; William F Wieczorek, Center for Health and Social Research, Buffalo State College, *Geographic Assessment of Home Health Care Need*.
Discussant(s): Tim Schwanen, University of Oxford

4128. GIScience Analyses Applied to Health Research (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica B, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): Xun Shi, Dartmouth College

8:00 Diansheng Guo*, University of South Carolina, *Integrating Regionalization and Multilevel Analysis for Health Studies: Embracing the MAUP Opportunity*.

8:20 Xun Shi*, Dartmouth College; Stephanie D. Miller, The Geisel School of Medicine at Dartmouth; John B. Moeschler, The Geisel School of Medicine at Dartmouth; Kevin M. Mwenda, University of California, Santa Barbara; Akikazu Onda, Dartmouth College; Judith R. Rees, The Geisel School of Medicine at Dartmouth; Tracy L. Onega, The Geisel School of Medicine at Dartmouth; Margaret R. Karagas, The Geisel School of Medicine at Dartmouth, *Detecting association between a disease and an environmental factor using localized t-test*.

8:40 Aniruddha Banerjee, PhD*, Indiana U Purdue U Indianapolis, *Fragmentation of Health Networks: A Statistical-Mechanical Approach*.

9:00 Cong Fu*, Louisiana State University; Fahui Wang, Louisiana State University, *Optimize Health Care Accessibility with Intelligent Optimization Algorithms*.

9:20 Jay Lee*, Kent State University, *Towards Detecting the Patterns of Spatial Diffusion Processes of Point-Based Disease Data*.

4129. Exurbanization and Amenity-Driven Development (Sponsored by Landscape Specialty Group)

Room: Santa Monica C, Westin, Level 3 (Paper Session)

ORGANIZER(S): Jelena Vukomanovic, Office of Arid Land Studies, University of Arizona; Miguel Villarreal, U.S. Geological Survey

CHAIR(S): Jelena Vukomanovic, Office of Arid Land Studies, University of Arizona

8:00 Jelena Vukomanovic*, Office of Arid Land Studies, University of Arizona; Sandra Doumas, School of Natural Resources and the Environment, University of Arizona; W. R. Osterkamp, U. S. Geological Survey, Tucson, AZ; Barron J. Orr, Office of Arid Lands Studies, University of Arizona, *Housing density and ecosystem function: comparing the impacts of rural, exurban and suburban densities on fire hazard, water availability, and house and road distance effects*.

8:20 Peter Klepeis*, Colgate University; Nicholas Gill, University of Wollongong; Sara Dolnicar, University of Wollongong, *Amenity Migration, Information Networks, and Invasive Weeds in Rural New South Wales*.

8:40 Charlotte Ely*, EPA Region 9, *Assessing the impacts of changing land-use and water management practices on the Upper San Pedro watershed since 1972*.

9:00 Michaela Buenemann, Ph.D.*, New Mexico State University, *Spatio-Temporal Dynamics of Exurbanization in the Southwest Sun Belt*.

9:20 Jerzy Banskis*, Institute of Geography and Spatial Organization PAS, *Scenarios for development and visions of Poland's rural space in a long-term perspective*.

4130. Climate Literacy 1: "Do you believe in global warming?" Faith, religion and climate change (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Dimensions Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: Santa Monica D, Westin, Level 3 (Panel Session)

ORGANIZER(S): Dan Bedford, Weber State University

CHAIR(S): John Harrington Jr, Kansas State University

Panelists: Matthew Bekker, Brigham Young University; David Rutherford, University of Mississippi; Allis Druffel, Interfaith Power & Light

4134. Case Studies of Environment, Health and Policy in Africa I (Sponsored by Africa Specialty Group)

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Jenna Dixon

CHAIR(S): Jenna Dixon

8:00 Godfred Odei Boateng*, University of Western Ontario; Frederick Ato Armah, University of Western Ontario; Isaac Luginaah, University of Western Ontario, *An Empirical Analysis of Women's Empowerment in Ghana*.

8:20 Raymond Tutu*, Delaware State University, *Shall the Despised Return Home? Social Exclusion and Step Return Migration Prospects in Old Fadama, Accra*.

8:40 Katherine Malpeli*, United States Geological Survey, *Climate change and conflict: A methodology for mapping the risk of water resource-driven conflicts in the Sahel region of Africa*.

9:00 Robert J Summers, PhD*, University of Alberta, *Traditional Institutions of Water Point Management in Rural Villages in Malawi*.

9:20 Emily Catherine Eyles*, University of Western Ontario; Melissa Whaling; Isaac Luginaah, University of Western Ontario, *Probiotic Yogurt as a Nutritional Supplement in the Context of HIV/AIDS in Mwanza, Tanzania: Meeting Important Gender Needs*.

4135. Maritime Geography

Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Dianne E. Meredith, California Maritime Academy-CSU

CHAIR(S): Dianne E. Meredith, California Maritime Academy-CSU

8:00 Dianne E. Meredith*, California Maritime Academy-CSU, *Lamu Super-Port in Kenya: Connecting the Great Equatorial Landbridge Across Africa*.

8:15 Chuck Fahrer*, Georgia College & State University, *The Political Geography of Gwadar*.

8:30 Elizabeth Nyman*, University of Louisiana-Lafayette, *From Sea to Space: Legal Implications Using Maritime Platforms for Satellite Launches*.

8:45 Donna J Nincic, Dr.*, California Maritime Academy, *Children in Maritime Piracy: Motivations, Exploitation, and Breaking the Generational Cycle*.

9:00 David A Schwartz*, CSU-Long Beach, MA Geography Department, *Safe Travels? An examination of the search and rescue policies and capabilities in the Northwest Passage region*.

9:15 Marti L Klein*, California State University, Fullerton, *Temporary Mobility, Maritime Travel Narratives, and the 'Pull' of the Sea*.

4136. Between the Punitive and the Supportive I: Urban Social Policy's 'Messy Middle Ground'

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Joshua Evans, Athabasca University; Geoffrey DeVerteuil, University of Southampton

CHAIR(S): Gordon MacLeod, University of Durham

8:00 Joshua Evans*, Athabasca University, *Poverty Management Makeovers: Following 'Housing First' Policy in Urban*

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Canada.

- 8:20** Jonathan Greene, Ph.D.*, Trent University, *Clearing the Streets, Housing the Homeless: The Dynamics of Poverty Management in Toronto, Canada.*
- 8:40** Sandra Zupan*, University of Kentucky, *Advocating for the poor and homeless: Christian anarchism and spaces of praxis in Lexington, Kentucky.*
- 9:00** Pieter Cools*, Stijn Oosterlynck*, University of Antwerp, *'Using our right hand to put people in our left hand': governing public space through punitive social policies in the city of Antwerp.*

Discussant(s): Michele Lancione, UTS

4137. Social Justice and the Marvelous City: World Cup, Olympics and Dispossession in Rio de Janeiro (part 1) (Sponsored by Latin America Specialty Group, Global Urbanization, Urban Geography Specialty Group)

- Room:** Laguna Parlor 3048, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): James Freeman, Concordia University; Christopher Gaffney, Universidade Federal Fluminense
 CHAIR(S): James Freeman, Concordia University
8:00 Mathieu Labrie*, Department of urban studies, University of Quebec in Montreal; Pierre-Mathieu Le Bel, Department of geography, University of Quebec in Montreal, *Capital, mega-events and the right to the city: a triple dialectic as seen through the cases of Montreal and Rio de Janeiro's Olympic experiences.*
- 8:20** Jean Legroux*, Laboratoire d'Economie des Transports (LET), *Between discourse and reality: impacts of 'Rio's transportation revolution on socio-spatial justice..*
- 8:40** Pamela K Sertzen, M.A.*, Syracuse University, *Experiencing the state: children's everyday in Rocinha, Rio de Janeiro.*
- 9:00** Megan Corrarino*, Yale Law School, *"Law Exclusion Zones": Mega-Events as Sites of Procedural and Substantive Human Rights Violations.*
- Discussant(s): Gilmar Mascarenhas

4138. Livelihood of migrant workers in Chinese cities: I (Sponsored by China Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group, Symposium on New Geographies of Urban China)

- Room:** Laguna Parlor 3064, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Wei Xu, University of Lethbridge
 CHAIR(S): Cindy Fan, University of California, Los Angeles (UCLA)
8:00 Ming Tian, Dr., Beijing Normal University; Lei Xu, Dr.*, California State University, Fullerton, *Spatial Mobility and Urban Integration of Migrant Workers in China.*
- 8:20** Chen Chen*, University of California, Los Angeles (UCLA), *Housing in rural China: migration, demographic change and the marriage market.*
- 8:40** Xuefei Ren*, Michigan State University, *Dancing with the State: Migrant Workers' NGOs and the Remaking of Urban Citizenship in China.*
- 9:00** Wenfei Winnie Wang, Dr*, University of Bristol, *A comparison study on the health status of rural-urban migrants in China.*
- 9:20** Cindy Fan*, University of California, Los Angeles (UCLA); Chen Chen, University of California, Los Angeles (UCLA), *The New-Generation Migrant Workers in China.*

4139. The cross-border metropolis in a globalizing era: emerging discourses - Session I

- Room:** Laguna Parlor 3068, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Christophe SOHN, CEPIS/Instead
 CHAIR(S): Christophe SOHN, CEPIS/Instead
 Introducer: Christophe SOHN
8:10 Cesar Mario Fuentes*, El Colegio de la Frontera Norte, *Socio-spatial Segregation and Employment*

Accessibility in Ciudad Juarez, Chihuahua (2000-2004)..

- 8:30** Tim Cassiers*, Belgium, *What about competition within a cross-border metropolitan region?.*
- 8:50** Tito Alegria, Ph.D.*, EL Colegio de la Frontera Norte, *Transborder Metropolis in question: the Case of Tijuana and San Diego.*
- 9:10** Christophe SOHN*, CEPIS/Instead, *The border as resource in the global urban space.*

4140. The patterns of regional development: On the role of institutions, policies and learning I

- Room:** Malibu Parlor 3018, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Elena Zukauskaitė, Circle, Lund University
 CHAIR(S): Elena Zukauskaitė, Circle, Lund University
8:00 Naji P. Makarem*, University of California, Los Angeles (UCLA), *Using regression analysis to contextualize case-study research on institutions..*
- 8:17** Elena Zukauskaitė*, Circle, Lund University; Jerker Moodysson, Circle, Lund University, *Multiple paths of renewal - the case of the food sector in southern Sweden.*
- 8:34** Alireza Farmahini Farahani*, Simon Fraser University; Azadeh Hadizadeh Esfahani, Simon Fraser University, *Socio-Cognitive Regional Learning in the Khorasan (Northeast Iran) Saffron Cluster.*
- Discussant(s): Sinead Monaghan, University of Limerick; Thomas Kemeny, UNC Chapel Hill; Lionel Sack, CIRCLE; Teis Hansen, CIRCLE, Lund University

4141. Soy Production in South America (1): Globalization, Regionalization, and new Agro-Industrial Landscapes (Sponsored by Latin America Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

- Room:** Malibu Parlor 3038, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Gustavo Oliveira, University of California at Berkeley; Susanna Hecht, University of California Los Angeles
 CHAIR(S): Christian Brannstrom, Texas A&M University
 Introducer: Rachael Garrett
8:20 Ludvine Eloy Costa Pereira*, French National Center for Scientific Research (CNRS); Fabiano Toni, Center for Sustainable Development (CDS), University of Brasilia, *Territorial management for biodiversity conservation: specificities and limits of the Brazilian model.*
- 8:40** J. Christopher Brown*, University of Kansas, *Satellite remote sensing of land-use and land-cover change and environmentality in Mato Grosso, Brazil.*
- 9:00** Lee Mackey*, University of California, Los Angeles (UCLA), *Emerging State Spaces in the Governance of Brazilian Agroindustrial Development in Latin America.*
- Discussant(s): Christian Brannstrom, Texas A&M University

4142. Technologies and applications of the modern Web-based GIS (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)

- Room:** Malibu Parlor 3058, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Zhenlong LI; Chen Xu
 CHAIR(S): Zhenlong LI
8:00 Chungweon Oh*, Namseoul Univ., *Integration of Geographic Modelling and Web 3D graphics.*
- 8:20** Andrew Schroeder, Ph.D., Direct Relief International; Jen Lemberger, MPH*, Direct Relief International; Lindsey Pollaczek, MPH, Direct Relief International, *Web Mapping as a Humanitarian Knowledge Platform.*
- 8:40** Yue Cui*, Michigan State University, *An examination of the effectiveness of using an internet-based GIS to update*

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farmers market directories.

9:00 Wei Luo, Ph.D.*, Dept. of Geography, Northern Illinois University; Jon Pelletier, Ph.D., University of Arizona; Kirk Duffin, Ph.D., Northern Illinois University; Carol Ormand, Ph.D., Carleton College; Wei-chen Hung, Ph.D., Northern Illinois University; Ellen Iverson, Ph.D., Carleton College; David Shernoff, Ph.D., Northern Illinois University; Xiaoming Zhai, Ph.D., College of Lake County; Anjana Chowdary, *Northern Illinois University; WILSIM2 - the next generation terrain simulator.*

4143. Affect and Dissonant Pasts: Power and Politics, Collision and Collusion (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural Geography Specialty Group)

Room: *Malibu Parlor 3078, Westin, 30th Floor (Paper Session)*
ORGANIZER(S): Emma Waterton, University of Western Sydney; Steve Watson, York St John University
CHAIR(S): Emma Waterton, University of Western Sydney
8:00 Ann Reed, Ph.D.*, University of North Dakota, *Routes to Understanding Slavery Heritage: Identity Politics and Meaning in Ghana.*
8:20 Steve Watson, Dr*, York St John University; Steve Watson, Dr, York St John University, *A War Long Forgotten: Feeling the Past in an English Country Village.*
8:40 Jason Dittmer*, University College London; Emma Waterton, University of Western Sydney, *On Affective Heritage: Posthumanism and the Australian War Memorial.*
9:00 Britta Timm Knudsen*, Aarhus University, *Activism or re-activism? Mobilizing through YouTube.*
Discussant(s): Joy Sather-Wagstaff, North Dakota State University

4144. Accessibility to Public Spaces in Changing Urban Environments (Sponsored by Global Urbanization, Transportation Geography Specialty Group)

Room: *Malibu Parlor 3118, Westin, 31st Floor (Paper Session)*
ORGANIZER(S): Joe Weber, University of Alabama
CHAIR(S): Joe Weber, University of Alabama
8:00 Matthew McKay*, Department of Geography, Southern Connecticut State University, *An Analysis of Public Access to Municipal Beaches on Long Island Sound in Connecticut.*
8:20 Tao Lin*, Shanghai Normal University; Xi Lu, Shanghai Normal University, *An Analysis of the Accessibility of Expressway Network and the Cities Location in Yangtze Delta Area.*
8:40 Olof Olsson*, Umeå University, *Access to urban fringe forests.*
9:00 Katayoon Alizadeh, Assist.prof, Geography and Urban Planning, Islamic Azad University of Mashhad; Seyedeh Negar Hosseini*, PhD candidate of Urban & Regional Planning, University Technology Malaysia, *Accessibilty to Health Services in Mashhad: a GIS-Based Assessment for Redistribution of Infrastructures.*
9:20 Jun Li*, Sun Yat-sen University; Sha Huang, Sun Yat-sen University, *Activity-based Spatio-Temporal Accessibility Analysis of Guangzhou Waterbus.*

4145. Latinos, Legality, and Landscape (Sponsored by Ethnic Geography Specialty Group)

Room: *Malibu Parlor 3138, Westin, 31st Floor (Paper Session)*
ORGANIZER(S): Laura Barraclough, Kalamazoo College
CHAIR(S): Laura Barraclough, Kalamazoo College
8:00 Perla M. Guerrero, PhD*, University of Maryland, College Park, *"Acts of Spatial Illegality": Latinas/os, Race, and Arkansas.*
8:20 Lise Nelson*, University of Oregon, *Luxury, legality, and whiteness in rural U.S. amenity landscapes.*
8:40 Laura Barraclough*, Kalamazoo College, *"Horse*

Tripping": Animal Welfare Laws and the Production of Ethnic Mexican Illegality in Urban Public Space.

9:00 Lorena Munoz*, University of Minnesota, *Agency, Choice and Restrictions in Producing (Im)Migrant Street Vending Landscapes in 'Latino' America..*

4146. Remote Sensing Applications in Coastal and Wetlands (Sponsored by Remote Sensing Specialty Group)

Room: *Malibu Parlor 3158, Westin, 31st Floor (Paper Session)*
ORGANIZER(S): Ruiliang Pu, University of South Florida
CHAIR(S): Ruiliang Pu, University of South Florida
8:00 Edward Park*, University of Texas Austin, *Mega-pattern analysis of suspended sediments distribution in the Amazon River using multi-temporal satellite imageries..*
8:20 Joshua E. Bucher*, Department of Geography, South Dakota State University; Md Rajibul H. Al Mamun, Department of Geography, South Dakota State University; Christopher K. Wright, Geographic Information Science Center of Excellence, South Dakota State University; Geoffrey M. Henebry, Geographic Information Science Center of Excellence, South Dakota State University, *Delineating Open Water Extent in the Prairie Pothole Region and Rainwater Basin using Rule-based Segmentation of Landsat Data.*
8:40 Georgia H. De Stoppelaire, M.A., GISP*, Florida Atlantic University, *Data Fusion of LiDAR and Aerial Photography for Coastal Vegetation Mapping in South Florida, Using an Object-Oriented Approach.*
9:00 Marc Simard*, NASA/JPL; Lola E. Fatoyinbo, NASA Goddard Space Flight Center; Victor H Rivera-Monroy, Louisiana State University; Rinku Roy-Chowdhury, Indiana University, *Mapping height, biomass and vulnerability of all mangrove forest of the Americas.*
9:20 Ruiliang Pu, PhD*, University of South Florida; Susan Bell, PhD, University of South Florida; David English, University of South Florida, *Developing Hyperspectral Vegetation Indices for Identifying Seagrass Species and Cover Classes.*

4147. Geography and Education

Room: *Malibu Parlor 3178, Westin, 31st Floor (Interactive Short Paper Session)*
ORGANIZER(S): Program Committee
CHAIR(S): Owen A Selles
8:00 Joshua Long*, Southwestern University, *Teaching Sustainable Agriculture to Undergraduates: A Dialogue.*
8:05 Lena Molin*, Uppsala university, *Preconditions of environmental moral learning within education for sustainable development: A multidisciplinary study of young Swedes attitudes, commitments and actions..*
8:10 Carina Peter*, University of Giessen, *Experimenting in geography education - Results of a study on competencies.*
8:15 Marten Loessner*, Arkadiusz Glowacz; Samuel Luedemann; Maria Adamczewska; Karolina Smetkiewicz, *Why I want to become a Geography Teacher? Geography education students' motives of vocational choice and specialist interest - a comparison between German and Polish students..*
8:20 Wenjie Sun, Dr., Carthage College, *Learning GIS through Community Service and Civic Engagement.*
8:25 Timothy K O'Mahony, PhD*, University of Washington, *Geo-Literacy in Middle School STEM: Impact of Processes and Settings.*
8:30 Riley L O'Donnell*, Pennsylvania State University, *Works Progress Administration's Bituminous Coal Mine Maps of Pennsylvania: A Metadata Approach.*
8:35 Rachel Headley*, United States Geological Survey; Kristi

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- Kline, U.S. Geological Survey, *The LandsatLook Viewer and What's Next for Data Access*.
- 8:40** Petra Zimmermann*, Ball State University, *Physical Space, Collaborative Learning, and Introductory GIS Education: Does It Matter?*.
- 8:45** Owen A Selles*, Calvin College; David Warners, B.S., M.S., Ph.D, Calvin College, *"Our Piece of Earth": Researching the Environmental History of Calvin College's Campus*.
- 4150. The Right to Water: Theories and Practices (Sponsored by Cultural and Political Ecology Specialty Group, Water Resources Specialty Group, Development Geographies Specialty Group)**
Room: Angeleno, The LA Hotel, Level 2 (Panel Session)
 ORGANIZER(S): Farhana Sultana, Syracuse University; Alex Loftus, King's College London
 CHAIR(S): Farhana Sultana, Syracuse University
 Discussant(s): Farhana Sultana, Syracuse University; Alex Loftus, King's College London
 Panelists: Jessica Budds, University of Reading; Trevor Birkenholtz, Rutgers University; Leila Harris, University of British Columbia; Jeffrey Banister, University of Arizona
- 4151. Urban Meteorology: Forecasting, Monitoring, and Meeting Users' Needs - Co-sponsored by American Meteorological Society (Sponsored by Regional Development and Planning Specialty Group, Climate Specialty Group, Urban Geography Specialty Group)**
Room: Bunker Hill, The LA Hotel, Level 2 (Panel Session)
 ORGANIZER(S): Chandana Mitra, Auburn University
 CHAIR(S): Chandana Mitra, Auburn University
 Discussant(s): Randy Peppler, University of Oklahoma
 Panelists: Xubin Zeng; Mark Arend, CCNY NOAA CREST; Petra Klein, University of Oklahoma; James A Voogt, Western University
- 4152. Geographical Perspectives of Environmental Politics I**
Room: Grand Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Katherine MacDonald, York University; Ryan Hackett
 CHAIR(S): Ryan Hackett
8:00 Sara L Jackson*, York University, *Water as Territory: Environmental Politics and Mongolia's Mining Boom*.
8:20 Andrea Marston, MA*, University of California, Berkeley, *The Scale of Community: Scalar Negotiation by Peri-Urban Community-Run Water Systems in Cochabamba, Bolivia*.
8:40 Young Rae Choi*, Ohio State University, *Decline of the global environmental governance? Contested sovereignty of the state and IUCN*.
9:00 Samuel J Kay*, The Ohio State University; Bo Zhao, The Ohio State University; Daniel Z Sui, The Ohio State University, *Who breathes the good air? Social media and the debate over air pollution in Chinese cities*.
- 4153. Life Course Influence on Urban Demographics (Sponsored by Population Specialty Group)**
Room: Grand Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Lee Hachadoorian, Dartmouth College; Rachel S. Franklin, Brown University
 CHAIR(S): David A Plane, University of Arizona
8:00 Kyle Walker*, Texas Christian University, *Evaluating the "demographic inversion" hypothesis*.
8:20 Rachel S. Franklin*, Brown University; Alessandra Faggian, The Ohio State University, *College Student Migration in the United States: Going with the Flow?*.
8:40 Deane Lycan*, Portland State University, *Senior Shedding*.
9:00 Jason Jurjevich*, Portland State University; Greg Schrock, Portland State University, *Where Young People*
- Go to Retire? Amenities, Employment Opportunity and Migration Patterns of the Young and College-Educated*.
- 9:20** David A Plane*, University of Arizona, *The Life Course Dimension of 'The Great Demographic Inversion'*.
- 4154. Linking Health and Environment- Ecology, Epidemiology and Geography of Infectious Diseases in Asia (Sponsored by Health and Medical Geography Specialty Group)**
Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Yi-Chen Wang, National University of Singapore
 CHAIR(S): Yi-Chen Wang, National University of Singapore
8:00 Yi-Chen Wang*, National University of Singapore, *Linking Land, Water, People, and Parasite: Landscape Determinants of Opisthorchis viverrini Transmission*.
8:20 Xueyuan Ong, M.S Candidate*, National University of Singapore; Yi-Chen Wang, Dr, National University of Singapore, Singapore; Paiboon Sithithaworn, Dr, Khon Kaen University, Thailand, *Examining Liver Fluke (Opisthorchis viverrini) Infection in Cyprinid Fishes, and Its Implication for Human Food Safety*.
8:40 Dongdong Li*, Minzu University of China; Liang Lu, Minzu University of China; Chen-Chieh Feng, National University of Singapore, *Interactions between Land Use and Liver Fluke infection in Northeast Thailand*.
9:00 Yan Wang*, *Determinants of typhoid and paratyphoid fever in Hongta District, China*.
- 4155. The Nature/Culture nexus: Agro-biodiversity in Indigenous Contexts (Sponsored by Biogeography Specialty Group, Indigenous Peoples Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): Joshua K Tobias, University of Western Ontario
8:00 Christian Abizaid*, University of Toronto; Oliver T. Coomes, McGill University; Mathilde Perrault-Archambault, independent researcher, *Informal seed exchange in the Peruvian Amazon: a social network analysis of homegarden transfers among the Achuar*.
8:20 Quetzalcoatl Orozco-Ramirez*, UC Davis; Stephen B. Brush, UC Davis; Flavio Aragon-Cuevas, INIFAP, *Distribution of Maize Diversity at Local Scale, Linking Culture and Environment*.
8:40 Erica Carlsson, M.S.c Geography*, University of Florida, *Understanding Influences on Harvesting Species of the Genus Heteropsis and Basket Production by Indigenous Ye'kwana of the Orinoco Basin, Venezuela*.
 Discussant(s): T. Garrett Graddy, American University School of International Service
- 4156. After the Great Recession: Research Needs Globally in the Producer Services (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)**
Room: Highland, The LA Hotel, Level 2 (Panel Session)
 ORGANIZER(S): William Beyers, University of Washington
 CHAIR(S): William Beyers, University of Washington
 Panelists: William Beyers, University of Washington; Peter Wood, University College London; Peter W. Daniels, University of Birmingham; Richard Shearmur, INRS-UCS

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- 4157. Outdoor Classroom (Sponsored by Applied Geography Specialty Group, Geography Education Specialty Group, Geography Faculty Development Alliance (GFDA))**
Room: *Hollywood, The LA Hotel, Level 2 (Panel Session)*
 ORGANIZER(S): Lesli Rawlings, Wayne State College; John Patrick Harty, University of Wyoming
 CHAIR(S): William P Cumming
 Panelists: Lesli Rawlings, Wayne State College; William P Cumming; Shea Rose, University of West Georgia; Sarah Halvorson, The University of Montana; John Patrick Harty, University of Wyoming; Jeffrey Lash, University of Houston Clear Lake
- 4158. Mapping Extractive Industries and Livelihoods I (Sponsored by Geographic Information Science and Systems Specialty Group, Hazards, Risks, and Disasters Specialty Group)**
Room: *Melrose, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): John Rogan, Clark University; Nicholas Cuba, Clark University
 CHAIR(S): John Rogan, Clark University
8:00 James Tolisano, Wildlife Conservation Society; Ashley Vosper, Wildlife Conservation Society; Ray Victorine, MSc, Wildlife Conservation Society; Robert Rose, PhD*, Wildlife Conservation Society, *From Field Plots to Landscape Level Planning: Building the Baseline to Develop a Biodiversity Offset for Large-Scale Mining in the Republic of Congo.*
8:20 Roopa Krithivasan*, WWF-US; Michael Mascia, PhD, WWF-US; Sharon Pailler, Clark University; Martha Stevenson, WWF-US, *Extractive Industries and Protected Areas, 1900 - Present.*
8:40 Roy Maconachie, Dr*, University of Bath, *New spaces for change? Youth livelihoods and extractive industry in Sierra Leone.*
9:00 Nicholas Cuba*, Clark University; John Rogan, Clark University; Anthony Bebbington, Clark University; Marco Millones, College of William and Mary; Dan Cheng, Clark University; Barbara Horvatic, Clark University; Joshua Plisinski, Clark University, *Mapping Overlap between Extractive Industries, Water and Agriculture in Peru and Ghana.*
9:10 Jacque (Jody) Emel*, Clark University; John Rogan, Clark University, *Monitoring Hydrologic Change at Mine Sites Using Satellite Imagery.*
 Discussant(s): Anthony Bebbington, Clark University
- 4159. Hazards, Risks, and Disasters Specialty Group Session: Risk Perception and Hazards (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: *Olvera, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): Ronald R Hagelman III, Texas State University
 CHAIR(S): Ronald R Hagelman III, Texas State University
8:00 Rachel L. Cunningham*, San Francisco State University, *Public Perceptions of Levees and Risk: A Natomas, Sacramento, California Case Study.*
8:20 Tapio Litmanen, University of Jyväskylä; Barry D Solomon*, Michigan Technological University, *The Utmost Ends of the Nuclear Fuel Cycle: How Finns Perceive the Risks of Uranium Mining and Nuclear Waste Management.*
8:40 Debbie Hopkins*, University of Otago, *The Social Phenomenon of Climate Change: Contextual Vulnerability, Risk Perceptions and Adaptation in the ski industry of Queenstown, New Zealand.*
9:00 Wanyun Shao*, Louisiana State University; Barry D. Keim, Louisiana State University; James C. Garand, Louisiana State University; Lawrence C. Hamilton, University of New Hampshire, *Economy, Weather and Climate: Which Affect the Risk Perceptions of Global Warming? (2001-2010).*
- 4160. Trees in the city 1: policies, people and the extent of the urban forests (Sponsored by Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group)**
Room: *Olympic, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): Tenley Conway, University of Toronto; Shawn Landry, University of South Florida
 CHAIR(S): Tenley Conway, University of Toronto
8:00 Henry Lawrence*, Edinboro Univ of Pennsylvania, *Changing roles for City Trees in the Sustainability of Cities.*
8:20 Sudipto Roy*, Griffith University, *A comparative assessment of Australian city councils' perception of their street tree services and disservices.*
8:40 Brendan Lavy*, Texas State University-San Marcos, *A Geography of Permitted Tree Removal in Austin, Texas, 2002-2011.*
9:00 Shawn Landry*, University of South Florida; Jayajit Chakraborty, University of South Florida, *Street trees in urban neighborhoods: Management responsibilities and temporal change.*
9:20 Katherine E. Foo*, Clark University, *Strengthening the urban forest in times of 'urban entrepreneurialism': the case of Boston's "100,000 Trees by 2020".*
- 4161. Geographies of Media IV: Representing and Performing Nature (Sponsored by Communication Geography Specialty Group)**
Room: *Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): Paul C. Adams, University of Texas at Austin
 CHAIR(S): Paul C. Adams, University of Texas at Austin
8:00 Blake Mayberry*, University of Kansas, *Bury me on the prairie: Nature and culture in the post-rural Midwest.*
8:20 Stacy Rebich Hespanha*, National Center for Ecological Analysis and Synthesis, University of California, Santa Barbara; Joao Hespanha, Department of Electrical and Computer Engineering, University of California, Santa Barbara; Ronald E. Rice, Department of Communication, University of California, Santa Barbara; Daniel R. Montello, Department of Geography, University of California, Santa Barbara; Stephanie E. Hampton, National Center for Ecological Analysis and Synthesis, University of California, Santa Barbara, *What Can You Learn About Climate Change by Following the News? Themes and Frames in US News Reports, 1970s to Present.*
8:40 Katrinka Somdahl-Sands*, Rowan University, *Ritual, community and the arts as environmental communication: Solstice River.*
9:00 Stefan Zimmermann*, University of Osnabrück, *Based on True Events - Narrated Nature in Australian Horror Cinema.*
- 4162. 'The New Imperialism' Thesis, Ten Years On 1**
Room: *Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)*
 ORGANIZER(S): Patrick Bigger, University of Kentucky; Oliver Belcher, University of British Columbia
 CHAIR(S): Patrick Bigger, University of Kentucky
8:00 Oliver Belcher*, University of British Columbia; Oliver C Belcher, University of British Columbia, *Computational Counterinsurgency: Big Data and Data-Coding the Insurgent in U.S. Military Intelligence.*
8:20 Joseph Bryan*, Department of Geography, University of Colorado, Boulder, *Security, Property, and Counterinsurgency: A cartography of the "Humanitarian Present" in Latin America.*
8:40 Kasim Tirmizey, PhD Student*, York University, *Contemporary Imperialism and Global Land Grabbing.*
9:00 Jeremy Crampton*, University of Kentucky; Susan Roberts, University of Kentucky; Ate Poorthuis, University

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of Kentucky, *Is Imperialism Sustainable? The New Political Economy of Geographical Intelligence*.

Discussant(s): Jim Glassman, University of British Columbia

4163. Comparative Policy Analysis - 1 (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Richard Peet, Clark University

CHAIR(S): Waqar Ahmed, University of North Texas

Panelists: Richard Peet, Clark University; Phillip O'Neill, University of Western Sydney; Chris Gibson, University of Wollongong; Alan Walks, University of Toronto

4164. Control of Water and Indigenous Societies: Setting Management Priorities in the Face of Cultural Conflict (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Pico, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Heidi Mehl, Kansas State University;

Marcellus Caldas, Kansas State University-Geography

CHAIR(S): Heidi Mehl, Kansas State University

Panelists: John Kelly, University of Kansas; Ron J Smith, University of Washington; Rachel Will; Emma S. Norman, Michigan Technological University; Eric Samson, Mayan Esteem Project; Central Connecticut State University

4170. Geographies of Art

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mara Chen, Salisbury University

8:00 Gregory Berger*, Universidad Autónoma del Estado de Morelos, *Not Your Master's Flood: Towards a New Disaster Movie Paradigm*.

8:20 Courtney Donovan*, San Francisco State University, *Art as Healing: Military Veterans and the Role of Art in Managing PTSD*.

8:40 Hongyan Yang*, *Reading art, reading place*.

9:00 Mara Chen*, Salisbury University, *The Science and Art of Walking -- Geographic Poetry and Photography*.

4171. Austerity Cities: Bankruptcy, Dispossession, Foreclosure, Privatization and Resistance I (Sponsored by Political Geography Specialty Group, Global Urbanization, Urban Geography Specialty Group)

Room: Bernard's, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Mark Davidson, Clark University; Kevin Ward, University of Manchester

CHAIR(S): Kevin Ward, University of Manchester

8:00 James L. Mulvihill, AICP*, California State University - San Bernardino; James Louis Mulvihill, AICP, California State University, San Bernardino, *San Bernardino, California Bankruptcy: A City Caught in a Fiscal Maelstrom*.

8:20 Mark Davidson*, Clark University, *How going broke became fiscal fix: American cities in crisis?*.

8:40 Jamie Peck*, University of British Columbia, *Austerity urbanism*.

9:00 Crispian Fuller*, Aston University, *The everyday of performing 'strategy' in austerity-driven cities*.

Discussant(s): Kevin Ward, University of Manchester

4172. Education and Environment

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Daniel W Harris, Salisbury University

8:00 Robert Hougham, PhD*, *Education at the Speed of Adventure: Global and Local Student Inquiry in Climate Science Education*.

8:20 James A. Brey*, American Meteorological Society; Ira W.

Geer, American Meteorological Society; Elizabeth W. Mills, American Meteorological Society; Kira A. Nugnes, American Meteorological Society; Maureen N. Moses, American Meteorological Society, *AMS Climate Studies: Raising Climate Literacy for a Brighter Future*.

8:40 Mark R Hafen, PhD*, Univ of South Florida; Elizabeth Strom, PhD, Univ of South Florida, *EcoMentors: Assessing the Pilot Year of a College Student-High School Student Mentoring Program*.

9:00 Caroline Davies*, University of Missouri-Kansas City; Micheal Frisch, Architecture, Urban Planning and Design, University of Missouri Kansas City; Jacob Wagner, Architecture, Urban Planning and Design, University of Missouri Kansas City, *Large Format Environmental Science Course: A Forum for Teaching Sustainability*.

9:20 Daniel W Harris*, Salisbury University; Mara Chen, PhD, Salisbury University, *Real World Data in STEM Assessment -- A Geosciences Project-based Model*.

4173. Climate Policy as Industrial Policy: Emerging Geographies in the Making of the Green Economy I (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, European Specialty Group)

Room: Corinthian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Jia Ching Chen, University of California, Berkeley; Abigail Martin

CHAIR(S): Abigail Martin

8:00 Dustin Mulvaney*, University of California - Berkeley, *Solyndra, Sand Hill Road, and Shadow Banks: Grabbing Clean Energy Futures in the Great Solar Bubble*.

8:20 Jia Ching Chen*, University of California, Berkeley, *Zoning for Green: Emerging Geographies of Climate Governance, Industrial Development and Agrarian Transition*.

8:40 Jeffrey Jenkins*, University of California, Santa Cruz, *Producing environmental policy for rare earth element mining in the United States*.

9:00 Marvin Joseph Montefrio*, SUNY College of Environmental Science and Forestry, *Integration of Smallholders in Agro-industrial Production of Low-Carbon Commodities: Political Discourse on Indigenous Populations and Environments in the Philippines*.

Discussant(s): Sarah Knuth, UC - Berkeley

4174. Medical Geographies

Room: Corsican, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jungsu Oh, Chonnam National University

8:00 Emma Rose, Professor*, Lancaster University, *Encountering place: A psychoanalytic approach for understanding how therapeutic landscapes benefit health and wellbeing*.

8:20 Kyle T Evered, PhD*, Michigan State University, *Between morality and medicine: Debating the place and practice of drink in early republican Turkey*.

8:40 Jungsu Oh*, Chonnam National University; Kyonghwan Park, Chonnam National University, *Sociospatial Exclusion of Lepers in South Korea: Geographies of the Island of Sorokdo under Japanese colonial rule*.

4175. Remote Sensing

Room: Florentine, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mofoluso Fagbeja, NASRDA, Abuja

8:00 Jose L Silvan-Cardenas, PhD*, Geography and Geomatic Research Center, *On quantifying post-classification sub-pixel change*.

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8:20 Eliza Bradley*, University of California, Santa Barbara; Andrew Thorpe, University of California, Santa Barbara; Dar Roberts, University of California, Santa Barbara; Philip Dennison, University of Utah, *Detecting Offshore Platform Venting in the Gulf of Mexico with Cluster-Tuned Matched Filters and Flexible Web Review.*

8:40 Michelle Howard*, University of Idaho; Michelle Howard, MS, University of Idaho Department of Geography; Karen S. Humes, PhD, University of Idaho Department of Geography; Crystal A. Kolden, PhD, University of Idaho Department of Geography, *An evaluation of missing data using AVHRR Pathfinder Cloud Screened SST global products.*

9:00 Jared Ogle*, *Analysis of the Relationship between Urban Heat Islands, Urban Sprawl, and Deforestation.*

9:20 Mofoluso A. Fagbeja, PhD*, NASRDA, Abuja; Tim J. Chatterton, PhD, University of the West of England, Bristol, UK; Jennifer L. Hill, PhD, University of the West of England, Bristol, UK; James W.S. Longhurst, Professor, University of the West of England, Bristol, UK; Joseph O. Akinyede, PhD, Centre for Space Science and Technology Education, Ile-Ife, Nigeria, *The Need for Improved Sensing Technology for Estimating Concentrations of Air Pollutants at Ground Level in Low-Latitude Climates..*

4176. Making Sense - A creative exploration of sensing the world

Room: Grecian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Jesse Quinn, University of Arizona; Gigi Owen, University of Arizona

CHAIR(S): Jesse Quinn, University of Arizona

8:00 Gigi Owen*, University of Arizona, *Embodying Food and Food Politics in Southern Arizona.*

8:20 Dylann M McLean, PhD Candidate*, York University, *Teaching and Clowning with a Shadow: Geographies of Feeling and Channeling Richard Pochinko.*

8:40 Lance Howard*, Clemson University, *Sensing Sense of Place.*

9:00 Darin Jensen*, Department of Geography, UC, Berkeley; Molly Roy, UC Berkeley; + 100 researchers, cartographers, and artists., Guerrilla Cartographers Network, *Food: An Atlas.*

9:20 Monica Patrice Barra*, CUNY Grad Center, *Mourning the skyline: Embodiment, architecture, and the materiality of memory.*

4177. Land Systems Science Symposium: Environmental Dimensions of Land Systems (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Heinsbergen, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Richard Aspinall

CHAIR(S): Jane Southworth, University of Florida

8:00 Paul Laris*, CSU Long Beach, *Incorporating fire into models of savanna land change science.*

8:20 Jeffery A. Thompson*, University of New South Wales @ Canberra; David J. Paull, University of New South Wales @ Canberra, *The spatial and temporal dynamics of snow and vegetation within Australia's alpine bioregions: A remote sensing analysis using MODIS.*

8:40 Laura Schneider*, Rutgers University; Zachary Christman, Rowan University; Irene Zager, Rutgers University; John Rogan, Clark University, *Environmental disturbances and land systems: the effect of landscape configuration on hurricane damage in Southern Yucatán, Mexico.*

9:00 Robert Heilmayr*, Stanford University, *Conservation through intensification? The effects of plantations on natural forests.*

4178. Economic Geographies

Room: Mediterranean, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ryan James, University of Cincinnati

8:00 Mats Borrie*, Umeå University, *The role of social domains for disadvantaged groups on the labour market.*

8:20 Herman Kok*, Multi Development, *The impact of upcoming middle class on retail development in emerging markets.*

8:40 Ekaterina Bezborodko*, Rutgers University, *American blood banks: Navigating gift and market economies..*

9:00 Harold J. Gallagher, MBA, MA*, Cal State University - Fresno; Aribilola S. Omolayo*, California State University - Fresno, *Determining the Validity of the 'Compass Effect' on the Distribution of Median Household Income in U. S. Cities.*

9:20 Ryan James*, Northern Illinois University, *Comparing Income and Price Level Convergence.*

4179. Spatial Analysis and Modeling

Room: Moroccan, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Scott Horn, The University of Texas at Dallas

8:00 Amanda Kubes*, Florida State University, *Exploring the Roles of Spatial Extent and Anthropogenic Influence on Invasive Species Distribution Models.*

8:20 Denis J Dean, Dr., University of Texas at Dallas; Vaishnavi Thakar*, University of Texas at Dallas; Neeraj Sirdeshmukh, University of Texas at Dallas, *Cost Spreading Across Linear Features.*

8:40 Meijuan Jia*, UNC Charlotte; Wenwu Tang, University of North Carolina at Charlotte, *Comparative Sensitivity Analysis for Spatial Agent-based Modeling.*

9:00 Scott E Horn*, The University of Texas at Dallas, *Finding Hidden Road Segments by Estimating a Cost Surface from Visible Proximal Segments: Exploring the Limits of Dean's Approach.*

4180. Conflict and Communication (Sponsored by Communication Geography Specialty Group)

Room: Roman, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Paul C. Adams, University of Texas at Austin

CHAIR(S): Ghazi Falah, University of Akron

8:00 Judith E Otto*, Framingham State University, *Spaces of resistance: faith-based civil disobedience against communism in central and eastern Europe.*

8:20 Douglas E Heath, Ph.D.*, Northampton Community College, *Signifying sovereignty and framing the discourse of war: the cartography of Vietnam, 1955-1975.*

8:40 Justin Joque*, University of Michigan/European Graduate School, *Nodal Politics: Cyberwar and the Future of Geo-strategy.*

9:00 Ghazi Falah*, University of Akron, *The Evolution of Palestinian Critical Geography in Palestine and Beyond.*

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- 4201. Geographies of Hope Symposium 9: Giving Back: Defining Reciprocity in Research I (Sponsored by Latin America Specialty Group, Human Dimensions of Global Change Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Indigenous Peoples Specialty Group, Ethnic Geography Specialty Group)**
- Room:* Beaudry A, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): Thomas F Thornton, University of Oxford
10:00 RDK Herman*, National Museum of the American Indian, *Doing the Good Work...or at least trying to.*
10:20 Sean Robertson*, University of Alberta, Faculty of Native Studies; Gita Ljubicic, Carleton University, Department of Geography and Environmental Studies; Becky Mearns, Nunavut Sivuniksavut, Ottawa, Canada, *Learning from the land: Lessons in reciprocity and research relationships through an Inuit Elder-youth land camp in Gjoa Haven, Nunavut.*
10:40 Mya Sherman*, McGill University; Lea Berrang-Ford, PhD, McGill University; James Ford, PhD, McGill University; Marie-Pierre Lardeau, McGill University; Irene Hofmeijer, Universidad Peruana Cayetano Heredia; Carol Zavaleta Cortijo, MD, Universidad Peruana Cayetano Heredia, *Balancing Indigenous Principles and Institutional Research Guidelines for Informed Consent: A Case Study from the Peruvian Amazon.*
11:00 Roxanne Ornelas*, Miami University, *Continue to "Tell them about us".*
11:20 Wendy S Shaw*, University of New South Wales, *Redfern as the heart(h): living (black) in inner Sydney.*
- 4202. CyberGIS Symposium: Science of CyberGIS (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
- Room:* Beaudry B, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Michael Goodchild, University of California - Santa Barbara
 CHAIR(S): Dawn Wright, Environmental Systems Research Institute
10:00 Shaowen Wang*, University of Illinois at Urbana-Champaign, *An Integration Vision and Roadmap for CyberGIS.*
10:20 Dan Dong*, University of Illinois Urbana Champaign; Shaowen Wang, University of Illinois Urbana Champaign, *A Semantically Interoperable Framework for CyberGIS Workflow.*
10:40 Qunying Huang*, George Mason University; Chaowei Yang, George Mason University, *Using MapReduce and cloud computing to support geospatial processing.*
 Discussant(s): Daniel Sui, The Ohio State University; Michael Goodchild, University of California - Santa Barbara
- 4203. Teaching about Africa: Alternative resources in the classroom (Sponsored by Graduate Student Affinity Group, Geography Education Specialty Group, Africa Specialty Group)**
- Room:* La Brea, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Ryan Good, University of Florida
 CHAIR(S): Ryan Good, University of Florida
 Panelists: Iddrisu Adam, University of Wisconsin - Marshfield Campus; Sarah Smiley, Kent State University at Salem; Jen Dickinson, University of Leicester; Ibipo Johnston-Anumonwo, SUNY Cortland; Elsbeth Robson, University of Malawi

- 4204. Feminist Political Ecology of Rivers, Watersheds, Wetlands and Coastal Environments 1 (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Coastal and Marine Specialty Group)**
- Room:* La Cienega, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Anne-Marie Hanson, University of Arizona
 CHAIR(S): Stephanie Buechler, University of Arizona
10:00 Patricia E. (Ellie) Perkins*, Faculty of Environmental Studies, York University, *"Women, Watershed Governance, and Climate Change".*
10:20 Kathleen Kambic*, university of colorado boulder, *Urban Water Visibility: Legibility and Access for all.*
10:40 Citty Williams*, United Nations University, *Pamiri women and the melting glaciers of Tajikistan: recognizing knowledge diversity for better adaptation..*
 Introducer: Anne-Marie Hanson
 Discussant(s): Stephanie Buechler, University of Arizona
- 4205. J. Warren Nystrom Award Competition II**
- Room:* Los Cerritos, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Katherine Klink, University of Minnesota
 CHAIR(S): Katherine Klink, University of Minnesota
10:00 Joseph Holler*, University of Mary Washington, *Is Sustainable Adaptation Possible? Determinants of Adaptation on Mount Kilimanjaro.*
10:20 Timothy D. Baird, Ph.D.*, Virginia Tech, *Conservation, Disturbance and Livelihood Diversification in Northern Tanzania.*
10:40 Jillian Rickly-Boyd, PhD*, Indiana University, *Lifestyle Climbing: Mobility, Embodiment and Place.*
11:00 Brian Marks*, University of Arizona, *Trajectories of Land Use Change in the Coastal Mekong Delta of Viet Nam.*
- 4206. Re-thinking control at/by the border (Sponsored by Political Geography Specialty Group, Borders)**
- Room:* Los Feliz, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Kenneth D Madsen, Ohio State University
 CHAIR(S): Kenneth D Madsen, Ohio State University
10:00 Chanda Marie Turner*, Penn State University, *Market Spaces in the East African-Middle East Livestock Trade Network.*
10:20 Arthur B C França*, UFRGS; Adriana Dorfman, UFRGS, *Gendered borders within pesticides smuggling.*
10:40 David J. Trimbach*, University of Kansas, *Regional Borderland Identity & Integration in Narva, Estonia.*
11:00 Trinh Minh Anh Nguyen, M.Sc*, Okayama University, Japan; Doo-Chul Kim, Ph.D, Okayama University, Japan, *Living with a tightened national border: A case study in Central Vietnam and Laos.*
11:20 Kenneth D Madsen*, The Ohio State University, *Graffiti, Art, and Re-Scaling Claims to Space at the Edges of the Nation-State.*
- 4207. Institutional Spaces of Pain, Suffering, and Trauma (Part II): Island detention centers as the demonic, the irrational, and the political in struggles over asylum and migration on the edges of sovereign territory (Sponsored by Qualitative Research Specialty Group)**
- Room:* Palos Verdes, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Lieba Faier, University of California, Los Angeles (UCLA); Alison Mountz, Wilfrid Laurier University
 CHAIR(S): Alison Mountz, Wilfrid Laurier University
 Discussant(s): Kate Coddington, Syracuse University; Jenna Loyd, Syracuse University; Emily Mitchell-Eaton, Syracuse University; Alison Mountz, Wilfrid Laurier University; Deirdre Conlon, Saint Peter's University

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- 4208. Insights into the Fertile Crescent's City Systems, Implications for a Theology of Cities, and the Role of Cities in the Diffusion of Christianity (Sponsored by Bible Geography Specialty Group)**
Room: *San Bernardino, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): William Dando, Indiana State University
 CHAIR(S): William Dando, Indiana State University
10:00 William Dando*, Indiana State University, *The Jerusalem Famine of A.D. 70*.
10:20 Dorothy Drummond*, Indiana State University, *The Thomas Christians of Kerala: The Long Arm of Pentecost*.
10:40 Bruce R. Crew*, Independent Scholar, *A Brief Survey of Urban Classification in Ancient Israel Using Biblical Texts*.
11:00 Bharath Ganesh Babu*, Valparaiso University; William Dando, Indiana State University, *Daniel's Palestine, Jerusalem, and Babylon in c. 600 B.C.: A Tale of Two Cities*.
11:20 Jonathan J. Lu*, Holy Light Theological Seminary, *Searching for the Real Lukan Emmaus*.
- 4209. Citizen Data at a Crossroads: Future Research Directions for the Production of Geographic Information and Knowledge**
Room: *San Fernando, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Jonathan Cinnamon, Simon Fraser University; Britta Ricker, Simon Fraser University
 CHAIR(S): Nadine Schuurman, Simon Fraser University
10:00 Jonathan Cinnamon*, Simon Fraser University, *Citizens v. the State: Deconstructing the Binaries of Spatial Data Production*.
10:20 Robert Edsall*, Carthage College, *Volunteered Geographic Analysis: Crowd-sourcing Hypothesis Generation*.
10:40 Jeroen Verplanke*, University of Twente - ITC, *Geolocation by Proxy: Approaching VGI from the Perspective of Geographic Context*.
11:00 Britta Ricker*, Simon Fraser University, *Discussing the concept of volunteered geographic information through a Tweetchat*.
 Discussant(s): Francis Harvey, University of Minnesota - Minneapolis
- 4210. Spatiotemporal Thinking, Computing and Applications 7: Big Data (Sponsored by Cyberinfrastructure Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: *San Gabriel A, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Chaowei Yang, George Mason University; Keith Clarke, University of California, Santa Barbara
 CHAIR(S): Chaowei Yang, George Mason University
10:00 Jin Xing*, McGill University; Renee Sieber, McGill University; Margaret Kalacska, McGill University, *Big Data in Intelligent Geographic Image Analysis: Challenges and Approaches*.
10:18 Dean Riddlesden*, University of Liverpool; Alex D Singleton, University of Liverpool, *Exploring the Geography of Access to Fixed Line Broadband Services in England through Crowd Sourced Speed Check Data*.
10:36 Josef C Gordon, Master's Student*, University of Oregon, *Comparison of Twitter-based Voter Preferences during the 2008 and 2012 U.S. Presidential Elections*.
10:54 Zhenlong LI*, George Mason University; Chaowei Phil Yang, George Mason University; Min Sun, George Mason University; Jing Li, George Mason University; Chen Xu, George Mason University, *A performance improved Web-based system for analyzing and visualizing spatiotemporal data to support climate studies*.
11:12 Joshua E. Stevens*, The Pennsylvania State University; Alan M. MacEachren, The Pennsylvania State University, *Accommodating High-velocity Updates in Geovisual Displays for Big Data Analytics*.
 Discussant(s): Daniel Sui, The Ohio State University
- 4211. Economic Geography X - Policy for Regional Economic Development and Innovation Support (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group)**
Room: *San Gabriel B, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Dieter F. Kogler, University College Dublin; Maryann Feldman
 CHAIR(S): Dieter F. Kogler, University College Dublin
10:00 Shiri M. Breznitz*, Georgia Institute of Technology; Paige A Clayton, Georgia Institute of Technology, *One City, Three Universities, Multiple Models of Economic Impact*.
10:20 Jung Won Sonn*, University College London; Jae-Won Lee, Pukyong National University, *Academics as agents of policy mobility: Geographically specific machine of policy learning in South Korea*.
10:40 Frank Van Oort*, Utrecht University; Mark Thissen, Netherlands Environmental Assessment Agency; Dario Diodato, Netherlands Environmental Assessment Agency; Martijn Burger, Erasmus University Rotterdam, *Revealed regional competition and place-based development policy in Europe*.
11:00 Teodora Dogaru*, Utrecht University; Frank van Oort, Utrecht University; Mark Thissen, Netherlands Environmental Assessment Agency, *Regional economic growth and place-based development strategies in Europe*.
 Discussant(s): Maryann Feldman
- 4212. Non-Emergent Asias: Left behind by uneven development II: State, Market & Society (Sponsored by Asian Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)**
Room: *San Gabriel C, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Matt Branch, Pennsylvania State University; Melissa Y. Rock, Pennsylvania State University
 CHAIR(S): Melissa Y. Rock, Pennsylvania State University
10:00 Laura Elder, PhD*, Saint Mary's College, *Capturing Entrepreneurial Initiative: racial formation and financial literacy in Malaysia*.
10:20 Alex R. Colucci*, Kent State University, *Sovereignty and the Bio(necro)polis: Governmental Practice and the dialectic Production of Xinjiang*.
10:40 Hyeseon Jeong*, The Ohio State University, *Aid as a development marker: South Korea's "graduation" from aid*.
11:00 Mohd Amir Anwar*, Trinity College Dublin, *Developmental impacts of special economic zones in India*.
 Discussant(s): Erin Collins, UC Berkeley Department of Geography
- F4215. Cultural geographies "Author Meets Critics" Review Forum: _Everyday Environmentalism_ by Alex Loftus**
Room: *Santa Anita B, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Scott Kirsch, University of North Carolina at Chapel Hill
 CHAIR(S): Richard Walker, University of California-Berkeley
 Introducer: Richard Walker
 Panelists: Scott Kirsch, University of North Carolina at Chapel Hill; Katie Meehan, University of Oregon; Michael Ekers, University of Toronto, Scarborough; Bruce Braun, University of Minnesota - Minneapolis; Alex Loftus, King's College London

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- 4216. Re-evaluating the Anthropocene, Resituating "Anthropos" 2: Politics of the Anthropocene II (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: Santa Anita C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Harlan Morehouse; Elizabeth R. Johnson, University of Wisconsin - Madison
 CHAIR(S): Harlan Morehouse
10:00 Garnet Kindervater*, University of Minnesota - Minneapolis, *Catastrophe and Catastrophic Thought*.
10:20 Kevin Surprise*, Clark University, *Welcome to the Capitalocene: Post-politics, the production of nature and the subsumption of the biosphere*.
10:40 Elizabeth R. Johnson*, University of Wisconsin - Madison; Jesse Golstein, CUNY - Graduate Center, *Life's Limitless Potentials: Biomimicry For and Against Capital*.
11:00 Arun Saldanha*, Lancaster Environment Centre, *Towards the Idea of Geocommunity*.
 Discussant(s): Sara Nelson, University of Minnesota
- 4217. Master's Programs and Career Preparation in Geography (Sponsored by Enhancing Departments and Graduate Education project (EDGE))**
Room: Santa Barbara A, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Michael N. Solem, Association of American Geographers
 CHAIR(S): Kenneth E. Foote, University of Colorado
 Introducer: Michael N. Solem
10:05 Janice Monk*, University of Arizona; Janice Monk, School of Geography and Development, University of Arizona, *Profiling Master's Programs in Geography in the US*.
10:25 Christopher Lukinbeal, PhD*, University of Arizona; Janice Monk, PhD, University of Arizona, *Master's Degree Programs in Geographic Information Systems*.
10:45 Jean E. McKendry, PhD*, Association of American Geographers; Joy K. Adams, PhD, Association of American Geographers, *Geographic Expertise, Skills, and Technologies: What Employers Want*.
 Discussant(s): Christopher D Hartmann, The Ohio State University; Nonyelum W Okonkwo; Anthony Robinson, Pennsylvania State University
- 4218. Genres of Global Urbanisms: Geographies of Theory (Sponsored by Political Geography Specialty Group, Global Urbanization, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: Santa Barbara B, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Ananya Roy, University of California, Berkeley; Helga Leitner, University of California, Los Angeles (UCLA)
 CHAIR(S): Jennifer Robinson, University College London
10:00 Roger Keil*, York University, *Global Suburbs - A Suburban World: Making the Planet Urban from the Outside In*.
10:20 Michael Goldman, Professor*, University of Minnesota, *Urban Transformation in the times of Bankruptcy: Conceptualizing the "New" Stockton, CA-Barcelona School of Speculative Urbanism*.
10:40 Loretta Lees*, King's College London, Dept. of Geogr; Hyun B Shin*, London School of Economics and Political Science; Ernesto J Lopez*, University of Chile, *Gentrification, Globalization and the Post-colonial Challenge*.
11:00 Garth Myers*, Trinity College, *Changing the Flows of Ideas about Cities in a Postcolonial Urban World*.
- 4219. New Geographies of Urban China V (Sponsored by Symposium on New Geographies of Urban China)**
Room: Santa Barbara C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University
 CHAIR(S): Donggen Wang, Hong Kong Baptist University
10:00 Ronald S Wall, Dr. Ir. *, Erasmus University, *The Performance of Chinese Cities within Global Investment Networks*.
10:20 Peilei Fan, Dr. *, Michigan State University; Wenze Yue, Dr., Zhejiang University; Yong Liu, Southwest University, *Land use plan and urban development reality: Assessment of discrepancy and its spatial determinants in Shanghai*.
10:40 Bryan Wee*, University of Colorado Denver, *Children's descriptions of the environment in China: Linguistic relativism and its implications for geography education*.
11:00 Yong Liu*, College of Resources and Environment, Southwest University, Chongqing 400716, China; Department of City and Regional Planning, the University of North Carolina at Chapel Hill, NC 27599, USA; Wenze Yue, Institute of Land Science and Property Management, Zhejiang University, Hangzhou 310029, P.R. China; Peilei Fan, School of Planning, Design, and Construction and Center for Global Change & Earth Observations, Michigan State University, East Lansing MI 48824, USA; Yan Song, Department of City and Regional Planning, the University of North Carolina at Chapel Hill, NC 27599, USA, *Residential land suburbanization in market-oriented land reform: a case of Hangzhou*.
11:20 Annette Kim*, MIT, *Excavating Beijing's Subterranean Urbanism: mapping the real estate market for bomb shelter apartments*.
- 4220. Evolutionary perspectives on the multinational corporation (MNC)-institution nexus I (Sponsored by Economic Geography Specialty Group)**
Room: Sacramento, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Andrew Wood, University of Kentucky; Crispian Fuller, Aston University
 CHAIR(S): Andrew Wood, University of Kentucky
 Introducer: Crispian Fuller
10:05 Nicholas Phelps*, Bartlett School of Planning, University College London; Crispian Fuller, Sociology and Policy Group, Aston University, *Decomposing Evolution In Multinational Enterprise Subsidiary Capabilities: A Framework And Illustrations*.
10:25 Danny MacKinnon*, University of Glasgow, *Evolution, MNCs and Adaptation in Mining Regions*.
10:45 Miguel Atienza*, Universidad Católica del Norte; Nicholas Phelps, University College of London; Martin Arias, University College of London, *Out of the fences: towards an evolutionary perspective on the enclave economy*.
11:05 Andrew Jones*, City University London, *The Global Asset Management Industry and China: the impact of foreign firms on local practices and institutional context*.
 Discussant(s): Neil M. Coe, University of Manchester
- 4221. Cartography and GIS: Theory and Application**
Room: San Diego, Westin, Level 2 (Poster Session)
 ORGANIZER(S): Program Committee
 Richard Deal*, Edinboro University of Pennsylvania, *Historical Variation of European-Named Breweries in Pennsylvania*.
 Mamadou Y S Coulibaly*, University of Wisconsin Oshkosh; Jennifer Haegele, Southern Illinois University at Carbondale; Adam Dorn, City of Oshkosh, Information Technology Division, *Rectification and*

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Orthorectification of Oblique Aerial Flood Photos taken with a Conventional Camera: feasibility and issues.

Michelle Ritchie*, *Living in the Desert: Visualizing Food Access through Critical Cartography.*

Haydn Lawrence, BCS, MSc (Candidate)*, Wilfrid Laurier University; Colin Robertson, PhD, Wilfrid Laurier University; Robert McLeman, PhD, Wilfrid Laurier University, *Rapid development of VGI-based citizen science: Analysis of an early stage system.*

You Wan, Ph. D*, Wuhan University in China; Beibei Ai, B. Sc, Wuhan University in China; Wenhua Zhao, B. Sc, Wuhan University in China; Qing Liu, B. Sc, Wuhan University in China; Haiqi Xu, B. Sc, Wuhan University in China; Wei Ding, B. Sc, Wuhan University in China; Lin Li, Prof., Wuhan University in China, *The spatio-temporal association rule mining research on the extreme temperature events in China during 1961~2005.*

Chao Chen*, University of South Carolina; Diansheng Guo, University of South Carolina, *Mining Social Media Data to Design Personalized Tour Guide.*

Lance M. Lambert*, Southern Connecticut State University, *Viticultural Site Suitability of Connecticut.*

Krystal Lee Gagnon*, Keene State College- Department of Geography, *Healthiest Community Initiative/ Vision 2020: Cheshire County, NH.*

Joshua T Jones*, Western Washington University, *Geovisualization for Understanding Environmental Change in the Lake Whatcom Watershed in Whatcom County, Washington.*

W. Andrew Marcus*, University of Oregon; James E. Meacham, University of Oregon; Ann W. Rodman, Yellowstone National Park; Alethea Y. Steingisser, University of Oregon, *Creating the Atlas of Yellowstone.*

Taylor L Steele*, Central Washington University; Dr. Robert Hickey, Geography Department Faculty, Central Washington University; Matthew Anderson, Facilities Director, Kittitas Valley Event Center; Jeffrey A. Watson, Planner II, Kittitas County Public Works Department; Brian Lenz, Community Relations Manager, Puget Sound Energy, *Land Management with Multiple Stakeholders: The Kittitas Valley Event Center Example.*

Heather Rios*, Bridgewater State University, *Bristol County, Is Cancer Lurking Next Door?.*

Theresa C. Suarez, Ph.D.*, California State University San Marcos, *Visualizing Empire and Militarism in the Pacific: Teaching with Geospatial Technology.*

Ben Gultch*, University of Wisconsin-Platteville; Rex Rowley, University of Wisconsin-Platteville; J Elmo Rawling, University of Wisconsin-Platteville; John W Attig, Wisconsin Geological and Natural History Survey; M Carol McCartney, Wisconsin Geological and Natural History Survey, *Interactive, GIS-based App and Map of Devil's Lake State Park, Wisconsin.*

David Spencer*, Kansas State University; David Haukos, Kansas State University, *Lesser Prairie-Chicken Response to USDA Conservation Practices in Kansas.*

Tesfay Russell*, University of Northern Iowa Department of Geography; Andrey N Petrov, University of Northern Iowa Department of Geography, *Understanding Spatial Factors of Wind Turbine Productivity and Efficiency: An Iowa Case Study.*

David A. Parr*, Texas State University-San Marcos, *The Characteristics and Data Quality of OpenStreetMap Contributors.*

Elisha Jasper Dung*, Dept. of Humanities, Alabama State University, Montgomery, AL 36104, *Estimating Potential Carbon Sequestration In Conservation Reserve Program (Crp) Tracts In The Central High*

Plains of The United States.

Jorge E. Zambrana*, University of Puerto Rico Rio Piedras Campus, Department of Geography, *Spatial Analysis of Flood Zones in Ponce, Puerto Rico.*

Anna Loraine A Escobedo, MPH*, University of Southern California, Keck School of Medicine, Department of Preventive Medicine; Ashley Crew, MD, Los Angeles County - University of Southern California, Department of Dermatology; Myles G Cockburn, PhD, University of Southern California, Keck School of Medicine, Department of Preventive Medicine, *Effects of clinic characteristics and proximity to dermatology clinics on melanoma stage and tumor thickness.*

Alicia E Gray*, University of North Texas, *Linking Geographic Information Systems and Cost Benefit Analysis to Aid Land Management Decisions Related to Eco-Labeled Viticulture..*

Kathryn Alftine, PhD*, Southern Oregon University, *Identifying areas of potential oak habitat destruction due to vineyard expansion in the Umpqua Valley, Oregon.*

Corey Rovzar, M.A. *, University of California, Los Angeles (UCLA) Department of Geography; Thomas W Gillespie, PhD, University of California, Los Angeles (UCLA) Department of Geography, *Modeling the potential distribution of endangered, endemic Hibiscus brackenridgei on Oahu to assess the impacts of climate change and prioritize conservation efforts.*

Daniel Wilde*, Bridgewater State University; Daniel Wilde, Bridgewater State University, *Predictive Mapping Use For Undiscovered Archaeological Sites.*

John Carroll*, California State University - Fullerton; Jindong Wu, California State University-Fullerton; Michael Shensky, California State University-Fullerton; Kelly Fair, California State University-Fullerton; Scott Fretwell, California State University-Fullerton, *Mapping Campus Trees.*

Jana C Brady*, *Uncovering Archaic New Haven: A GIS Analysis of a Paleo-Indian Weapons Factory.*

Stacy L Ames*, Bridgewater State University, *Assessing impact of droughts on economic indicators using South Eastern United States as a case study.*

Malinda Maynor Lowery, Associate Professor of History*, UNC-Chapel Hill, *Native American Migration and Coalescence: The Lumbee Indians of North Carolina.*

4222. Race, Ethnicity and Place in "Post Urban" America: Continuing the San Juan Discussion (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)

Room: San Francisco, Westin, Level 2 (Panel Session)

ORGANIZER(S): Rickie Sanders, Temple University; Lawrence Brown, Ohio State University

CHAIR(S): Rickie Sanders, Temple University

Panelists: Lawrence Brown, Ohio State University; Patricia Price, Florida International Univ.; Derek H Alderman, University of Tennessee; David Padgett, Tennessee State

4223. Demography and Settlements

Room: San Jose, Westin, Level 2 (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): David J Maloney, Concordia University

10:00 Justyna Goworowska, U.S. Census Bureau; Steven G Wilson, U.S. Census Bureau; Thomas Fischetti*, U.S. Census Bureau, *Is Your County Metropolitan? A Flow Chart Guide to Core Based Statistical Areas.*

10:05 Guoxia Wang*, *Migration and City Size: Evidence from China.*

10:10 John Steven Noronha, MSc*, Ifakara Health Institute; Almamy Malick Kante, PhD, Columbia University; Honorati Masanja, PhD, Ifakara Health Institute, Dar es Salaam, Tanzania; Rose Nathan, PhD, Ifakara

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Health Institute, Dar es Salaam, Tanzania; Francis Levira, Ifakara Health Institute, Dar es Salaam, Tanzania; Ahmed Hingora, Ifakara Health Institute, Dar es Salaam, Tanzania; James F Phillips, Mailman School of Public Health, Columbia University, New York, USA, *Geographical disparities of cause-specific under-five mortality rates from 2007 to 2010 in Rufiji District, Tanzania.*

10:15 Ruisuo Wang*, Binghamton University, *An Accuracy Assessment of Population Estimates Derived from the Census relative to Estimates from Multi-source spatial data.*

10:20 Melanie Keil*, University of Salzburg, *The impact of migration on demography in rural areas.*

10:25 Latisha T. Williams*, *Green Cities: Urban Greenspaces in Binghamton, NY.*

10:30 Mei-Tzu Pan*, National Taiwan Normal University; Sheng-Chin Lin, National Taiwan Normal University, *The Development of Sugar-Industry Induced Settlements at Lin-Bian River Alluvial Fan in Taiwan (1921-2011).*

10:35 Shougeng Hu*, China University of Geosciences, *Charactering and modeling urban residential land price using fractal and multifractal methods.*

10:40 Luisa Rossini, Phd student in Urban and Regional Planning*, University of Palermo, *"Reclaim" the right to the city happiness.*

10:45 David J Maloney*, Concordia University, *Impact of Gentrification on Neighbourhood Racial & Linguistic Diversity, and Immigrant Concentrations in Montreal.*

4224. Geography of Wine -- New World 2 (Sponsored by Wine Specialty Group)

Room: Avalon, Westin, Level 3 (Paper Session)

ORGANIZER(S): Juana Ibáñez, University of New Orleans

CHAIR(S): Scott Burns, Portland State University

10:00 Jared Whear*, Humboldt State University; Matthew Derrick, PhD, Humboldt State University, *From Timber to Terroir: New Regionalism in Southern Oregon Wine Country.*

10:20 Bradley Christensen*, UC Davis, *The Industrial Structure of Winemaking in Napa Valley.*

10:40 Douglas Wood*, Oregon State University, *How well do American Viticultural Areas correspond with the soil classes in Oregon's northern Willamette Valley: a question for the wine industry.*

11:00 Jennifer Helzer*, California State University; Peggy Hauselt*, CSU Stanislaus, *Judgment at Stanislaus - Putting Old Curriculum in a New Bottle.*

11:20 Scott Burns*, Portland State University; Katherine Cole, Oregonian Newspaper, *Seven Factors of Wine Terroir - The Winemaker Just Might Be the Most Important: Case History from the Cube Project in Oregon and California.*

4225. Cognition, Behavior, and Representation II (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)

Room: Emerald Bay, Westin, Level 3 (Paper Session)

ORGANIZER(S): Sarah Battersby, University of South Carolina; Sara Irina Fabrikant, University of Zurich

CHAIR(S): Scott Bell, University of Saskatchewan

10:00 Kirk Goldsberry*, Harvard University, *Space-Time Graphics.*

10:20 Alan F Halfen, Ph.D.*, University of Kansas; Stephanie Kozak, University of Kansas; Terry Slocum, Ph.D., University of Kansas, *Large-screen-format televisions as an alternative 3-D display for teaching introductory physical geography.*

10:40 Nicholas Perdue*, University of Oregon; Amy Lobben,

University of Oregon, *Testing a Geospatial Thinking Framework.*

11:00 Raechel A Bianchetti*, The Pennsylvania State University, *The role of psychology in early texts on aerial photograph interpretation.*

11:20 Bob Kolvoord*, James Madison University; David Uttal, Northwestern University; Erin Wilkerson, Northwestern University, *What Impacts Does GIS Use Have on Students' Spatial Thinking Skills.*

4226. Geography Towards Revolution: For Neil Smith VI: Remembering Neil (and Blaut Award) (Sponsored by Socialist and Critical Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)

Room: Hollywood Ballroom, Westin, Level 3 (Panel Session)

ORGANIZER(S): Don Mitchell, Syracuse University; Brent McCusker, West Virginia University

CHAIR(S): Don Mitchell, Syracuse University

Introducer: Don Mitchell

Introducer: Brent McCusker

Discussant(s): Sallie Marston, University of Arizona

Panelists: Joe Doherty, University of St Andrews; Deborah Cowen, University of Toronto; John Paul Jones, University of Arizona

4227. Access to Health Services: Comparisons Across Places (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica A, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): Harvey Miller, University of Utah

10:00 Petra Norlund, M.S.*, CU at Boulder; Lena Norlund, M.D., PhD, Norrbottens läns landsting; Gunnar Nordin, M.D., Equalis; Maria Rotzen Östlund, M.D., PhD, Karolinska Universitetssjukhuset; Helina Hansson, M.D., Vårdcentralen Aleris Medilab; Staffan Nilsson, M.D., Vårdcentralen Vikbolandet; Pia Karlsson, Ryhovs sjukhus; Carita Krook Persson, Equalis; Katarina Skov-Poulsen, Växjö sjukhus; Harriet Liljenbring, Unilabs, Mälarsjukhuset, *A survey of laboratory analyses performed primary health care in Sweden.*

10:20 Joseph M Simanis*, University of Illinois Urbana-Champaign, *Location Decisions of Primary Care Physicians in the Chicago Region: 2000-2008.*

10:40 Lan Mu*, University of Georgia, *A GIS Perspective on Local Health Infrastructure: Spatial Configuration and Variation of Health Districting in the U.S..*

11:00 Paul L Delamater*, Michigan State University, *The effects of potential spatial access to health care services on realized patterns of utilization.*

11:20 Sean C. Finnegan, MS*, American Academy of Family Physicians; Jennifer L Rankin, PhD, MHA, MPH, American Academy of Family Physicians; Andrew Bazemore, MD, MPH, American Academy of Family Physicians; Mark Carrozza, MA, HealthLandscape LLC; Jené Grandmont, MA, HealthLandscape LLC, *Online GIS Mapping Platforms for Health Care Services: How Are Federally Funded Health Centers Serving Populations in Need?.*

4228. GPS/GIS and Space-Time Analysis for Health Research (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica B, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): Jie Tian, Clark University

10:00 Naresh Kumar*, University of Miami, *Personal Real-time Exposure using Cell-phone Integrated Spatial Environmental dataset.*

10:20 Neng Wan*, University of Nebraska Medical Center;

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Ge Lin, University of Nebraska Medical Center, *Classifying Smartphone Collected GPS Data for Environment-health Studies*.

- 10:40** Jeffrey S. Sledge, PhD*, UW-Madison; Stephen J. Ventura, PhD, UW-Madison, *A System and Method for Designing Place Based Individualized Dynamic Health Interventions*.

- 11:00** Linda Blade*, University of Liverpool; Chris Brunsdon, University of Liverpool, *Space Time Data Mining of Reporting of Injuries, Diseases and Dangerous Occurrences Regulations Data*.

- 11:20** Jie Tian*, IDCE Department, Clark University; Wei Tu, Department of Geology and Geography, Georgia Southern University; Stuart Tedders, Jiann-Ping Hsu College of Public Health, Georgia Southern University; Dongmei Chen, Department of Geography, Queen's University, *Investigating the spatial dynamics of low birth weight prevalence over a decade in Georgia, USA*.

4229. Geographies of HIV/AIDS: Prevalence, Treatment, and Risk (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica C, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health
CHAIR(S): Kimberly Brouwer, University of California at San Diego

- 10:00** Nirav Nikunj Patel, M.S. Candidate*, University of Florida, *Examining Metropolitan Accessibility to HIV and TB Treatment Facilities in Ahmedabad, India*.

- 10:20** Renata C Ponte*, University of Texas at Austin, *Brazil's HIV/AIDS Model: Is It Working Fortaleza? - Spatial Analysis of HIV/AIDS*.

- 10:40** Caleb Parker, MA*, FHI 360; Elizabeth Costenbader, PhD, FHI 360; Steve Sortijas, MA, FHI 360; Erasmus Mndeme, PhD, Muhimbili University of Health and Allied Sciences; Richard Rothenberg, MD, MPH, Georgia State University; Donna Smith, Georgia State University, *Participatory Mapping Research Approach for Uncovering Hidden Communities at Risk of HIV*.

- 11:00** Nathan Heard*, U.S. Department of State; Christine Fellenz, U.S. Department of State, *Ethiopia: Three Ways of Looking at HIV Distribution*.

- 11:20** Anna Joo Kim, Ph.D.*, Pomona College; Lois Takahashi, Ph.D., University of California, Los Angeles (UCLA); Jury Candelario, Asian Pacific Aids Intervention Team, *Gender, health, and informal economies: an exploration of the geography of immigrant women and sex work in Southern California*.

4230. Climate Literacy 2: Teaching climate change in the college classroom (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: Santa Monica D, Westin, Level 3 (Panel Session)

ORGANIZER(S): Dan Bedford, Weber State University
CHAIR(S): Dan Bedford, Weber State University
Panelists: Douglas E Heath, Northampton Community College; Robert Christopherson, American River College; Jacqueline Shinker, University of Wyoming; Catherine Gautier-Downes, UCSB

4234. Case Studies of Environment, Health and Policy in Africa II (Sponsored by Africa Specialty Group)

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Jenna Dixon
CHAIR(S): Jenna Dixon
10:00 Hunter Sean Edward Bradley*, Macalester College, *Food, Safety and the Geographical Fix: How the Rise of a Chinese Consumer Class Shapes Sub-Saharan African Food Security*.

- 10:20** Naomi Shanguhya*, SUNY College at Oneonta, *Interrogating Competing Narratives of Landscape Change: The Case of Forest Loss and Reforestation efforts on the Maragoli Hills in Western Kenya*.

- 10:40** Kamal Alsharif*, University of South Florida; Maria Booker, M.A., University of South Florida, School of Global Sustainability, *A comparison of solid waste infrastructure and reported cases of malaria among three communities in Accra, Ghana*.

- 11:00** Andrea Rishworth*, University of Western Ontario; Jenna Dixon, University of Western Ontario; Paul Mkandawire, Carlton University; Isaac Luginaah, University of Western Ontario, *Do Maternal Exemption Programs within Ghana's NHIS Remove Barriers to Health Care for the Rural Poor?*.

- 11:20** Jenna Dixon*, The University of Western Ontario; Paul Mkandawire, Carlton University; Isaac Luginaah, PhD, The University of Western Ontario, *Does Wealth Influence Enrolment Status? A Study of the National Health Insurance Scheme in Ghana's Upper West Region*.

4235. Geography, Social Media and Distance Learning: Integrating Individual Nodes into a Networked Classroom (Sponsored by Geography Education Specialty Group, Community College Affinity Group)

Room: Laguna Parlor 3028, Westin, 30th Floor (Panel Session)

ORGANIZER(S): Kalli Doubleday; Sarah Goggin
CHAIR(S): Kalli Doubleday
Panelists: Patrick Kennelly, LIU Post; Sarah Goggin; Darren Ruddell, University of Southern California; Jianhong Xia, Curtin University; Jeremy Brigham, Kirkwood Community College

4236. Between the Punitive and the Supportive II: Urban Social Policy's 'Messy Middle Ground'

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Joshua Evans, Athabasca University; Geoffrey DeVerteuil, University of Southampton
CHAIR(S): Gordon MacLeod, University of Durham
10:00 Geoffrey DeVerteuil, PhD*, University of Southampton, *Punitive, supportive or co-existing? Mapping inner-city policy currents and outcomes in London, Los Angeles and Sydney*.

- 10:20** Barbara Schoenig*, Bauhaus University Weimar, *Urban development and housing shortage in postfordist German metropolitan areas*.

- 10:40** Ian R Cook*, Northumbria University, *Revanchism, welfare, education? The messy geographies of Kerb Crawling Education Programmes*.

- 11:00** Simon F Parker, Ph.D.*, University of York, UK, *Re-balancing for what? Re-balancing for whom? The uneven geographies of urban policy in post-crash Britain*.

Discussant(s): Fairbanks II Robert, University of Chicago

4237. Social Justice and the Marvelous City: World Cup, Olympics and Dispossession in Rio de Janeiro (part 2) (Sponsored by Latin America Specialty Group, Global Urbanization, Urban Geography Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)

ORGANIZER(S): James Freeman, Concordia University; Christopher Gaffney, Universidade Federal Fluminense
CHAIR(S): Christopher Gaffney, Universidade Federal Fluminense

- 10:00** Grasielle Márcia Magri Grossi, Architect and Urbanist*, *Programa de Pós-Graduação em Arquitetura e Urbanismo da Universidade Federal Fluminense, The Urban Remodeling of Rio de Janeiro: from policies of beautification to the construction of a state of exception*.

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- 10:20** Marianna Olinger*, Observatório das Metrópoles, *The favela in the city-commodity: deconstruction of a social question.*
- 10:40** Erick Silva Omena De Melo, Researcher*, UFRJ/IPPUR/Observatório das Metrópoles, *Changes and continuities on Brazilian Urban Governance.*
- 11:00** Demian Garcia Castro*, PPGeo (UERJ) / Observatório das Metrópoles (IPPUR-UFRJ), *The Olympic project for Rio de Janeiro: mercantilization of urban space, accumulation by dispossession and uneven development.*
- Discussant(s): Scott Salmon, New School University
- 4238. Livelihood of migrant workers in Chinese cities: II (Sponsored by China Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group, Symposium on New Geographies of Urban China)**
- Room:** Laguna Parlor 3064, Westin, 30th Floor (Paper Session)
- ORGANIZER(S): Wei Xu, University of Lethbridge
- CHAIR(S): Jia Feng, Michigan State University
- 10:00** Banggu Liao*, Shanghai Normal University, George Mason University; David W.S. Wong, George Mason University, *Spatial and temporal changes of floating population distributions in Shanghai, China between 2000 and 2010.*
- 10:20** Bin Liang*, Department of Family and Consumer Studies, University of Utah; Zhou Yu, Department of Family and Consumer Studies, University of Utah, *Migrant Housing in Transitional China, 2000-2005.*
- 10:40** Sainan Lin*, University of Massachusetts, Amherst, *Migration, Urban Form and Transformation in Chinese City: Wenzhou Revisited.*
- 11:00** Yanning Wei*, University of Washington, *Hukou and Spaces of Poverty in China.*
- 11:20** Jia Feng*, Michigan State University, *Developing Recycling Enclaves in Beijing: The Emergence of Henancun in the Past 30 Years.*
- 4239. The cross-border metropolis in a globalizing era: emerging discourses - Session II**
- Room:** Laguna Parlor 3068, Westin, 30th Floor (Paper Session)
- ORGANIZER(S): Christophe SOHN, CEPS/Instead
- CHAIR(S): Christophe SOHN, CEPS/Instead
- 10:00** Patrick H Buckley, Assoc. Prof.*, Western Washington University; John Belec, PhD, University of the Fraser Valley, *International Mobility and Trade Corridor (IMTC) Project: a Model for Cross Border Trade Integration and Cooperation.*
- 10:20** Frédéric Durand*, CEPS/INSTEAD, *Cross-border metropolitan governance networks: a changing centrality of state power?.*
- 10:40** Francisco Lara-Valencia*, Arizona State University, *Planning and adapting the transborder metropolis to climate change: discourse, practice and the imagined fix.*
- 11:00** Maria Teresa Vazquez Castillo*, Universidad Autonoma de Ciudad Juarez, *The most dangerous city in the world next to the safest city in the U.S.?: Exploring Ciudad Juárez, Mexico and El Paso, Texas.*
- Discussant(s): Christophe SOHN, CEPS/Instead
- 4240. The patterns of regional development: On the role of institutions, policies and learning II**
- Room:** Malibu Parlor 3018, Westin, 30th Floor (Paper Session)
- ORGANIZER(S): Elena Zukauskaitė, Circle, Lund University
- CHAIR(S): Elena Zukauskaitė, Circle, Lund University
- 10:00** Jae Hong Kim*, University of California, Irvine, *The Geography of Political Fragmentation: Identifying Institutional Contexts for Policy Analysis.*
- 10:20** Glen Norcliffe, Dr*, York University; Derrek Eberts, Dr, Department of Geography, Brandon University, Manitoba; Boyang Gao, Dr, Central University of Finance and Economics, Beijing, *The Governance of Neo-Artisanal production in Canada, China and Germany.*
- 10:40** Philip A Cavin*, University of Northern Iowa, *Creative Heartland: Creative Capital and Knowledge Economy in Micropolitan Midwest.*
- 11:00** Shih-Ying Tsai*, National Taipei University, Taiwan; Tsu-Lung Chou, National Taipei University, Taiwan, *Construction of Urban Regional Development in Taiwan, A comparative analysis of urban development in Taipei and Kaohsiung..*
- 11:20** Liang-Chih Chen*, National Taiwan University; Ching-Wan Huang, National Taiwan University; Yin-Wei Huang, National Taiwan University; Han-Chang, Liao, National Taiwan University; Cheng-Yu Young, National Taiwan University, *New wine in new bottles: The technological learning of Taiwan's newly-emerged private liquor-makers.*
- 4241. Soy Production in South America (2): Globalization, Regionalization, and new Agro-Industrial Landscapes (Sponsored by Latin America Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**
- Room:** Malibu Parlor 3038, Westin, 30th Floor (Paper Session)
- ORGANIZER(S): Gustavo Oliveira, University of California at Berkeley; Susanna Hecht, University of California Los Angeles
- CHAIR(S): Susanna Hecht, University of California Los Angeles
- Introducer: Jennifer Tucker
- 10:20** Joel E Correia*, University of Colorado Boulder, *Soy State: Land control, Agrarian Capital, and Resistance in Paraguay.*
- 10:40** Andrew Ofstehage*, University of North Carolina at Chapel Hill, *Farming is Easy, Becoming Brazilian is Hard: The Emergence of a North American Farming Life-sphere in Soylandia.*
- 11:00** Gustavo Oliveira*, University of California at Berkeley, *The Geopolitics of Brazilian Soybeans.*
- Discussant(s): Susanna Hecht, University of California Los Angeles
- 4242. Indigenous Uses of Geospatial Technologies: Past, Present, and Future (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group, Indigenous Peoples Specialty Group)**
- Room:** Malibu Parlor 3058, Westin, 30th Floor (Paper Session)
- ORGANIZER(S): Mark Palmer, University of Missouri-Columbia
- CHAIR(S): Mark Palmer, University of Missouri-Columbia
- 10:00** Mark Palmer*, University of Missouri-Columbia; Mark Palmer, PhD, University of Missouri - Columbia, *GIS, Internal Colonialism, and the U.S. Bureau of Indian Affairs.*
- 10:20** Laura Harjo, Ph.D.*, University of New Mexico, *Mapping and Social Media: Community Organizing and Base Building in the Indigenous Peoples' Movement..*
- 10:40** Sharai Lewis-Gruss*, Hunter College, *Public Participatory GIS and REDD+: helping or hurting indigenous peoples in developing nations?.*
- 11:00** Michael Dunaway*, University of Kansas, *A New Harvest: Mapping Renewable Energy Resources on Native American Reservations.*
- 4243. Bridging the Community College - University Articulation Gap: Best Practices in Curriculum Development and Articulation (Sponsored by Community College Affinity Group)**
- Room:** Malibu Parlor 3078, Westin, 30th Floor (Panel Session)
- ORGANIZER(S): Kerry Lyste, Everett Community College

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CHAIR(S): Lorene Yokoyama Becker, Oregon State University
 Discussant(s): Ann Johnson, GeoTech Center; Kerry Lyste, Everett Community College; Jerome E. Dobson, University of Kansas; Sarah Bednarz, Texas A&M University; Heather R Houlton, American Geosciences Institute

4244. Air Traffic Networks (Sponsored by Transportation Geography Specialty Group)

Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Yongha Park, Dept. of Geography in Ohio State University

10:00 Yongha Park*, Dept. of Geography in Ohio State University, *Analyzing OD Flow Pattern of Air Traffic from Link Basis Count Data: An Application in terms of Hub-and-Spoke System.*

10:20 Kunlei Ma*, University of Cincinnati, *Contemporary Spatio-temporal Fluctuations in Chinese Airport Hierarchies.*

10:40 Tommi Inkinen*, University of Helsinki; Markus Pyyhtiä, University of Helsinki, *Modelling intercontinental air passenger flows from Northern Europe.*

11:00 Chin-Yao Fu*; Jen-Jia Lin, *Using time-dependent airline networks to assess the competitiveness of East Asian hub airports.*

4245. The Rewards and Challenges of Conducting Research in Palestine (Sponsored by Qualitative Research Specialty Group, Middle East Specialty Group, Ethnic Geography Specialty Group)

Room: Malibu Parlor 3138, Westin, 31st Floor (Panel Session)

ORGANIZER(S): Susan Hume, Southern Illinois University Edwardsville

CHAIR(S): Susan Hume, Southern Illinois University Edwardsville

Panelists: Lisa Bhungalia, Syracuse University; David J Marshall, University of Kentucky; Natalie K Jensen, Augusta State University; Gary Fields, University of California - San Diego

4246. Cultural Landscapes and Social Spaces

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Muharem Cerabregu, Univ of Prishtina

10:00 Alisha Y Jimenez, BS*, Texas State University, *Alcohol Billboards in San Antonio, Texas: A Preliminary Study.*

10:20 Jeffrey Gordon*, Bowling Green State U., *A Plea for the Inclusion of the Common and Utilitarian in Cultural Landscape Preservation.*

10:40 Sherri Sheu*, The University of Texas at Austin, *The Stone Mountain Lasershow and New Southern Memory.*

11:00 Muharem Cerabregu*, Univ of Prishtina; Muharem Cerabregu, University of Prishtina, *Mountain Names Analysis of the Illyrian Peninsula.*

4247. Health

Room: Malibu Parlor 3178, Westin, 31st Floor (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kelly Woltman, Ontario Renal Network @ Cancer Care Ontario

10:00 Xi Gong*, Texas State University-San Marcos; Benjamin F. Zhan, Texas State University-San Marcos, *Health Risk Assessment of TRI Toxic Air Pollutants in Texas from 1996 to 2008.*

10:05 Ryan L Perroy*, University of Wisconsin-La Crosse; Fatbardh L Sallaku, PhD, Agricultural University of Tirana; Odeta Tota, M.S., Agricultural University of Tirana, *The effects of heavy metal soil pollution on garden produce in Elbasan, Albania.*

10:10 Samuel Asiedu Owusu*, University of Cape Coast, *Over my dead body: Manifestations of stigmatisation and discrimination against PLHIVs by children in the Cape Coast Metropolis of Ghana.*

10:15 Audra El Vilaly*, The University of Arizona, *Geographies of everyday trauma: a critical methodological practice.*

10:20 Hayden Lowenstein, MD, University of California, San Diego; Davey M Smith, Professor, University of California, San Diego; Susan Little, Professor, University of California, San Diego; Joel Wertheim, PhD, University of California, San Diego; Sergei Pond, Associate Professor, University of California, San Diego; Sanjay Mehta, Assistant Professor*, University of California, San Diego, *Spatial Distribution of the HIV Transmission Network in San Diego, California.*

10:25 Elizabeth Weaver, MAJ*, United States Military Academy, West Point, *"It's Like Fighting the Enemy:" Care for Rural Veterans with PTSD.*

10:30 Kelly Woltman, M.A. *, Ontario Renal Network at Cancer Care Ontario; Graham Woodward, M.Sc., Ontario Renal Network at Cancer Care Ontario; Sarah Bastedo, Ontario Renal Network at Cancer Care Ontario; William Zahn, Ontario Renal Network at Cancer Care Ontario, *Planning for Chronic Kidney Disease in Ontario: Understanding Capacity and Aligning Resources.*

4250. Port Cityscapes: Dynamic Perspectives on the Port-City-Waterfront Interface I (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Transportation Geography Specialty Group)

Room: Angeleno, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Wouter Jacobs, Utrecht University; Anne Wiese, TUM

CHAIR(S): Wouter Jacobs, Utrecht University

10:00 Anne Taufen Wessells*, University of Washington Tacoma, *The Working Waterfront as Enacted Assemblage: Urban Blue Space in Tacoma, WA.*

10:15 Hemalata Dandekar*, City and Regional Planning; Hemalata C Dandekar, Ph.D., City and Regional Planning, Cal Poly San Luis Obispo; Sulakshana Mahajan, Mumbai Transformation Support Unit, *Colonial to Global Port City: Dilemma of Transition in Mumbai.*

10:30 Brian Doucet, PhD*, Utrecht University, *Urban strategy, urban solution?: Visions of a gentrified waterfront in Rotterdam and Glasgow.*

10:45 Indra Vonck*, ITMMA university of Antwerp; Theo Notteboom, ITMMA university of Antwerp, *Port expansion within highly congested hinterlands.*

11:00 Soledad Garcia Ferrari, Dr*, Edinburgh University, *A new institutionalist approach to understanding waterfront development in port cities: an analytical framework and its application to cases from Europe and Latin America.*

Discussant(s): Markus Hesse, University of Luxembourg

4251. The need for and proposed development of a database of global urban characteristics for use in climate modeling (Sponsored by Climate Specialty Group)

Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Johannes Feddema, University of Kansas; Gerald Mills

CHAIR(S): Johannes Feddema, University of Kansas

10:00 Johannes Feddema*, University of Kansas; Keith Oleson, National Center for Atmospheric Research, *Developing a global urban dataset for climate modeling.*

10:20 Weibo Liu*, Department of Geography, University of Kansas; Johannes J. Feddema, Department of Geography, University of Kansas; Ashley Zung, Department of Geography, University of Kansas;

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Leiqiu Hu, Department of Geography, University of Kansas; Nathaniel Brunsell, Department of Geography, University of Kansas, *Effect of urban morphology and thermal properties on heat island intensity.*

10:40 Gerald Mills*, UCD, Dublin, *A global database suitable for urban-scale climate studies.*

11:00 Linda Maria See, PhD*, IIASA; Steffen Fritz, PhD, IIASA; Christoph Perger, University of Applied Sciences, Wiener Neustadt; Christian Schill, University of Freiburg; Ian McCallum, IIASA; Dmitry Schepaschenko, IIASA; Franziska Albrecht, IIASA; Michael Obersteiner, IIASA, *Using Geo-Wiki Tools to Crowdsourc Urban Extent and Properties Relevant to Climate Modelling.*

Discussant(s): Anthony Brazel, Arizona State University; Linda O. Mearns, National Center for Atmos. Research

4252. Geographical Perspectives of Environmental Politics II

Room: Grand Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Katherine MacDonald, York University; Sara L. Jackson, York University

CHAIR(S): Sara L. Jackson, York University

10:00 Ryan Hackett*, York University, *Market-based environmental governance and public resources in Alberta, Canada.*

10:20 Lanna Giauque*, University of Denver, *"Conservation" in a complex world: what does it mean, how is it used, and why should we care?.*

10:40 Keith Andrew Bettinger*, University of Hawaii, *Decentralizing Geography: Reterritorializing, Rescaling, and Remapping at Indonesia's Kerinci Seblat National Park.*

11:00 Nick Gonsalves*, University of Georgia Geography, *The Political Ecology of Climate Adaptation Planning in New York City.*

Discussant(s): Anne Short, Boston University

4253. Advances in Remote Sensing and Modeling of the Cryosphere (Sponsored by Cryosphere Specialty Group)

Room: Grand Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Joni Kincaid, Texas A&M University; Iliyana Dobрева, Texas A&M University

CHAIR(S): Iliyana Dobрева, Texas A&M University

10:00 Catalina Oaida*, Atmospheric and Oceanic Sciences, University of California, Los Angeles (UCLA); Yongkang Xue, Department of Geography, University of California, Los Angeles (UCLA); Thomas H. Painter, JPL, University of California, Los Angeles (UCLA); Mark Flanner, AOSS University of Michigan; Fernando De Sales, Department of Geography, University of California, Los Angeles (UCLA), *Assessing the Effects of Dust Loading of Snow on Regional Hydroclimatology Using an Improved Regional Climate Model.*

10:20 Shujie Wang*, University of Cincinnati; Hongxing Liu, University of Cincinnati; Xia Li, Sun Yat-sen University; Lei Wang, Louisiana State University, *Analysis of Ice flow velocity variations on the Antarctic Peninsula during 1986-2012 based on multi-sensor remote sensing image time series.*

10:40 Joni Kincaid*, Texas A&M University; Andrew G. Klein, Texas A&M University; Iliyana D. Dobрева, Texas A&M University, *Tropical Andean glacial water resources quantified using volume-area scaling.*

11:00 Iliyana D. Dobрева*, Texas A&M University; Andrew G. Klein, Texas A&M University; Michael P. Bishop, Texas A&M University, *Albedo variations over Andean tropical glaciers during simulated ENSO events.*

4254. Teaching Political Ecology (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Nurcan Atalan-Helicke, Skidmore College
CHAIR(S): Gregory Simon, University of Colorado Denver

Panelists: Nurcan Atalan-Helicke, Skidmore College; Patrick Hurley, Ursinus College; Noëlle Boucquey, Duke University; Dustin Mulvaney, San Jose State University; Farhana Sultana, Syracuse University

4255. Climate Change, Hydrology, and Landscapes of America's Heartland: A coupled natural and human system (Sponsored by Water Resources Specialty Group, Geographies of Food and Agriculture Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Christopher Lant, Southern Illinois University
CHAIR(S): Christopher Lant, Southern Illinois University

10:00 Christopher L Lant*, Southern Illinois University, *Assessing the Impact of Climate Change on Ecosystem Services from Midwestern Watersheds.*

10:20 Justin Schoof*, Southern Illinois University, *Multivariate Downscaling of CMIP5 Projections for the Central United States: Overview of Results and Assessment of Value Added.*

10:40 Tim Stoebner*, Southern Illinois University, *Predicting Climate Change and Policy Influences on Future Agricultural Landscapes of the American Heartland.*

11:00 Awoke Teshager*, Environmental Resources & Policy; Silvia Secchi, Dr., Environmental Resources & Policy; Girmaye Misgna, Environmental Resources & Policy; Justin Schoof, Dr., Environmental Resources & Policy, *Modeling Agricultural Watersheds with the Soil and Water Assessment Tool (SWAT): Data Challenges and Issues.*

11:20 Blanca Perez-Lapena*, Southern Illinois University Carbondale; Silvia Secchi, Southern Illinois University Carbondale; Sethuram Soman, Dickinson State University; Steven E. Kraft, Southern Illinois University Carbondale; Girmay Misgna, Southern Illinois University Carbondale; Christopher Lant, Southern Illinois University Carbondale, *Agent-based models to assess the impact of climate change on agricultural landscapes in America's Heartland.*

4256. Peter Wood: Service Industry Research Pioneer (Sponsored by Economic Geography Specialty Group)

Room: Highland, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): William Beyers, University of Washington

CHAIR(S): William Beyers, University of Washington

Panelists: William Beyers, University of Washington; Peter W. Daniels, University of Birmingham; John Bryson, University of Birmingham; Maja Savic, Birkbeck College

4257. Geographies of Peace I (Sponsored by Political Geography Specialty Group, Asian Geography Specialty Group)

Room: Hollywood, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Amy Ross, University of Georgia, Athens;

Elizabeth A. Oglesby, University of Arizona

CHAIR(S): Amy Ross, University of Georgia, Athens

10:00 Melanie A Barron*, University of Tennessee, *Defining Truth, Justice, and Community through Grassroots Restorative Justice Initiatives: A Case in Boston, MA.*

10:15 Jenna Christian*, The Pennsylvania State University, *Postwar transformations and the work of peace in Liberia.*

10:30 Sonja Klinsky*, University of Cambridge, *Where to From Here? Evaluating peacemaking strategies in the international climate change policy arena.*

10:45 Azita Ranjbar*, Penn State University, *Revolutionizing*

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War Museums for Peace: Memories of Revolution in Iran.

- 11:00** Anthony W. Fontes*, UC Berkeley Geography, *Liminal Redemption: Leaving the Gang in Guatemala City.*

4258. Mapping Extractive Industries and Livelihoods II (Sponsored by Geographic Information Science and Systems Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: *Melrose, The LA Hotel, Level 2* (Paper Session)
ORGANIZER(S): John Rogan, Clark University; Nicholas Cuba, Clark University

CHAIR(S): Nicholas Cuba, Clark University

- 10:00** Timothy B. Norris*, University of California Santa Cruz, *Mapping the Great Divide: Mining and Conservation in the Andes.*

- 10:20** Jonna K. Kangasojä*, Aalto University; Kirsi Jansa*, Kirsi Jansa Productions, *Gas Rush Stories - the use of documentary film in the mapping of the impacts of extractive industries on farmers in Pennsylvania.*

- 10:40** Lauren Bonilla*, Clark University; Neeti Neeti, PhD, Boston University; Falguni Patadia, PhD, Morgan State University and NASA/GSFC, *Mapping and Assessing the Impacts of Mining on Dust Production and Livelihood Vulnerability in the Gobi desert, Mongolia.*

- 11:00** Kimberly Pfeifer*, Oxfam America; Keith Slack, Oxfam America, *Mapping the Bigger Picture.*

Discussant(s): Kenneth Young, University of Texas at Austin

4259. Hazards, Risks, and Disasters Specialty Group Session: Risk, Space, and Disease (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: *Olvera, The LA Hotel, Level 2* (Paper Session)
ORGANIZER(S): Ronald R. Hagelman III, Texas State University
CHAIR(S): Ronald R. Hagelman III, Texas State University

- 10:00** DongMei Chen*, Queen's University, *A data mining approach for analyzing the infectious disease risk: a case study of WNV in Ontario.*

- 10:20** Rebecca Richman*, NMSU, *Analysis of the Spatial-Temporal Distribution of the Mosquito Vectors of Sylvatic Dengue and Chikungunya Viruses.*

- 10:40** Cameron Plouffe, MSc Candidate*, Wilfrid Laurier University; Colin Robertson, Ph.D., Wilfrid Laurier University, *Interpolating Rainfall Data for Use in Environmentally-driven Disease Risk Models.*

- 11:00** Ivan J. Ramirez, PhD*, New College of Florida, *Estimating Climate Impacts on Malaria Incidence in Piura, Peru.*

- 11:20** Sophia Giebultowicz, M.A.*, University of North Carolina-Chapel Hill; Michael Emch, PhD, University of North Carolina-Chapel Hill; Douglas Morgan, M.D., University of North Carolina-Chapel Hill, *An Ecological Analysis of Chronic Kidney Disease in Nicaragua.*

4260. Trees in the city 2: policies, people and the extent of the urban forests (Sponsored by Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group)

Room: *Olympic, The LA Hotel, Level 2* (Paper Session)
ORGANIZER(S): Tenley Conway, University of Toronto; Shawn Landry, University of South Florida

CHAIR(S): Shawn Landry, University of South Florida

- 10:00** Adam Berland*, Miami University; Grant Elliott, University of Missouri, *Urban forest diversity and pest vulnerability in a residential landscape.*

- 10:20** Tenley Conway*, University of Toronto, Mississauga, *Willing Partners? Residents' Attitudes Towards Municipal Urban Forest Policies.*

- 10:40** Tooba Shakeel*, University of Toronto; Tenley Conway, University of Toronto, *Who is tending their yard: Property-level correlates of urban tree conditions.*

- 11:00** Dexter H. Locke*, Yale School of Forestry and

Environmental Studies; J. Morgan Grove, PhD, USDA Forest Service Northern Research Station; Christopher G. Boone, PhD, School of Human Evolution & Social Change, School of Sustainability, Arizona State University., *Doing the Hard Work Where It's Easiest? Examining the relationships between urban greening programs and social and ecological characteristics of Baltimore, MD and the District of Columbia..*

- 11:20** Colin Polsky*, Clark University; Morgan Grove, US Forest Service; Chris Knudson, Clark U.; Kelli Larson, Arizona State U.; Laura Ogden, Florida International U.; Rinku Roy Chowdhury, Indiana U., *Lawn Care Practices and Motivations: A Social and Biogeochemical Study of Six U.S. Metropolitan Areas.*

4261. Geographies of Media V: Author Meets Critics - Google and the Culture of Search by Ken Hillis (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: *Pacific Ballroom Salon 1, The LA Hotel, Level 2* (Panel Session)
ORGANIZER(S): Joseph Palis, North Carolina State University;

Paul C. Adams, University of Texas at Austin

CHAIR(S): Altha Cravey, University of North Carolina

Discussant(s): John Finn, Christopher Newport University;

Matthew W. Wilson, University of Kentucky; Ken

Hillis, University of North Carolina - Chapel Hill

Panelists: Craig Dalton, Bloomsburg University of PA; Rob Shields, University of Alberta

4262. 'The New Imperialism' Thesis, Ten Years On 2

Room: *Pacific Ballroom Salon 2, The LA Hotel, Level 2* (Paper Session)
ORGANIZER(S): Patrick Bigger, University of Kentucky; Oliver

Belcher, University of British Columbia

CHAIR(S): Oliver Belcher, University of British Columbia

- 10:00** Patrick Bigger*, University of Kentucky, *Climate change and intra-imperial conflict: The US Navy's biofuel purchasing program.*

- 10:20** Matthew Huber*, Syracuse University, *Beyond the Spigot: Oil, Empire, and the Expanded Reproduction of Capital.*

- 10:40** Michael D. Smith, PhD candidate*, University of British Columbia, *Multilevel imperialism: notes towards a geopolitical economy of the middle power.*

- 11:00** Carolyn Gallaher*, American University, *Insurgency, Crime, or Something Else? Analyzing US attempts to define Drug Trafficking Organizations in Mexico.*

Discussant(s): David Correia, University of New Mexico

4263. Comparative Policy Analysis 2 (Sponsored by Socialist and Critical Geography Specialty Group)

Room: *Pacific Ballroom Salon 3, The LA Hotel, Level 2* (Paper Session)
ORGANIZER(S): Richard Peet, Clark University

CHAIR(S): Richard Peet, Clark University

- 10:00** Alistair Fraser*, National University Ireland Maynooth, *Locating Ireland's crisis: Deepening neoliberalism via 'austerity' and 'reform'.*

- 10:15** Bernd Belina*, Goethe University Frankfurt, *EURO crisis, inter-state rivalries and beyond.*

- 10:30** POLI CORRADO*, Libera Università IULM, *New Constituencies for Social Change.*

- 10:45** Waquar Ahmed*, University of North Texas; Ipsita Chatterjee*, Geography and the Environment, University of Texas at Austin, *Contradictory policies of Neoliberalizing India.*

- 11:00** Costis Hadjimichalis*, Harokopio University, *From Streets and Squares to Radical Political Emancipation? Lessons from Athens during the crisis.*

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4264. **Light, Landscape and Place I: Histories of Light and Dark** Room: *Pico, The LA Hotel, Level 2* (Paper Session)

- ORGANIZER(S): Steve Millington, Manchester Metropolitan University; Tim Edensor, Manchester Metropolitan University
CHAIR(S): Tim Edensor, Manchester Metropolitan University
Introducer: Steve Millington
10:10 Alice Barnaby*, University of Bedfordshire, *In the Night Garden: The Dark Walk at Vauxhall Pleasure Gardens, London.*
10:30 Katharina Krause*, Leibniz Institute for Regional Development and Structural Planning; Ute Hasenöhl, Leibniz Institute for Regional Development and Structural Planning, *Berlin's Contested Nightscapes - Institutionalizing Urban Lighting Practices in Past and Present.*
10:50 Dydia DeLyser*, Louisiana State University, *"Lighting the way: neon, automobility, and the American landscape."*
11:10 Tracey J Potts*, University of Nottingham, UK, *Into the gloom: documentary photography, Blackpool Illuminations and the challenge of the blurred image.*

4270. **Geographies of the Great Plains and Upper Peninsula**

- Room: *Athenian, Biltmore, Mezzanine Level* (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Stanislaw Moszynski, Graduate Student - Texas State University
10:00 Kristin Sorensen*, *Settlement of the Great Plains During the Civil War.*
10:20 Mark Rhodes*, St. Cloud State University, *Tracing Scottish Migration to Minnesota through Religious, Cultural, and Social Landscapes, 1840-1930.*
10:40 John A Cross, Ph.D.*, University of Wisconsin-Oshkosh, *Continuity and Change in Amish Dairy Farming.*
11:00 Stanislaw K Moszynski*, Graduate Student - Texas State University, *Historic Visualization of the South Central Plains Landscape.*

4271. **Austerity Cities: Bankruptcy, Dispossession, Foreclosure, Privatization and Resistance II (Sponsored by Political Geography Specialty Group, Global Urbanization, Urban Geography Specialty Group)**

- Room: *Bernard's, Biltmore, Lobby Level* (Paper Session)
ORGANIZER(S): Mark Davidson, Clark University; Kevin Ward, University of Manchester
CHAIR(S): Mark Davidson, Clark University
10:00 Mitch Rose*, University of Hull, *New growth in Detroit: Eastern market and the creation of an alternative regional economy.*
10:20 Emily Rosenman*, University of British Columbia; Samuel Walker, University of British Columbia, *A root canal of community development: the geography of foreclosure interventions in Cleveland, Ohio.*
10:40 Peter Brogan, PhD Candidate*, Department of Geography, York University; Carlo Fanelli, PhD, Department of Sociology and Anthropology, Carleton University, *Contesting the "new operational matrix for urban politics" in Toronto and Chicago: Public Sector Union Responses to Resurgent Neoliberalism.*
11:00 Andrew Shmueli*, University of British Columbia, *Urban Renewal and Economic Development in an Age of Austerity: The Evolution of the Portland Development Commission.*
Discussant(s): Mark Davidson, Clark University

4272. **Education, Environment, and Community**

- Room: *Cordoban, Biltmore, Mezzanine Level* (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Robert Hellström, Bridgewater State University
10:00 Laura Carnahan*, UW-Oshkosh, *Toys and Common*

Household Items in the Physical Geography Classroom.

- 10:20 Norman Meek*, California State University, San Bernardino, *On the demise of transverse drainage in geoscience textbooks.*
10:40 Valeria Torres, Geography Student*, University of Puerto Rico, Rio Piedras Campus, *Teaching Geography to students with Natural Deficit Disorder: Theoretical frame work..*
11:00 Jeffrey Matson*, University of Minnesota; Cecilia Martinez, PhD, Center for Earth, Energy, and Democracy; Jeff Matson, University of Minnesota, *Community Voices in Environmental Justice and Sustainability: Using GIS as a Tool for Neighborhood Advocacy.*
11:20 Robert Hellström*, Bridgewater State University, *Wind tunnel applications for teaching and research across disciplines.*

4273. **Climate Policy as Industrial Policy: Emerging Geographies in the Making of the Green Economy 2 (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, European Specialty Group)**

- Room: *Corinthian, Biltmore, Mezzanine Level* (Paper Session)
ORGANIZER(S): Abigail Martin; Jia Ching Chen, University of California, Berkeley
CHAIR(S): Jia Ching Chen, University of California, Berkeley
10:00 Lars Coenen, CIRCLE, Lund University; Teis Hansen*, CIRCLE, Lund University; Ulrich Elmer Hansen, UNEP Risø Centre, Risø DTU, Technical University of Denmark, *Putting all eggs in one basket? The promotion of renewable energy industries in Denmark.*
10:20 Katherine Ruth M Machen*, Durham University, *Evidence Without Belief? Exploring the Politics of Knowledge at the Climate Science-Policy Interface in Scotland..*
10:40 Peter Kedron*, Ryerson University; Sharmistha Bagchi-Sen, SUNY-Buffalo, *Policy relevance in industry life cycles and regional evolution.*
11:00 Abigail Martin, PhD Candidate*, UC-Berkeley, *Emergent Climate Governance in Biofuel Development Strategies in Brazil and the US.*
Discussant(s): Alastair Iles, UC Berkeley

4274. **Methodological Reflections and Innovations**

- Room: *Corsican, Biltmore, Mezzanine Level* (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): John Kelmelis, Penn State
10:00 Lena Christensen*, Lund University; Karin Steen*, LUCSUS Lund University, *Water Diaries.*
10:20 Marcin Wojcik*, University of Lodz, Poland, *A hundred years of rural studies in Polish geography: theoretical and methodological reflections from the perspective of a post-socialist country.*
10:40 Andrew Shears*, University of Wisconsin-Fox Valley, *Using Autoethnographic Methods to Understand the Impact of Fatness on Personal Space & Place.*
11:00 Declan Cullen*, Syracuse University, *Postcolonial Methodologies.*
11:20 John A. Kelmelis, Ph.D.*, Penn State, *Estimative Analysis in the Pedagogy of Geography.*

4275. **Remote Sensing**

- Room: *Florentine, Biltmore, Mezzanine Level* (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Yanfen Le, Northwest Missouri State University
10:00 Brandi Gamelin*, California State University, Los Angeles, *Arctic column water vapor variations and significant relationships to global and regional atmospheric teleconnections.*
10:20 Arthur N. Samel*, Bowling Green State University; Xin-Zhong Liang, University of Maryland; Min Xu,

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University of Maryland, *Development of a Coupled GOSSYM-CWRF Cotton Growth Model over the United States.*

- 10:40** Tongxin Zhu*, University of Minnesota, *Using Geophysical Instruments to Detect the Deep-seated Tunnel Systems in the Loess Plateau of China.*
- 11:00** Wenliang Li*, University of Wisconsin-Milwaukee; Changshan Wu, University of Wisconsin-Milwaukee, *Incorporating phonological information to large scale impervious surface estimation: a comparative analysis of SMA and MESMA techniques.*
- 11:20** Yanfen Le*, Northwest Missouri State University, *Accuracy of teasel mapping using USDA NAIP data.*

4276. Health Perceptions and Administration

Room: Grecian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Michael Hayes, University of Victoria

- 10:00** Zhixin Feng*, University of Bristol, *Income, income inequality and self-rated health in China.*
- 10:20** Helen Elizabeth Olsen, B.A.*, University of Washington, *Partnering for Health: The Emergence of New Forms of Health Governance in Washington State.*
- 10:40** Sandy A. Johnson, Ph.D.*, University of Denver -Josef Korbel School of International Studies; Stanley Samarasinghe, Ph.D., Tulane University, *When is good not good enough? The impact of violent conflict on health in Sri Lanka.*
- 11:00** Chang Keun Kim*, CHA Medical University, *Toward a Human Ecology of Disease in South Korea on basis of Eight Constitutional Medicine.*
- 11:20** Patricia Collins, PhD, Assistant Professor, School of Urban and Regional Planning Queen's University, Kingston, ON; Michael Hayes*, University of Victoria, *Examining the Capacities of Municipal Governments to Reduce Health Inequities: A Survey of Municipal Actors' Perceptions in Metro Vancouver.*

4277. Land Systems Science Symposium: Issues in Land Systems Science I (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Heinsbergen, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Richard Aspinall

CHAIR(S): Burak Guneralp, Texas A&M University

- 10:00** Andrew Millington*, Flinders University, *Key Themes in Contemporary Australian Land Use Science.*
- 10:20** Rachael Garrett*, Stanford University, *Impacts of Environmental Preferences of European Consumers on Trade on Land Use in South America.*
- 10:40** Laura J Sonter*, Sustainable Minerals Institute, University of Queensland; Damian Barrett, Prof., CSIRO, Land and Water, Australia; Chris Moran, Prof., Sustainable Minerals Institute, University of Queensland; Britaldo Soares-Filho, Prof., Centro de Sensoriamento Remoto, Universidade Federal de Minas Gerais, Brazil, *Do we underestimate intensive drivers of land use land cover change?*
- 11:00** Kathleen Farley*, San Diego State University; Leah Bremer, Natural Capital Project/Stanford University; Carol Harden, University of Tennessee, *Payment for ecosystem services, land-use change, and conservation and development in the Ecuadorian Andes.*
- 11:20** Benjamin W Heumann*, Central Michigan University; Stephen J Walsh, University of North Carolina at Chapel Hill; Phillip M McDaniel, University of North Carolina at Chapel Hill; Ashton M Verdery, University of North Carolina at Chapel Hill; Ronald R Rindfuss, University of North Carolina at Chapel Hill, *Niche-based Land Suitability Modeling: An Overview of*

Research from Nang Rong District, Thailand.

4278. Transformation in South Africa

Room: Mediterranean, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Gustav Etienne Visser, University of the Free State

CHAIR(S): Gustav Etienne Visser, University of the Free State

Introducer: Gustav Etienne Visser

10:20 Jayne Rogerson*, University of Johannesburg, *The Transformation of the Hotel Industry in South Africa: The Budget Hotel Sector.*

10:40 Christian Rogerson*, University of Johannesburg, *Building linkages to transform the SMME economy in South Africa.*

11:00 Jennifer Houghton*, University of KwaZulu-Natal, *Development in Context: An Exploration of How Leaders, Networks, Locally Embedded Capital, and Time-Space Contingencies Influence Durban's Public Private Partnerships and Their Urban Interventions..*

11:20 Marcelo Bohrt-Seeghers, Ph.D Candidate, Brown University; Diana Graizbord, Ph.D Candidate*, Brown University; Patrick Heller, Ph.D, Brown University, *State Capacity & Spatial Transformation in Post-Apartheid South Africa: Toward a Middle-Class Developmental State.*

4279. Spatial Analysis and Modeling

Room: Moroccan, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Joao Abreu, Catholic University of Minas Gerais

10:00 Clinton Davis*, West Virginia University Department of Geology and Geography, *A Critical Spatial Econometric Investigation of the Impact of New Toxic Facilities on Local Wages.*

10:20 Jake K Carr*, Center for Urban and Regional Analysis The Ohio State University, *The Agglomeration of R&D Labs.*

10:40 Sean M Crotty*, San Diego State University/University of California at Santa Barbara, *Locating Day Labor Spaces: A Multiscale Geographic Analysis of Informal Hiring Sites in the San Diego Metropolitan Area.*

11:00 Joao F Abreu*, Catholic University of Minas Gerais; Guilherme Moravia, Catholic University of Minas Gerais, *Where to shop? Huff's Probability Model - A Computer Application.*

11:20 Xiaoling Li*, Cornell University, *Influence of Distance Measures on Location Models applied in Urban Areas.*

4280. Geographies of Social Media and VGI (Sponsored by Communication Geography Specialty Group)

Room: Roman, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Paul C. Adams, University of Texas at Austin

CHAIR(S): Nathan Morrow, Tulane University

10:00 Josh Vertalka*, Michigan State University, *Using Twitter as Volunteer Geographic Information to Predict Unit Specific Influenza Hospitalizations in New York City and London.*

10:20 Gerd Weitkamp, PhD*, University of Groningen, *Exploring Spatial Transformation with Social Media.*

10:40 Zhao Bo*, Ohio State University; Daniel Z Sui, Ohio State University, *Analyzing online propaganda in Chinese Social media: Can we differentiate opinion leaders from the water army?.*

11:00 Nathan Morrow*, Tulane University; Nancy Mock, D.PH, Tulane University; Adam Papendieck, MS, Tulane University; Anne Rolfes, Louisiana Bucket Brigade, *Application of crisis mapping to the Deep Water Horizon Gulf Oil Spill and implications for contribution of volunteered geographic information to the assessment environmental and health related effects of technological disasters..*

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4322 *A New Map of Standardized Terrestrial Ecosystems of Africa*, Roger Sayre, USGS

Room: San Francisco, Westin, Level 2

Welcoming remarks: Douglas Richardson, AAG Executive Director

Speaker: Roger Sayre, U.S. Geological Survey

Discussant: Isaac Luginaah, Western University

You are invited to learn more about this extraordinary set of new African maps, published by the AAG as a full-color special supplement for the *African Geographical Review*. This booklet is the result of the efforts of a team of African and US scientists,

who have created a completely updated *New Map of Standardized Terrestrial Ecosystems of Africa*. This special full-color booklet showcases their work in a series of beautiful new continental maps.

4324. Plenary – The California Wine Revolution and the World of Wine?47 Years from Take-off (Sponsored by Wine Specialty Group)

Room: Avalon, Westin, Level 3 (Panel Session)

ORGANIZER(S): Juana Ibáñez, University of New Orleans

CHAIR(S): Juana Ibáñez, University of New Orleans

Discussant(s): William K. Crowley, Sonoma State University-Retired

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

4401. Geographies of Hope Symposium 10: Giving Back: Defining Reciprocity in Research II (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Social and Critical Geographies Specialty Group, Africa Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Indigenous Peoples Specialty Group)

Room: Beaudry A, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Alice Kelly, University of California, Berkeley; Clare Gupta, Yale University

CHAIR(S): Louise Fortmann, UC-Berkeley

Panelists: Sibyl Diver, University of California - Berkeley; Carolina Prado, UC Berkeley; Merrill Baker-Médard, UC Berkeley; Margot Higgins; Ashton Wesner, University of California, Berkeley; Lauren Withey, UC Berkeley; Chryl Corbin; Michael B. Dwyer, CDE, University of Bern

4402. CyberGIS Symposium: Geospatial Ontology, Semantics, and Metadata I (Sponsored by Cyberinfrastructure Specialty Group, Cartography Specialty Group)

Room: Beaudry B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Alexandre Sorokine, Oak Ridge National Laboratory

CHAIR(S): Chen-Chieh Feng, Geography, National University of Singapore

12:40 Dalia Varanka, Ph.D.*, United States Geological Survey, *The Development of a National Hydrography Dataset for the Semantic Web*.

1:00 Harold Moellering*, Ohio State University, *An Overview of the ICA UML Model of the Spatial Data Infrastructure*.

1:20 Stacy A. Doore, M.S.*, Center for Research and Evaluation, College of Education and Human Development, University of Maine; Craig A. Mason, Ph.D., Center for Research and Evaluation, College of Education and Human Development, University of Maine; Kate Beard, Ph.D., National Center for Geographic Analysis, School of Computing and Information Science, University of Maine, *A Conceptual Model for Representing Student Mobility Histories*.

1:40 DU Ping*; JIN Xin, *Design of a Spatio-Temporal Toponym Ontology Based on BFO*.

2:00 Chen-Chieh Feng*, Geography, National University of Singapore; David Mark, Geography, SUNY at Buffalo, *Exploring differences of terrain feature definitions in English and Malay*.

4403. Politics of Sustainability 1

Room: La Brea, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Mine Islar, Lund University; Wim Carton

CHAIR(S): Wim Carton

12:40 Mine Islar*, Lund University; Melissa Hansen, Lund university; Torsten Krause, Lund University, *Sustainability-enclosures: examples from Turkey, South Africa and Ecuador*.

12:55 Giorgos Kallis*, ICTA-UAB; Iago Otero, PhD, Associated Researcher, ICTA-UAB; Marien Gonzalez-Hidalgo, PhD candidate, University of Chile, *Seeing beyond the smoke: The political ecology of fire in Horta de Sant Joan (Catalonia)*.

1:10 Jody Beck*, UC Denver Landscape Arch., *Oil and the Modern Spatial Imaginary*.

1:25 Cheryl Sjöström*, Lund University, *The sustainability of sustainability solutions: Millennium Villages as a response to food insecurity in Malawi*.

1:40 Maryam Nastar*, Lund University, *Challenges of water access in a world city*.

4404. Feminist Political Ecology of Rivers, Watersheds, Wetlands and Coastal Environments 2 (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Coastal and Marine Specialty Group)

Room: La Cienega, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Anne-Marie Hanson, University of Arizona

CHAIR(S): Stephanie Buechler, University of Arizona

12:40 Yvonne Underhill-Sem*, University of Auckland; Yvonne Underhill-Sem, University of Auckland, *Fish, Food and "Two Old Women": A Feminist Political Ecology of Aquaponics in the Cook Islands*.

1:00 Yvonne A Braun, Ph.D.*, University of Oregon, *Interrogating Large-Scale Development and Inequality: Bridging Feminist Political Ecology, Intersectionality and Environmental Justice Frameworks*.

1:20 Vanessa Lamb*, York University, Geography, *Who knows the river? On knowledge, expertise and experience of riverine ecologies at the Salween River, Southeast Asia*.

1:40 Anne-Marie Hanson*, University of Arizona, *Shoes in the seaweed and bottles on the beach: women's 'things' and conservation-as-development in coastal Yucatán*.

Discussant(s): Leila Harris, University of British Columbia

4405. Rethinking exurbia: Race, class and foreclosure on the metropolitan fringe (Sponsored by Global Urbanization)

Room: Los Cerritos, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Alex Schafran; Deirdre Pfeiffer, Arizona State University

CHAIR(S): Alex Schafran

12:40 Ted Rutland*, Concordia University, *Suburban Renewal: Race and Urban Development in Post-1960s Halifax, Nova Scotia*.

1:00 Lucia Lo, Professor*, York University, *Diversity and Vulnerability in the Metropolitan Fringe*.

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1:20 Christine M. Schildt, MCP*, PolicyLink, *Building Inequality: The Subprime Crisis and Poverty in the Suburbs.*

1:40 Deirdre Pfeiffer*, Arizona State University, *Is Post-Civil Rights Era Suburban Growth Leading to Greater Racial Equity or Stratification?*

Discussant(s): Renaud Le Goix, University Paris 1

4406. Nature 2.0: Social Media, Online Activism and the Cyberpolitics of Global Biodiversity Conservation (Sponsored by Cultural and Political Ecology Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)

Room: Los Feliz, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Ingrid L. Nelson, International Institute of Social Studies (ISS); Bram Büscher, Institute of Social Studies

CHAIR(S): Bram Büscher, Institute of Social Studies

12:40 Bram Büscher*, Institute of Social Studies, *Nature 2.0: Theorizing New Media and Nature Conservation in the Political Economy of Informational Capitalism.*

1:00 James Stinson*, University of Toronto, *Eco-Politics 2.0: Maya Bloggers and the Cyberspatialization of Environmental Conflict.*

1:20 James Igoe*, Dartmouth College, *Fragments of a Nature Fixing Machine: On Virtual Mastery and Eco-Function.*

Discussant(s): Matthew W. Wilson, University of Kentucky

4407. Spatial Thinking Across the College Curriculum (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group)

Room: Palos Verdes, Westin, Lobby Level (Paper Session)

ORGANIZER(S): David DiBiase, ESRI; Thomas Shipley, Temple University

CHAIR(S): David DiBiase, ESRI

12:40 Mary Hegarty, Ph.D.*, University of California, Santa Barbara; Mary Hegarty, Ph.D., University of California, Santa Barbara, *Spatial Thinking Across the College Curriculum: Report of an Interdisciplinary Specialist Meeting.*

1:00 Thomas F Shipley*, Temple University, *Spatial Thinking in the Geosciences.*

1:20 Amy Lobben*, University of Oregon, *GeoSpatial Thinking Framework.*

1:40 John P. Wilson*, University of Southern California, *Cultivating Spatial Intelligence in Bite-Sized Chunks.*

2:00 Diana Sinton*, University of Redlands, *Teaching Spatial Thinking in Higher Education.*

4408. Geography Education Policy Initiatives

Room: San Bernardino, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Susan Gallagher Heffron, Association of American Geographers

CHAIR(S): John Wertman, Association of American Geographers

Panelists: Speakers will share federal, state, and local government perspectives. Those invited include representatives from Congressional staffs and the offices of the Governor of California and the Mayor of Los Angeles along with the educational superintendents of California and Los Angeles County. A full list of speakers will be published in onsite notices.

4409. More data, more problems? Geography and the future of 'big data'

Room: San Fernando, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Taylor Shelton, Clark University; Mark Graham, University of Oxford

CHAIR(S): Mark Graham, University of Oxford

Panelists: Trevor Barnes, University of British Columbia; Robert Kitchin, National University of Ireland; Michael Goodchild, University of California - Santa Barbara;

Sean Gorman, George Mason University; Mike Batty, UCL CASA

4410. Spatiotemporal Thinking, Computing and Applications 8: Software Tools (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: San Gabriel A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Chaowei Yang, George Mason University; Weihe Wendy Guan, Harvard University

CHAIR(S): Dawn Wright, Environmental Systems Research Institute

12:40 Trina Weilert*, University of Missouri Kansas City; Wei Ji, Dr., University of Missouri Kansas City, *Assessing Urban Riparian Landscape Changes Using Geospatial Techniques.*

12:58 I-Hsiang Wang*, Department of Geography, National Taiwan University; Tzai-Hung Wen, Department of Geography, National Taiwan University, *Tracking the Dynamics of Spatial-Temporal Clustering.*

1:16 Bridget Kraynik*, Ohio University; Gaurav Sinha, PhD., Ohio University, *Identifying Potential Flood Risk Areas Under Climate Change and Urbanization Scenarios Using GIS and Hydrological Modeling Tools.*

1:34 Douglas Clark*, US Bureau of Reclamation; Curt Brown, Bureau of Reclamation; Dennis Kubly, Bureau of Reclamation, *Tools for Resolving Disputes over Science in Water Resource Agency Decision Making.*

1:52 Benjamin T Tuttle, PhD*, NGA, *Leveraging Open Source Software & Standards in Support of Disconnected Mobile Map Caches.*

Discussant(s): Shaowen Wang, University of Illinois at Urbana-Champaign

4411. Crime Modeling and Mapping (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

Room: San Gabriel B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Michael Leitner, Louisiana State University

CHAIR(S): Michael Leitner, Louisiana State University

12:40 Sun Hui Sim*, University of North Alabama, *Landscape of built environment, crime and their relationship.*

1:00 James C. Wo, Ph.D. Student*, UC-Irvine, Department of Criminology, Law and Society; John R. Hipp, Professor, UC-Irvine, Department of Criminology, Law and Society; Adam Boessen, Ph.D. Student, UC-Irvine, Department of Criminology, Law and Society, *Capitalizing on Social Capital: A spatial examination of how access to voluntary-related organizations impacts neighborhood crime.*

1:20 Kristina Donathan, University of Nevada, Las Vegas; Jaewon Lim*, University of Nevada, Las Vegas; Emily I. Troshynski, University of Nevada, Las Vegas, *Socioeconomic Effect on Crime in the Southwest United States Pre- and Post-Great Recession.*

1:40 Michael Leitner*, Louisiana State University; André Skupin, San Diego State University, *The Impact of Hurricane Katrina on Crime: Using the Tri-Space Concept and Dimensionality Reduction.*

2:00 Larry Joe Morgan, PhD*, Jacksonville State University; Abigail T Jacobs, Student*, Jacksonville State University; Donna Holly Pak, Student, Auburn University, *Correlating Crime and Social Stress: A Micro-Analysis Using Census Block-Level Data.*

4412. Non-Emergent Asias: Left behind by uneven development III: Cities & Economic Development (Sponsored by Asian Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

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- Room:** *San Gabriel C, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Matt Branch, Pennsylvania State University;
 Melissa Y. Rock, Pennsylvania State University
CHAIR(S): Melissa Y. Rock, Pennsylvania State University
12:40 Tyler Harlan*, University of California, Los Angeles
 (UCLA), *Fringe existence: Uyghurs and the emerging private sector in Xinjiang, China.*
1:00 Melissa Y Rock, PhD*, The Pennsylvania State University,
Splintering Be(i)ing: The politics of belonging in a fragmented landscape.
1:20 Susmita Rishi*, University of Washington; Manish Chalana,
 Assistant Professor, University of Washington, *Twilight in Delhi: Unequal Urban Development in India's Capital City.*
1:40 Noelani K X Eidse, BA Hon.*, McGill University;
 Sarah Turner, PhD, McGill University, *Disparate Development and the Infrapolitics of Everyday Life and Survival: Street Vending Livelihoods in Hanoi, Vietnam.*
Discussant(s): Vandana Wadhwa, Boston University

4416. Re-evaluating the Anthropocene, Resituating "Anthropos" 3: Theorizing the Anthropocene (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Socialist and Critical Geography Specialty Group)

- Room:** *Santa Anita C, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Harlan Morehouse; Elizabeth R. Johnson,
 University of Wisconsin - Madison
CHAIR(S): Harlan Morehouse
12:40 Jose Luis Romanillos*, University of Exeter, *Geology as a shock to thought: speculative realism and the naturalistic turn in the image of humankind.*
1:00 Stephanie Wakefield*, CUNY Graduate Center, *The Anthropocene as Liminal Paradigm of Government.*
1:20 Kai Bosworth*, University of Minnesota, *Oh the Humanity!: Extinction and Animism at the End of the Anthropocene.*
1:40 Timothy Currie*, *Political Dinosaurs: global change & the limits of experience to a/effect socionatural systems in geological spacetime.*
Discussant(s): Rory Rowan, Royal Holloway, University of London

4417. Versatile PhDs: Charting a Course Outside the Academy (Sponsored by Association of American Geographers, Enhancing Departments and Graduate Education project (EDGE))

- Room:** *Santa Barbara A, Westin, Lobby Level* (Panel Session)
ORGANIZER(S): Jean McKendry, Association of American Geographers
CHAIR(S): Kenneth E. Foote, University of Colorado
12:40 Paula Chambers, Versatile PhD
Introducer: Michael N. Solem

4418. Genres of Global Urbanisms: Gathering the Threads (Sponsored by Political Geography Specialty Group, Global Urbanization, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

- Room:** *Santa Barbara B, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Ananya Roy, University of California, Berkeley; Eric S. Sheppard, University of Minnesota - Minneapolis
CHAIR(S): Neil Brenner, Harvard University, Graduate School of Design
12:40 Eric S. Sheppard*, University of California, Los Angeles (UCLA); Helga Leitner, University of California, Los Angeles (UCLA), *Provincializing Global Urbanism.*
1:00 Jennifer Robinson*, University College London, *Theorising cities now.*
1:20 Ananya Roy*, University of California, Berkeley, *The*

Temporalities of Global Urbanism.

- Discussant(s):** Neil Brenner, Harvard University, Graduate School of Design

4419. New Geographies of Urban China VI (Sponsored by Symposium on New Geographies of Urban China)

- Room:** *Santa Barbara C, Westin, Lobby Level* (Paper Session)
ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Donggen Wang, Hong Kong Baptist University
CHAIR(S): Yanwei Chai, Peking University
12:40 Yueming Zhang*, Clark University, *Remapping the City, Reproduction of Space, and Local State Reterritorialization: A District Merger Case.*
1:00 Mi Shih*, University of Technology, Sydney, *Villages in the City Redevelopment in Guangzhou: A Pragmatic Approach and Authoritative State Planning.*
1:20 Junqing Hao*, Alan A. Lew, *Exhibition Tourism and Urban Tourism in China: A Comparative Analysis of Eastern, Middle and Western Cities.*
1:40 Yani Lai*, The Hong Kong Polytechnic University, *The Role of Urban Villages in China's Urban Development.*
2:00 Ziwei Liu*, University of Ottawa; Ruibo Han, University of Ottawa; Huhua Cao, University of Ottawa, *Prosperity and Sustainable Development: Tianjin's Socio-spatial Dynamics since 1990.*

4420. Evolutionary perspectives on the multinational corporation (MNC)-institution nexus II (Sponsored by Economic Geography Specialty Group)

- Room:** *Sacramento, Westin, Level 2* (Paper Session)
ORGANIZER(S): Andrew Wood, University of Kentucky; Crispian Fuller, Aston University
CHAIR(S): Nicholas Phelps
12:40 Martijn J. Burger*, Erasmus University Rotterdam; Jelmer Schalk, Leiden University, *Regional Policy and Greenfield Investments in German Districts.*
1:00 Piotr Niewiadomski*, University of Aberdeen, *International Hotel Groups and Regional Development in Central and Eastern Europe.*
1:20 Kai Pflanz*, Leibniz-Institute for Regional Development and Structural Planning, *Local Adaptation and Variation in Transnational Engineering Consultancies.*
1:40 David J Smith*, Nottingham Trent University; David A Williams, Liverpool University; Michael Zhang, Nottingham Trent university, *Global Production Networks in the Aerospace Industry: The case of Airbus.*
2:00 Lech Suwala*, Humboldt-University Berlin; Päivi Oinas, Turku University, *Corporate Coordination in a Spatial Perspective: Context, Coevolution, and Managerial Practice.*

4421. Physical Geography

- Room:** *San Diego, Westin, Level 2* (Poster Session)
ORGANIZER(S): Program Committee
 Scott A Lecce*, East Carolina University; Robert T Pavlowsky, Missouri State University, *Contamination of Floodplain Deposits by Mining Sediment in Streams Draining the Viburnum Trend Mining District of Southeast Missouri.*
 Michael Michalek*, Michigan State University; Alan Arbogast, Ph.D, Michigan State University, *Historic channel changes in the Upper Muskegon River, North-Central Michigan, USA.*
 Helen W Beeson*, Department of Geography, University of Oregon, *Mapping variability of landscape morphology and erosion rates using Structure from Motion.*
 Stephen G Tsikalas, Ph.D.*, Jacksonville State University, *Calculating the Geomorphological Signature of Mud-Nesting Swallow Colonies: A Culmination of*

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- Ecosystem Engineering and Zoogeomorphology.*
 Joey Jazwinski*, UNCW Department of Geography & Geology; T J Klienfelter, UNCW Geography and Geology; M B Schaubach, UNCW Geography and Geology; M M Benedetti, UNCW Geography and Geology; J A Haws, University of Louisville; C S Lane, UNCW Geography and Geology; T A Minckley, University of Wyoming; S L Forman, University of Illinois at Chicago, *The last glacial cycle on the Iberian Atlantic Coast: Sedimentary evidence from Praia Rei Cortiço and Praia d'El Rei, Central Portugal.*
- Linda O'Hirok*, California State University Channel Islands; Samantha Sellers, University of Colorado Denver; Cristina Alejandre, California State University, Los Angeles; Wyatt Rovera, California State University Channel Islands; Seth Ehret, Oxnard College; Amber Macaulay, Oxnard College, *Six Years of Monitoring the Stream Restoration of Dry Canyon Creek, Calabasas, California.*
- Gwendelyn Monge, Dra. Maritza Barreto*, Universidad de Puerto Rico, Recinto de Río Piedras, *A morphological evaluation of Cocal beach at Yabucoa, Puerto Rico and its possible relation with the sea turtle nesting sites..*
- Jared M Beeton*, Adams State University; Steven Holen, Denver Museum of Nature and Science, *Geoarchaeology of the Villa Grove Mammoth Site, San Luis Valley, Colorado, USA.*
- Thomas W. Mockford, Texas Tech University/University of Sheffield; Ted M. Zobeck, USDA/ARS Lubbock, Texas; Jeffrey A Lee*, Texas Tech University; Thomas E. Gill, University of Texas, El Paso, *A Laboratory Study of Wind Erosion Dust Emission Rates.*
- Arik L Arnevik*, University of Wisconsin-Eau Claire; Harry M Jol, University of Wisconsin-Eau Claire; Walt L Loope, United States Geological Survey; Henry M Loope, University of Wisconsin-Madison; Lora Loope, National Parks Service; Connor E Jol, Eau Claire School District, *Preliminary Results of a Ground Penetrating Radar Survey on an Aeolian Dune: Implications of Climate Change for Northeast Michigan, USA.*
- Daniel M Kowalski*, Michigan State University, Department of Geography; Alan F Arbogast, Ph.D., Michigan State University, Department of Geography, *Statistical Comparison of Sand Dune Chronologies in the Great Plains and Eastern Lake Michigan Coastline.*
- Aaron M Pierce*, IUPUI - Indiana University Purdue University Indianapolis, *Martian Dune Morphology: A Forecast for Gale Crater.*
- Stephanie R Delaney*, Carleton University; Roberto Quinlan, PhD, York University; Scott F Lamoureux, PhD, Queens University; Steven V Kokelj, PhD, Aboriginal Affairs and Northern Development Canada; Michael F.J. Pisaric, PhD, Brock University, *Impacts of retrogressive permafrost thaw slumps on aquatic systems, Northwest Territories, Canada.*
- Kyle Bufis*, Adams State University; Patrick Ortiz, Adams State University; Jaime Sutton, Adams State University; Deacon Aspinwall, Adams State University; Adam Williams, Adams State University; Gary Potter, Adams State University; Thomas Keller, Adams State University; Jared Beeton, Adams State University, *Geoarchaeology of the Scott Miller, Mr. Peat, and Magna Sites, San Luis Valley, Colorado, USA.*
- Samuel P Tompsett*, University of Wisconsin-Eau Claire; Ryan C Alger, University of Wisconsin-Eau Claire; Arik L Arnevik, University of Wisconsin-Eau Claire; Andrea L Holm, University of Wisconsin-Eau Claire; Joshua W Pletzer, University of Wisconsin-Eau Claire; Lauren E Roeglin, University of Wisconsin-Eau Claire; Jessica T Stodola, University of Wisconsin-Eau Claire; Greg M Valitchka, University of Wisconsin-Eau Claire, *Soils and Best Landuse: A Tale of Soil Erosion Susceptibility and Suggestions for Mitigation from the University of Wisconsin-Eau Claire's Children's Nature Academy, West-central Wisconsin.*
- Xinyu Zhang*, Key Laboratory of Ecosystem Network Observation and Modelling, IGSNRR, CAS; Lingding Chen, Professor, State Key Laboratory of Regional and Urban Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, 100085, China, *Soil nutrients increase during last two decades in orchard and vegetable ecosystems in the Guanting Reservoir catchment, Beijing, China.*
- Daniel Nessly*, WWU, *Modernization and Agricultural issues of an important EU country - Poland.*
- Louise Jacques*, Salem State University; Brad Hubeny, Dr., Salem State University, *Using sediment records to track recent North Atlantic Oscillation patterns near Lake Rekavikurvavn, northwestern Iceland.*
- Paul W Whelan, Master's Candidate*, Western Washington University; Andrew J Bach, Ph.D., Western Washington University, *Soil Development Following Deglaciation in the Easton Foreland, Mt. Baker, WA.*
- Jessica j Hirsch*, umkc; jennifer knipper, umkc; khaldoun I Ahmed, bs,ms, umkc; Caroline p Davies, phd, , Geosciences, University of Missouri Kansas City, *Characterizing paleolake environments of the Al-Azraq Basin, Jordan using stable isotopes, ICPMS, scanning electron microscopy, and magnetic susceptibility.*
- Hirsch, J., Knipper, J., Ahmad, K. and Davies, C..
- Claudia J Young*, South Dakota State University; ERT Inc., USGS EROS Center; Joseph A. Schumacher, South Dakota State University; Thomas E. Schumacher, South Dakota State University; Thomas C. Kaspar, National Laboratory for Agriculture and the Environment; Gregory W. McCarty, USDA-ARS Hydrology and Remote Sensing Laboratory; Shuguang Liu, USGS EROS Center; Darrell Napton, South Dakota State University, *Effects of soil erosion and deposition by water and tillage on landscape carbon dynamics in the U.S Temperate Prairies ecoregion.*
- Umar Muhammad*, Department of Geography and GIS, University of Illinois at Urbana-Champaign; Bruce L Rhoads, Department of Geography and GIS, University of Illinois at Urbana-Champaign; Jonathan Greenberg, Department of Geography and GIS, University of Illinois at Urbana-Champaign, *Temporal Analysis of Transverse Mixing Patterns Downstream of Mississippi-Missouri Confluence With Moderate Resolution Satellite Remote Sensing.*
- Keith A Bremer*, Texas State University - San Marcos; C. Andrew Day, University of Louisville, *Modeling Urban Hydrology: A Comparison of New Urbanist and Traditional Neighborhood Design Surface Runoff.*
- Andrew Day*, University of Louisville; D J Biddle, University of Louisville, *Historical trends in river basin snowpack and snowmelt hydrology across the Wasatch Front Range, Utah.*
- Grant T Lynch*, University of Tennessee Knoxville; Carol Harden, Ph.D, University of Tennessee Knoxville, *Linking Stream Sediment Metrics and Aquatic Macroinvertebrate Status in East Tennessee Streams.*
- Richard A. Earl*, Texas State University; James F. Petersen, Texas State University, *Comparing Geographic Influences on Water Resources on Two Texas Drainage Basins.*
- Xiaosong Zhao*, Nanjing Institute of Geography and Limnology, CAS, Nanjing, China; Yuanbo Liu, Nanjing Institute of Geography and Limnology, CAS, Nanjing, China; Rongrong Wan, Nanjing Institute of Geography and

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Limnology, CAS, Nanjing, China, *Evaluation of water budget by remote sensing in Taihu Basin, China.*

Curt Holder*, University of Colorado, Colorado Springs, *Effects of leaf hydrophobicity and water droplet retention on rainfall interception.*

Weihong Li*, *Analysis of Driving Force of Water Consumption in Plain and Suitable Scale of Oasis in Hotan River Basin.*

Molly Moore*, Molly Moore, Graduate Student, Shippensburg University; Joseph Zume, Shippensburg University, *Evaluating the State of Surface Water Quality around Areas of Natural Gas Drilling Activity in the Northern Tier Susquehanna Watershed within Pennsylvania.*

David R. Butler, Ph.D.*, Texas State University - San Marcos, *Fire Lookouts of Glacier National Park, Montana.*

Clayton Whitesides*, Texas State University-San Marcos, *Placement of Fire Lookouts in Glacier National Park, Montana.*

4422. New Directions in Commodity Chain Analysis & Access Mapping in 'The Green Economy' (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: San Francisco, Westin, Level 2 (Paper Session)

ORGANIZER(S): Benjamin Neimark, Old Dominion University;

Sango Mahanty, Australian National University

CHAIR(S): Sango Mahanty, Australian National University

Introducer: Benjamin Neimark

12:50 Sarah Milne, PhD*, Australian National University; Sango Mahanty, PhD, Australian National University, *Between myth, ritual, and market value: The fetishisation of Free Prior and Informed Consent in the production of forest carbon.*

1:08 Wolfram Dressler*, Associate Professor, Wageningen University; Phuc To, PhD, Australian National University; Jessica Clendenning, MSc, Independent researcher; Sango Mahanty, PhD, Senior Lecturer, Australian National University, *Global Financing and Rearticulating Governance through Carbon: The Emerging Properties of REDD+ Governance in Laos.*

1:26 Erin C Kelly, PhD*, Humboldt State University, *Another kind of pork belly: Forestry offset projects under the cap-and-trade market in California.*

1:44 Melanie McDermott*, Rutgers University; Kate Schreckenber, University of Southampton; Sango Mahanty, Australian National University, *Mapping equity in new, old and hybrid commodity chains: Payments for ecosystem services, forest products and something-in-between.*

Discussant(s): Jesse Ribot, University of Illinois

4423. Environmental Changes

Room: San Jose, Westin, Level 2 (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mark L Hildebrandt, Southern Illinois University

12:40 Leticia Palazzi Perez, Letícia Palazzi*, Universidade de São Paulo; Magda Adelaide Lombardo, Magda Lombardo, Universidade de São Paulo; José Rodolfo Martins Scarati, Rodolfo Scarati, Universidade de São Paulo, *The urban vulnerability rate based on extreme weather events in the São Paulo metropolitan area..*

12:45 Dale Splinter*, University of Wisconsin-Whitewater; Ron Chester, University of Wisconsin-Whitewater, *Peak Streamflow Analyses in Seven Upper Midwest States.*

12:50 Shiqi Yang*, chongqing institute of meteorology sciences; yanghua gao, chongqing institute of meteorology sciences; zhijun chen, chongqing institute of meteorology sciences, *Impact of Three Gorges Project on Oncomelania Growth in Chongqing Area.*

12:55 Katherine C. Glover*, Dept of Geography, University of California, Los Angeles (UCLA); Glen MacDonald,

Dept of Geography, Dept of Ecology and Evolutionary Biology, Institute of the Environment and Sustainability; University of California, Los Angeles (UCLA); Matthew Kirby, Dept of Geology, CSU-Fullerton, *Baldwin Lake, San Bernardino Co., CA, USA: A record of past glacial cycles.*

1:00 Jeanne Thibeault*, University of Connecticut, *Changing Climate Extremes in the Northeast United States: CMIP5 Projections.*

1:05 Kent M McGregor*, University of North Texas, *Comparison of the Extreme Heat Wave During the Summer of 2011 to Similar Events in the Past 100 Years.*

1:10 Paul Larson*, Southern Utah University; C. Frederick Lohrengel II, PhD, Southern Utah University; Jess R. Elder, Southern Utah University; Robert L. Covington, Southern Utah University, *A 2012 Climate Map for Utah.*

1:15 Mark L Hildebrandt*, Southern Illinois University Edwardsville, *The Multi-scale Climatic Mechanisms That Contributed to Federal Ozone Exceedances in the St. Louis Vicinity During 2012.*

4424. Geography of Wine -- Old World (Sponsored by Wine Specialty Group)

Room: Avalon, Westin, Level 3 (Paper Session)

ORGANIZER(S): Juana Ibáñez, University of New Orleans

CHAIR(S): Denyse Lemaire, Rowan University

12:40 Suzanne Flynn*, Rowan University, *Complexity in Burgundy Wine Production.*

12:53 Maja Djorcev*, Graduate student, *The Impact of Organic Wine Production On Rural Areas: A Case From Slovenia.*

1:06 Thomas Puleo, PhD*, Arizona State University, *The Valtellina and UNESCO: Making a Global Landscape.*

1:19 Gregory Jones*, Southern Oregon University, *Spatial Analysis of Climate in Winegrape Growing Regions in Portugal.*

1:32 Guillaume Giroir*, University of Orléans (France), *The phenomenon of wine chateaux in China: the case of Yantai (Shandong, China).*

1:45 David R Green*, University of Aberdeen, *Ground and Airborne Platforms for Data Collection in the UK Vineyard.*

1:58 Denyse Lemaire, Ph.D.*, Rowan University, *Climatic Disasters Insurance and Wine Production in Burgundy.*

4425. Population Specialty Group: Lifetime Achievement Award for Bill Clark (Sponsored by Population Specialty Group)

Room: Emerald Bay, Westin, Level 3 (Panel Session)

ORGANIZER(S): Micheline Van Riemsdijk, University of Tennessee

CHAIR(S): Max Lu, Kansas State University

Introducer: Micheline Van Riemsdijk

Introducer: Max Lu

Discussant(s): William A Clark, University of California - Los Angeles; Richard Wright, Dartmouth College; Mark Ellis, University of Washington

4426. Farms, Food, and Agricultural Trade (Sponsored by Rural Geography Specialty Group)

Room: Hollywood Ballroom, Westin, Level 3 (Paper Session)

ORGANIZER(S): Christopher Laingen, Eastern Illinois University

CHAIR(S): Christopher Laingen, Eastern Illinois University

12:40 John C. Hudson*, Northwestern University, *Recent Trends in U.S. and World Wheat Production and Trade.*

1:00 Susy S. Ziegler*, Northern Michigan University, *Back to the Land in Michigan's Upper Peninsula.*

1:20 John Fraser Hart*, University of Minnesota - Minneapolis, *Kilofarms in the Corn Belt.*

1:40 Dawn M Drake*, Missouri Western State University, *The Challenges in a Rural-Urban Fringe Area: Farming in*

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the New York CMSA.

2:00 Chris Laingen*, Eastern Illinois University, *Agricultural Change in the James River Valley of North and South Dakota.*

4427. Health and Social Environments: Dimensions of Crime and Poverty (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica A, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): Jochen Albrecht, Hunter College CUNY

12:40 Sarah Wiehe*, Indiana University School of Medicine; Mei-Po Kwan, PhD, University of Illinois at Urbana-Champaign; Jeff Wilson, PhD, IUPUI; J Dennis Fortenberry, MD, MS, Indiana University School of Medicine, *Adolescent health-risk behavior and community disorder: A space-time analysis.*

1:00 Aaron Burgess*, Indiana University, Indianapolis; Children's Health Services Research, Indiana University School of Medicine; Jen Walthall, MD, IUSM Departments of Emergency Medicine and Pediatrics; Sarah Wiehe, MD, MPH, Children's Health Services Research, Indiana University School of Medicine, *And the Seventh Day they Rested: Spatiotemporal Patterns of Urban Pediatric Violent Injury.*

1:20 Daikwon Han*, Texas A&M University; Dennis Gorman, Texas A&M University, *Local Associations between Alcohol Availability, Neighborhood Population Characteristics and Violent Crime in a Geographically Isolated City.*

1:40 Jochen Albrecht, Dr.*, Hunter College CUNY; Miriam Abramovitz, Dr., Hunter College, CUNY, *Unpacking Poverty - Stress as a Pathway from Neighborhood Conditions to Social Problems.*

Discussant(s): Fahui Wang, Louisiana State University

4428. Geographies of Obesity I: Causes, Rates, and Interventions (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica B, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): Geoffrey Jacques, State University of New York at Buffalo

12:40 Matthew Townley*, University of Washington, *Explaining US obesity rates: a decomposition approach.*

1:00 Sandy Wong*, The Ohio State University, *Health in Translation: Investigating the Role of Intermediaries in the Obesity Epidemic.*

1:20 Arika Ligmann-Zielinska*, Michigan State University; Jeremy Mcwhorter*, Michigan State University, *Agent-Based Modeling of Obesogenic Behaviors and Environments - Exploratory Analysis.*

1:40 Mario Giraldo*, Cal State Northridge; Lisa Chaudhari, Ph.D., Northern Arizona University, *GIS analysis methods to support health studies of lifestyle and diabetes in rural communities.*

Discussant(s): Alicia Rolin, National Cancer Institute

4429. Spatial Analysis of Cancer (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica C, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): Dave Stinchcomb

12:40 Xiaoping Shen*, Central Connecticut State University; Xiulan Zhang, Beijing Normal University; Limin Wang, Chinese Center for Disease Control and Prevention (China CDC), *Spatial Analysis of Liver Cancer Mortality in China.*

1:00 Nicholas Nagle*, University of Tennessee; Lisa C Lindley, Ph.D.; R.N., University of Tennessee, College of

Nursing, *Spatio-Temporal Analysis of Pediatric Access to Hospice Care.*

1:20 Jared T Butler*, University of Utah, Department of Geography; Kevin A Henry, PhD, University of Utah, Department of Geography; Simon C Brewer, PhD, University of Utah, Department of Geography; Kimberly A Herget, MStat, University of Utah, Utah Cancer Registry; Heidi A Hanson, MA, University of Utah, Huntsman Cancer Institute; Ken R Smith, PhD, University of Utah, Huntsman Cancer Institute; Antoinette M Stroup, PhD, University of Utah, Utah Cancer Registry, *The role of early-life neighborhood socioeconomic status in female breast cancer risk.*

1:40 Kevin Henry*, University of Utah; Recinda Sherman, MPH, Miller Medical School, University of Miami, *Identifying geographic disparities in breast cancer survival using spatial scan statistics and Bayesian geosadditive models.*

Discussant(s): Li Zhu, National Cancer Institute

4430. Global/Local Competitiveness and the Emergence of New Geographies of Production - from the BRICs to Phoenix Industries (I) (Sponsored by Global Urbanization, Economic Geography Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Vida Vanchan, Buffalo State College; John Bryson, University of Birmingham

CHAIR(S): Vida Vanchan, Buffalo State College

12:40 John Bryson*, University of Birmingham, *A phoenix industry? Adaptation, inimitability, resilience and survival in the Stoke-on-Trent (UK) Ceramics Industry.*

1:00 Chantel Carr*, Australian Centre for Cultural Environmental Research, *Virtual Environments: New Geographies of Prototyping and Product Development.*

1:20 Andrew Warren*, University of New England, *Manufacturing Stoke: Synergy and Transformation in the Surfboard Industry.*

1:40 Sam Ock Park*, Seoul National Univ and Gachon Univ; Homin Yang, Seoul National Univ, *Emergence of New Geographies of Service Innovation: A Case Study of Networked Dermatology Clinics.*

Discussant(s): Vida Vanchan, Buffalo State College

4434. Perspectives on (Sub)Urban Sprawl, Smart Growth, Inner City Developments: Issues, Analysis and Critiques (I) (Sponsored by Regional Development and Planning Specialty Group, Global Urbanization, Urban Geography Specialty Group, Energy and Environment Specialty Group)

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Sun Hui Sim, University of North Alabama;

Francis Koti, University of North Alabama

CHAIR(S): John Miron, University of Toronto

12:40 Elisabetta Troglia*, Royal Institute of Technology; Tigran Haas, Associate Professor, Royal Institute of Technology, *What can we learn from Eco-city projects? A case studies comparison of European cities.*

1:00 Rebecca LH Chiu*, The University of Hong Kong, *Compaction or dispersion: sustainability implications of Guangzhou's urban form.*

1:20 Jimmy R. Hilley*, University of North Alabama; Sunhui Sim, University of North Alabama, *Measuring Spatial Characteristics of New Urbanism Communities in the US with Geo-Spatial Technology.*

1:40 Jiansheng Wu, Peking University; Lin Ma*, Peking University, *Dynamics of Land Use Intensity in Urban China: Estimations Based on Nighttime Light Data.*

2:00 Michael Jerrett*, University of California, Berkeley, *Smart Growth Community Design and Physical Activity in Children.*

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- 4435. Geography and Diversity: Teaching controversial topics within a diverse lower division classroom (Sponsored by Geography Education Specialty Group, Community College Affinity Group)**
Room: *Laguna Parlor 3028, Westin, 30th Floor* (Panel Session)
 ORGANIZER(S): Sarah Goggin; Kalli Doubleday
 CHAIR(S): Sarah Goggin
 Panelists: Darrel Hess, City College of San Francisco; Kalli Doubleday; Melvin Johnson, University of Wisconsin-Manitowoc; Erin H Foubert, Northern State University; Joseph Hinton, Harold Washington College
- 4436. Sacrifice Zones 1 - Environment & Landscape**
Room: *Laguna Parlor 3044, Westin, 30th Floor* (Paper Session)
 ORGANIZER(S): Alec Brownlow, DePaul University
 CHAIR(S): Alec Brownlow, DePaul University
12:40 Shannon Cram*, UC Berkeley, *Paradise Lost?: Conservation Politics in the Nuclear Wilderness.*
1:00 Julie Maldonado*, American University, *Stories of Transformation: Experiences of Coastal Louisiana's Tribal Communities.*
1:20 David Havlick*, University of Colorado-Colorado Springs, *Geographies of Sacrifice: Ecology, Culture, and Meaning at Former Military Sites.*
1:40 Brett Zehner*, University of California San Diego Literature Department, *Schizo(path)ology.*
- 4437. Social Justice and the Marvelous City: World Cup, Olympics and Dispossession in Rio de Janeiro (part 3) (Sponsored by Latin America Specialty Group, Global Urbanization, Urban Geography Specialty Group)**
Room: *Laguna Parlor 3048, Westin, 30th Floor* (Paper Session)
 ORGANIZER(S): James Freeman, Concordia University; Christopher Gaffney, Universidade Federal Fluminense
 CHAIR(S): Erick Silva Omena De Melo, UFRJ/IPPUR/Observatório das Metrópoles
12:40 Christopher Gaffney*, Universidade Federal Fluminense, *Social Movements in the Marvelous City: articulations, anxieties and possibilities.*
1:00 Gilmar Mascarenhas, professor*, Universidade do Estado do Rio de Janeiro, *London 2012 and Rio de Janeiro 2016: concept and reality in the making of an olympic city.*
1:20 James Freeman, PhD*, Concordia University, *Raising the flag over Rio de Janeiro's favelas: citizenship and social control.*
1:40 Ivaldo Lima*, Universidade Federal Fluminense, *Territorial justice: the right to the carioca urban landscape in question.*
 Discussant(s): Gabriel Silvestre
- 4438. Retired Geographers Paper Session (Sponsored by Retired Geographers Affinity Group)**
Room: *Laguna Parlor 3064, Westin, 30th Floor* (Paper Session)
 ORGANIZER(S): Christine Drake, Old Dominion University
 CHAIR(S): Christine Drake, Old Dominion University
12:40 Richard Morrill*, University of Washington, *Going Home Again, Sort of.*
1:00 Waldo Tobler*, University of California, Santa Barbara, *A Study of Munich Commuting.*
1:20 Christine Drake, Dr.*, Old Dominion University, *Islam in Europe.*
- 4439. PEC Student Member Meet-and-Greet (Sponsored by Paleoenvironmental Change Specialty Group)**
Room: *Laguna Parlor 3068, Westin, 30th Floor* (Panel Session)
 ORGANIZER(S): Ian Slayton; Rebecca Brice, University of Denver
 CHAIR(S): Ian Slayton
- 4440. Topics in Spatial Analysis and Economic Geography 1**
Room: *Malibu Parlor 3018, Westin, 30th Floor* (Paper Session)
 ORGANIZER(S): Jeffrey Cohen, University of Hartford
 CHAIR(S): Jeffrey Osleeb, University of Connecticut
12:40 Kingsley E. Haynes*, George Mason University; Jitendra Parajuli, PhD Candidate, George Mason University, *Spatial Analysis of Broadband Provision and New Firm Formation.*
1:00 Jeffrey Cohen, Ph.D.*, University of Hartford; Jeffrey P. Osleeb, Ph.D., University of Connecticut; Ke Yang, Ph.D., University of Hartford, *Semi-Parametric Regression and Spatial Panel Models: Connecticut's Non-Profit Hospital Costs.*
1:20 Menno Mandemaker*, Wageningen University, *A Pattern-Oriented Individual-Based Land-Use-Transition Model: Utility Maximization at Varying Levels of Complexity and Rationality (CORA)..*
1:40 Zhiqiang Liu*, University of Connecticut, *Spatial disparity of China's labor productivity in manufacturing sector-A shift-share analysis.*
 Discussant(s): Sam Ratick, Clark University
- 4441. Connecting Land Governance and Water Governance (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)**
Room: *Malibu Parlor 3038, Westin, 30th Floor* (Paper Session)
 ORGANIZER(S): Alice Cohen, University of British Columbia; Christina Cook, University of British Columbia
 CHAIR(S): Alice Cohen, University of British Columbia
12:40 Christina Cook, PhD*, Hebrew University of Jerusalem, *Source Protection in Ontario: linking water and land governance.*
12:55 Anita Milman, Dr.*, University of Massachusetts, *Governing Land, Water, (and People): Large-scale Foreign Investments and Villagization in Gambella, Ethiopia.*
1:10 Hermen Smit*, UNESCO-IHE, *Redistributing cultivation - a praxiography of dam operation, reservoir sedimentation and cultivation along the Eastern Nile.*
1:25 Michael Finewood*, Chatham University, *Who's going to help us when our basement floods again? The Political Ecology of Urban Water Governance in Pittsburgh, PA.*
1:40 Michelle Kooy, Dr.*, UNESCO-IHE, *Governing Land and Water in Jakarta, Indonesia.*
 Discussant(s): Alice Cohen, University of British Columbia
- 4442. Geographies of Racism and Anti-Racism (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)**
Room: *Malibu Parlor 3058, Westin, 30th Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Jay Newberry
12:40 Kari B Jensen*, Hofstra University, *Discourses of skin color among Bangladeshi people: An analysis of social dimensions of physical appearance.*
1:00 Jay L. Newberry*, Binghamton University, *African American Enrollment Trends in Michigan's Institutes of Higher Education: The Effects of Anti-Affirmative Action Measures..*
- 4443. We Once Made Places With Images: The current utility of mid-20th century visual practice in geography (Sponsored by Cultural Geography Specialty Group)**
Room: *Malibu Parlor 3078, Westin, 30th Floor* (Paper Session)
 ORGANIZER(S): Nicholas Bauch, Stanford University
 CHAIR(S): Rick Miller, University of California, Los Angeles (UCLA)
12:40 Nicholas Bauch*, Stanford University, *Enchanting the Desert: Henry Peabody's 1930s narrated photographic slideshows of Grand Canyon and Zion National Parks.*

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1:00 Rick Miller*, University of California, Los Angeles (UCLA); Matt Zebrowski, University of California, Los Angeles (UCLA), *Overlooking the home front, you see Los Angeles.*

1:20 Jake Coolidge*, Stanford University Spatial History Project, *A Hand-Drawn Map of California.*

4444. Mobility, Travel, and Place (Sponsored by Transportation Geography Specialty Group)

Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Joe Weber, University of Alabama; Selima Sultana, University of North Carolina-Greensboro
 CHAIR(S): Selima Sultana, University of North Carolina-Greensboro

12:40 Jieun Lee*, New College of Florida; Igor Vojnovic, Michigan State University, *Estimating social dynamics of women's travel in the Detroit region: travel patterns in differing urban built environments.*

1:00 Hejun Kang, University of Idaho; Ensheng Dong*, University of Idaho, *Grocery shopping mode choice: a case study in a Pacific Northwest college town.*

1:20 Kailas Venkitasubramanian*, University of North Carolina at Charlotte; Jean-Claude Thill, University of North Carolina at Charlotte, *Does the functional composition of retail market impact household level travel? Evidence from a multi-city analysis.*

1:40 Erik Elldér*, University of Gothenburg, *Trends in the Relative Significance of Residential Location and Individual Characteristics on the Distance Between Home and Work in Sweden 1990 - 2010: A Multilevel Modelling Analysis.*

2:00 Clotilde Minster*, Panthéon-Sorbonne University (Paris 1) / IFSTTAR, *Beyond Urban and Rural Areas: The Homogeneity of Daily Mobility Patterns in France.*

4445. China rural geographies (Sponsored by China Specialty Group)

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Tim Oakes, University of Colorado
 CHAIR(S): Wei Li

12:40 Yecui Hu*, School of Land Science and Technology, China University of Geosciences; Jean-Claude Thill, UNC-Charlotte; Xiaopan Wang, School of Land Science and Technology, China University of Geosciences; Xinqi Zheng, School of Land Science and Technology, China University of Geosciences, *Farmer's perception and response towards environmental migration and restoration plans based on participatory rural appraisal: a case study of immigration region in the karst Southwestern China.*

1:00 Shuang Yang*, San Diego State University; Alex Zvoleff, San Diego State University; Li An, San Diego State University; Mingchong Liu, Sichuan Wolong Special Administrative District, China, *Socioeconomic drivers and environmental impacts of local urbanization process in rural areas: A case study of Wolong Nature Reserve, China.*

1:20 Jiajun Qiao*, College of Environment & Planning, Henan University; Xiaojian Li, College of Environment & Planning, Henan University, *Topographical Analysis of Input-output on Farmland System in Mountainous Area, China.*

1:40 Yangbin Liu*, Beijing Normal University, China; Tao Ye, Beijing Normal University, China; Wuyang Hu, Department of Agricultural Economics, University of Kentucky, 313 C.E. Barnhart Building, Lexington, KY 40546, America; Ming Wang, Beijing Normal University, China; Min Liu, Beijing Normal University, China, *Agricultural Producers' Willingness-to-Pay for Paddy Rice Insurance in Hunan Province, China: A Stated Choice Experiment Analysis.*

2:00 Wei Li*, College of Urban and Environmental Science, Peking University; Changchun Feng, College of Urban and Environmental Science, Peking University; Chao Dai, College of Environmental Sciences and Engineering, *An Inexact Risk-averse Management Model for Agricultural Land-use Planning in Zhangweinan River Basin.*

4446. From Palestine to Mexico 1. Comparative border studies: reading Israel/Palestine and US/Mexico. (Sponsored by Middle East Specialty Group, Socialist and Critical Geography Specialty Group, Borders)

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Ilaria Giglioli; Noura Alkhalili, Lund University

CHAIR(S): Linda Quiquívix, Brown University

12:40 Damien Simonneau*, ASU NACTS, *From Identity to Security. A political scientist's analysis of similarities in two coalitions in favor of Israeli and American 'Walls'.*

12:50 Véronique Bontemps*, Urmis, IFPO, *Crossing the Allenby Bridge.*

1:00 Amrah Salomon J.*, UCSD Department of Ethnic Studies, *"Comparative Border Studies: Palestine and Mexico" Teaching and the cartographies of settler colonialism.*

1:10 Mira Nabulsi, MA*, San Francisco State University, *"Comparative Border Studies: Palestine and Mexico": Teaching and the cartographies of settler colonialism.*

1:20 Roberto D Hernandez, PhD*, San Diego State University, *"America's" Palestinians? Or Coloniality in a Border/ed Context?*

1:30 Jeffrey Wilson*, University of Arizona; Geoffrey Boyce, University of Arizona; Sandy Marshall, University of Kentucky, *Concrete Connections? Border security, governmentality, and the politics of analogy.*

4447. Human-Environment Geography and Development

Room: Malibu Parlor 3178, Westin, 31st Floor (Interactive Short Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Catherine King, NYU

12:40 Kathryn Wright*, University of Colorado at Boulder, *The importance of translocality in the development practices of Senegalese migrants in the United States.*

12:45 Paulo Eduardo Borges Silva, Paulo Borges*, UFMG - Brazil; Ricardo Alexandrino Garcia, Ricardo Garcia, UFMG - Brazil, *Combining spatial and demographic data to generate an environmental index - the application of geotechnologies and multivariate analysis in sanitation evaluation.*

12:50 Yaw Asamoah*, University of Cape Coast, *Manifestations of The Resource Curse Thesis. A Case Study of Mining Communities In The Tarkwa-Nsuaem Municipality of Western Region of Ghana.*

12:55 Muriel Marseille*, *Green Technology as a means to alleviate societal poverty.*

1:00 James G Baldwin*, Boston University; Michael L Mann, University of California Berkeley, *The Role of Migration as a Determinant of the Spatial Evolution of U.S. Carbon Emissions.*

1:05 Jose A Torres, Ph.D. Student*, University of Connecticut, *The Park of Nations and Tourism Development in Northeastern Lisbon.*

1:10 Alex Lyte*, The MITRE Corporation; Matt Koehler, The MITRE Corporation, *Critical Infrastructure: A Fractal Structure Analysis.*

1:15 Nina M Flores, Ph.D. Student*, University of California, Los Angeles (UCLA), *Community Development and Inclusion: A Closer Look at Orange County Farmers' Markets.*

1:20 Rajendra S. Suryawanshi, PhD*, Abasaheb Garware

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- College, *Assessment of Tourism Potential: A study of Thane District, Maharashtra State India.*
- 1:25** Hao Liu*, Peking University; Canfei He, Peking University, *Export Growth of Chinese Cities From the Perspective of Dual Margin.*
- 1:30** Catherine King*, NYU, *Using a Global Production Network Approach to Examine Overfishing in New England.*
- 1:35** Paul Kariya*, Clean Energy Assn of BC and Trinity Western University, *ENGOS and Industry: What is the nature of the dialogue on clean energy in British Columbia?.*
- 4450. Port Cityscapes: Dynamic Perspectives on the Port-City-Waterfront Interface II (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Transportation Geography Specialty Group)**
- Room:* Angeleno, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): Wouter Jacobs, Utrecht University; Anne Wiese, TUM
- CHAIR(S): Anne Wiese, TUM
- 12:40** Peter Hall*, Simon Fraser University; Pamela Stern, Simon Fraser University, *Urban waterfront transformation, and discourses about work.*
- 12:55** Craig Hendricks*, History Dept., Long Beach City College, *"That It Is Very Expensive": Port and Harbor Development on San Pedro Bay, 1899-1937.*
- 1:10** Günter Warsewa*, University of Bremen / Chamber of Labour, *Local Culture and the Re-Invention of the Port-City.*
- 1:25** David Rands, PhD*, Austin Peay State University, *Looking East and Looking West: The Port Cities of Osaka and Tokyo.*
- 1:40** Annika Airas*, University of Helsinki, *Redevelopment of a former woodworking harbor.*
- Discussant(s): Carola Hein
- 4451. Urban Weather and Climates (I) - Observations and Modeling (Sponsored by Regional Development and Planning Specialty Group, Climate Specialty Group, Urban Geography Specialty Group)**
- Room:* Bunker Hill, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): Winston Chow, Arizona State University; Chandana Mitra, Auburn University
- CHAIR(S): Winston Chow, Arizona State University
- 12:40** Brent C Hedquist*, Texas A&M University-Kingsville; Harindra Joe Fernando, University of Notre Dame, *Detecting spatial and temporal patterns in the Phoenix, Arizona urban heat island utilizing infrared thermography.*
- 1:00** Shai Kaplan*, ASU; Christopher S. Galletti, ASU; Winston T.L. Chow, ASU, *Modeling Broadband Albedo with High Resolution Imagery.*
- 1:20** Mahjabin Rahman*, Auburn University; Chandana Mitra, Auburn University, *Determining the relationship between Alabama cities and changing environmental dynamics.*
- 1:40** Petra Klein*, University of Oklahoma; Xiaoming Hu, University of Oklahoma; Ming Xue, University of Oklahoma, *Impacts of the structure and dynamics of the nocturnal boundary layer on urban climate.*
- 2:00** Mark F Arend, Ph.D.*, CCNY NOAA CREST; Estatio Gutiérrez, CCNY; Fred Moshary, Ph.D., CCNY; Bob Bornstein, Ph.D., San Jose State University; Reza Khanbilvardi, Ph.D., CCNY; Maryam Karimi, CCNY; Brian Vant Hull, CCNY; Jorge Gonzalez, CCNY, *Monitoring and Modeling Urban Climates to Better Understand Climate Risks.*
- 4452. Assessing the Effects of Climate on Land Cover Change Using Remote Sensing (Sponsored by Remote Sensing Specialty Group, Climate Specialty Group, Landscape Specialty Group, Climate Change, Variability, Adaptation and Justice)**
- Room:* Grand Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): Jim Vogelmann, SAIC
- CHAIR(S): Jim Vogelmann, SAIC
- 12:40** Xubin Zeng*, University of Arizona; William Scheftic, University of Arizona; Patrick Broxton, University of Arizona, *Climate variability and land cover change over the North American monsoon region.*
- 1:00** Soe Myint*, Arizona State University; Elizabeth Wentz, Arizona State University; Anthony Brazel, Arizona State University; Dale Quattrochi, NASA Marshall Space Flight Center, *The impact of distinct anthropogenic and vegetation features on urban warming.*
- 1:20** Jim Vogelmann*, USGS EROS; Xian George, ASRC Research and Technology Solutions, USGS EROS, *Assessing Gradual Ecological Change with Landsat Time Series and Climate Data.*
- 1:40** George Xian*, USGS EROS Data Center; Collin Homer, USGS; James Vogelmann, USGS, *Regional patterns of vegetation shifts due to climate change.*
- 2:00** Collin Homer*, United States Geological Survey, *Comparison of Multi-scale Remote Sensing Continuous Field Component Change to Precipitation Variation in a Sagebrush Ecosystem, across Seasons and Years.*
- 4453. Cultural geographies annual lecture (Sponsored by Cultural Geography Specialty Group)**
- Room:* Grand Ballroom Salon 2, The LA Hotel, Level 2 (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
- 12:50** Kay Anderson, Professor*, University of Western Sydney, *Mind over Matter? On Decentring the Human in Human Geography.*
- 4454. Health and Health Care in a Period of Economic Decline I (Sponsored by Health and Medical Geography Specialty Group)**
- Room:* Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): Mark W Rosenberg, Queen's University; Kathi Wilson, University of Toronto at Mississauga
- CHAIR(S): Mark W Rosenberg, Queen's University
- 12:40** Mark W Rosenberg, Ph.D.*, Queen's University; Keltie Gale, Queen's University, *Aging, Health and Health Care, and Social Deprivation in Canada.*
- 1:00** Daniel W. Harrington, PhD*, University of Toronto Mississauga; Kathi Wilson, PhD, University of Toronto Mississauga; Mark Rosenberg, PhD, Queen's University, *Difficulties accessing specialist care in Ontario, Canada: Who? Where? And Why?.*
- 1:20** Kathi Wilson*, University of Toronto at Mississauga; Jennifer Asanain-Dean, University of Toronto Mississauga; Gurveer Bains, University of Toronto Mississauga; Dana Wilson, Peel Youth Initiative/ University of Toronto Mississauga; Effat Ghassemi, Newcomer Centre of Peel, *Newcomers and Integration: Challenges of Service Provision in a Period of Economic Decline.*
- 1:40** Janette J Brual, MA*, Queens University, Department of Geography; Mark W Rosenberg, PhD, Queens University, Department of Geography, *Exploring Social Determinants and the Role of Place Among Aging Immigrants: Challenging the Health Status and Utilization of Health Services of Later-life Filipino Immigrants.*

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2:00 Alison Copeland, PhD*, University of Durham; Clare Bamba, PhD, University of Durham; Charlotta Nylén, PhD, Karolinska Institutet; Sarah Curtis, DPhil, University of Durham; Adetayo Kasim, PhD, University of Durham, *Health and Economic Conditions*.

4455. Taylor-Francis/Routledge Distinguished Lecture on Geomorphology and Society (Sponsored by Geomorphology Specialty Group)

Room: *Grand Ballroom Salon 4, The LA Hotel, Level 2* (Paper Session)
 ORGANIZER(S): Robert Pavlowsky, Missouri State University
 CHAIR(S): Robert Pavlowsky, Missouri State University

4456. The Living New Deal: Towards a Revival of the Public I (Structures)

Room: *Highland, The LA Hotel, Level 2* (Paper Session)
 ORGANIZER(S): Rachel Brahinsky, University of California - Berkeley; Gray Brechin, Living New Deal
 CHAIR(S): Richard Walker, University of California-Berkeley
12:40 Rachel Brahinsky*, University of California - Berkeley (Living New Deal), *The Living New Deal Project: Documentation and Action*.
1:00 Sharon A. Musher*, Richard Stockton College of New Jersey, *New Deal Legacies: Charles Moore and the Redevelopment of Washington, DC..*
1:20 Robert Leighninger*, Living New Deal Project, *The New Deal's Living Contribution to California's Infrastructure*.
1:40 Anna Siomopoulos, PhD*, Bentley University, *Embodying the State: Federal Architecture and Masculine Transformation in Hollywood Films of the New Deal Era*.
2:00 Mia C. White*, MIT, *New Deal Foundations and Beyond: Race, Property and Alternatives for Justice*.

4457. Geographies of Peace II (Sponsored by Political Geography Specialty Group, Asian Geography Specialty Group)

Room: *Hollywood, The LA Hotel, Level 2* (Paper Session)
 ORGANIZER(S): Amy Ross, University of Georgia, Athens; Elizabeth A. Oglesby, University of Arizona
 CHAIR(S): Elizabeth A. Oglesby, University of Arizona
12:40 Lorraine Dowler*, Penn State University; Dana Cuomo, Penn State University; Nicole Laliberte, Penn State University, *Falling to Peace(s): Adopting a Feminist Ethics of Care at Penn State University*.
12:55 Sarah Hill*, Western Michigan University, *Problems with a Peaceful Resolution: Compromise in an Environmental Case Study*.
1:10 Nick Megoran*, University of Newcastle Upon Tyne, *The provenance and politics of contested concepts of peace in Kyrgyzstan..*
1:25 Kristian Stokke*, University of Oslo, *Peace Engagement as Small-State Geopolitics: Norway's Discourses and Strategies of Peacebuilding in a Changing International Context*.
1:40 Sara Koopman*, Balsillie School, Wilfrid Laurier University, *The travels of a tactic: where will international accompaniment for peace go next?*.

4458. Water Resources and Sustainable Development, Session I (Sponsored by Middle East Specialty Group, Africa Specialty Group, Water Resources Specialty Group)

Room: *Melrose, The LA Hotel, Level 2* (Paper Session)
 ORGANIZER(S): Ezgi Akpinar Ferrand, Southern Connecticut State University
 CHAIR(S): Ezgi Akpinar Ferrand, Southern Connecticut State University
12:40 Dale Lightfoot*, Oklahoma State University, *Galerias, Water Mines, and the Myth of Qanats in the Canary Islands*.

1:00 Ezgi Akpinar Ferrand*, Southern Connecticut State University, *Rainwater Harvesting in Central American Lowlands: Potential of Natural and Human-Made Ponds for Sustainable Development*.

1:20 Ellis A Adams*, Michigan State University, *Governance Under Weak Institutions: Water and Sanitation Delivery Amid Growing Urbanization in Developing Economies*.

1:40 Joshua Lohnes*, West Virginia University, *Watering St. Katherine: Hydro-Cultural transformations in a Contested Landscape*.

2:00 Lauren M Herwehe*, University of Arizona, *Toward a New Paradigm of Irrigation Water Management in Tajikistan: The Role of Water Users Associations*.

4459. Hazards, Risks, and Disasters Specialty Group: Gender, Sex, and Social Perspectives (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: *Olvera, The LA Hotel, Level 2* (Paper Session)
 ORGANIZER(S): Ronald R Hagelman III, Texas State University
 CHAIR(S): Ronald R Hagelman III, Texas State University
12:40 Idowu M Ajibade*, University of Western Ontario; Idowu M Ajibade, Western University; Gordon McBean, Western University; Rachel Bezner-Kerr, Cornell University, *A thin line between vulnerability and disaster: the untold stories of women on the frontlines of climate extremes in Lagos, Nigeria*.
1:00 Sara Gilbert*, University of Washington, *Talking about 'what worked: 'a Critical Perspective on Natural Hazard Resilience Policy Learning and the Production of Expertise*.
1:20 Genora L Givens*, Willamette University, *A Perfect Storm: Vanport City, Geographic Hazards and the Creation of Social Vulnerability*.
1:40 JC Gaillard*, School of Environment, The University of Auckland; Kristinne Sanz, Department of Anthropology, University of Durham; Soledad Natalia M. Dalisay, Department of Anthropology, University of the Philippines; Vaito'a Toelupe, National Disaster Management Office - Samoa; Benigno C. Balgos, Center for Disaster Preparedness - Philippines, *Sexuality and Gender Identities in Disaster Risk Reduction*.
2:00 Moriah McSharry McGrath, MPH, MSUP*, Portland State University, *Misplaced notions of risk: Real and imagined health hazards of strip clubs in Portland, Oregon*.

4460. Trees in the city 3: policies, people and the extent of the urban forests (Sponsored by Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group)

Room: *Olympic, The LA Hotel, Level 2* (Paper Session)
 ORGANIZER(S): Tenley Conway, University of Toronto; Shawn Landry, University of South Florida
 CHAIR(S): Shawn Landry, University of South Florida
12:40 Alec I Foster*, temple university; Ian Dunham, Temple University, *Urban Forests, Volunteered Geographic Information and Equity*.
1:00 Patrick Hurley*, Ursinus College; Marla Emery, Northern Research Station, U.S. Forest Service; Rebecca McLain, 3Institute for Sustainable Solutions, Portland State University; Melissa Poe, Northwest Sustainability Institute, *Gatherable landscapes? Developing a methodological framework for assessing Nontimber Forest Product usage in cities*.
1:20 Christopher Frank Scarpone, B.A, MSA*, Simon Fraser University; Andrew A Millward, B.Sc. (Env.), M.Sc., Ph.D. (Geography), Ryerson University, *A three dimensional model for quantifying the temperature moderating potential of tree shadow on an asphalt parking lot surface..*

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1:40 Mike Alonzo*, UCSB Geography; Dar Roberts, UCSB Geography; Keely Roth, UCSB Geography; Bodo Bookhagen, UCSB Geography, *Crown scale fusion of imaging spectroscopy and lidar for urban tree species identification.*

2:00 Setal S Prabhu*, Center for Sustainable Communities, Institute of the Environment and Sustainability, University of California, Los Angeles (UCLA); Thomas W Gillespie, PhD, Department of Geography, University of California, Los Angeles (UCLA); Darrel G Jenerette, PhD, Department of Botany and Plant Sciences, University of California, Riverside; Diane E Pataki, PhD, Department of Biology, University of Utah; Stephanie Pincetl, PhD, Center for Sustainable Communities, Institute of the Environment and Sustainability, University of California, Los Angeles (UCLA), *The Megadiverse Urban Forest of Los Angeles.*

4461. Geographies of Media VI: Comics and Books (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): John Finn, Christopher Newport University;

Joseph Palis, North Carolina State University

CHAIR(S): Steven Driever, University of Missouri

12:40 Clark Akatiff*, *Too Many Words, Not Enough Pictures II: The return of Dr. Ack: a comic book character.*

1:00 Deborah Hann*, Texas State University-San Marcos, *Space and Place in the Nancy Drew Series.*

1:20 Ashley Allen*, University of Wyoming, *Comic Book Landscapes as Representations of Reality.*

1:40 Steven Driever, PhD*, University of Missouri, *Geography, Schools, and World Letters in the 1930s.*

4462. Geographical perspectives on Super Storm Sandy (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): James K. Mitchell, Rutgers University

CHAIR(S): James K. Mitchell, Rutgers University

Discussant(s): Adelle Thomas, Rutgers University

Panelists: Craig Colten, Louisiana State University; Allan Frei, Hunter College; James K. Mitchell, Rutgers University; William Solecki, Hunter College; Joern Birkmann, United Nations University

4463. Post-secular spaces: explorations beyond secular theory and research I

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Banu Gokariksel, University of North Carolina, Chapel Hill; Elizabeth Olson, UNC-Chapel Hill

CHAIR(S): Banu Gokariksel, University of North Carolina, Chapel Hill

12:40 Hulya Arik*, York University, *Towards a Geographical Sensibility of Secularism: Gendered Formations of the 'Secular' and the 'Religious' in the context of the Turkish Military.*

1:00 Justin Tse*, University of British Columbia, Department of Geography, *Cantonese Protestant Activism and Secular Geographies: religion, ethnicity, and the secularization thesis.*

1:20 Murat Es*, University of North Carolina at Chapel Hill, *Sacred Sites of the Secular: Secular Mosques and Sacred Citizenship in the Netherlands.*

1:40 Frances Rabbitts*, University of Exeter, *Faith-based development NGOs and their Northern presences: politicising the intersections between faith and organisational space.*

2:00 Elizabeth Olson*, UNC-Chapel Hill, *An Intimacy with Death.*

4464. Light, Landscape and Place II: Rethinking Darkness

Room: Pico, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Steve Millington, Manchester Metropolitan University; Tim Edensor, Manchester Metropolitan University

CHAIR(S): Steve Millington, Manchester Metropolitan University

12:40 Ben Gallan*, University of Wollongong, *Darkness, the city, modernity.*

1:00 Tim Edensor*, Manchester Metropolitan University, *Revaluing darkness: Apprehending contemporary sites of darkness.*

1:20 Franklin Ginn*, University of Edinburgh, *When horses won't eat: the dark ecologies of post-apocalypse.*

1:40 Oliver Dunnett, PhD*, St Mary's University College, *Light pollution and geographies of astronomical observation in post-war Britain.*

4470. Geographies of Chicanas/os and Latinas/os

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Michael L Trujillo, University of New Mexico

12:40 Paola Chavez-Payan, MA Student in Sociology*, University of Texas - El Paso; Sara Grineski, Associate Professor of Sociology, University of Texas - El Paso; Timothy Collins, Associate Professor of Geography, University of Texas - El Paso, *The Hispanic Health Paradox and Children's Respiratory Health in the U.S.-Mexico Border Region.*

1:00 Elizabeth Calixtro*, Willamette University, *Do "Aliens" have Human Rights?: Why the U.S. Fails to Protect Immigrant Domestic Violence Survivors.*

1:20 Morgan Apicella*, University of Arizona, *The Barrio Sustainability Project: Land and Liberty, Life and Work.*

1:40 Michael L Trujillo, PhD*, University of New Mexico, *America Profunda: Compelling Symmetries in Trans-American Studies.*

4471. Blue and Green Economies 1: Paradigm shift or hegemonic realignment in environmental discourse? (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Bernard's, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Luke Fairbanks, Duke University; Catherine Corson, Mount Holyoke College

CHAIR(S): Lisa Campbell, Duke University

12:40 Ken MacDonald*, University of Toronto; Peter Wilshusen, Bucknell University, *Enclaved Social Process and the Construction of "Green Growth" at Rio+20.*

1:00 Daniel Suarez*, University of California, Berkeley, *"You Cannot Manage What You Do Not Measure": Natural Capital Accounting at Rio+20.*

1:20 Noella Gray*, University of Guelph; Jennifer Silver, University of Guelph; Lisa Campbell, Duke University; Rebecca Gruby, Duke University; Luke Fairbanks, Duke University, *On the Blue Horizon: Tracing the Emergence and Evolution of Blue Economy at Rio+20.*

1:40 Catherine Corson*, Mount Holyoke College, *Grabbing the Green Economy: Disabling Resistance through 'Participatory' Process at Rio+20.*

2:00 Kathleen McAfee*, San Francisco State University, *Green Economy and its Others: Scarcity, Rights, and Abundance.*

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4472. Education: International

- Room:** *Cordoban, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Brad Dearden, University of Maine Farmington
12:40 Mehdi Lazar*, Panthéon Sorbonne University, *Discussing the globalization of higher education, the case of Qatar.*
1:00 Meg Stewart*, IIE/Council for International Exchange of Scholars, *A Geographer's Perspective on a Fulbright Experience.*
1:20 Heidrun Edlinger*, University of Vienna - Department of Geography and Regional Research, *Designed learning environments as activating elements of constructivist learning processes in school geography.*
1:40 Brad Dearden*, University of Maine at Farmington, *The World in the Classroom: Bringing International Fieldwork and Research to College Students.*

4473. Knowledge Discovery in Cyberspace and Social Media - Session ONE (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)

- Room:** *Corinthian, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Ming-Hsiang Tsou, San Diego State University; Jiue-An Yang, San Diego State University
 CHAIR(S): Ming-Hsiang Tsou, San Diego State University
12:40 Ming-Hsiang Tsou*, San Diego State University, *Understanding and Visualizing the Spatial Diffusion of Innovations in Cyberspace.*
1:00 Daniel Leung, University of California at Merced; Shawn Newsam*, University of California at Merced, *Proximate Sensing: Geographic Knowledge Discovery in Community-Contributed Photo Collections.*
1:20 Cheng Fu*, Shin-Yi Hsu, *Characterize Geo-Social Community within an Online Social Network.*
1:40 Tetsuo Kobayashi*, Florida State University; Brandon Zook, Florida State University, *Spatio-temporal analysis of physical interactions derived from a social network site.*

4474. Policy, Environmental Perception, and Public Health

- Room:** *Corsican, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Jennifer Blecha, San Francisco State University
12:40 Nada Petrovic*, Columbia University; Jaime Madrigano, Columbia University, *What's in a frame when it comes to fossil fuels: Does public health matter more than climate change?*
1:00 Johanne Sanschagrin, PhD*, Government of Canada, *Environment, public health and sustainable development: a dialogue between the public and the government through the Environmental Petitions Process in Canada.*
1:20 Dudley Bonsal*, University of Minnesota, *Soundscapes and Behavioral Niches: The Acoustic Environment as a Land Use Concern.*
1:40 Jennifer Blecha, Ph.D.*, San Francisco State University, *"This Is Not the Place for Slaughtering": Conflicts over Backyard Livestock Slaughter in Oakland and Minneapolis-Saint Paul.*

4475. Remote Sensing and Vegetation

- Room:** *Florentine, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Xianfeng Chen, Slippery Rock University
12:40 Francisco Flores*, University of Western Ontario; John M Kovacs, Nipissing University; Jinfei Wang, University of Western Ontario, *Assessing seasonal hyperspectral estimation of leaf pigments for dominant mangrove species of the Pacific coast of Mexico.*
1:00 Jing Sun*, University of Florida, *Fractal mapping of*

deforestation dynamics in the Amazon rainforest.

- 1:20** Jose J Camarena*, San Francisco State University; Jose Juan Camarena, M.A. Graduate Student, San Francisco State University, *An Object-Oriented Classification of Muir Woods using the synergy of LIDAR and Multi-Spectral data.*
1:40 Yan-Ting Liao*, School of Geographical Science and Urban Planning, Arizona State University, *Testing environmental stratification and image segmentation for improving accuracies of tree species identification in mixed forests.*
2:00 Xianfeng Chen*, Slippery Rock University; Cun Chang, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Jie Bai, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Geping Luo, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Xi Chen, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *Estimating fractional vegetation cover in arid regions with multispectral and hyperspectral satellite images.*

4476. Historical Geography in the United States

- Room:** *Grecian, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Geoffrey Buckley, Ohio University
12:40 Klaus Gurgel*, Weber State University, retired adjunct faculty, *Zion into Babylon: The Expansion of The Church of Jesus Christ of Latter-day Saints in Nevada's Mormon Culture Sphere, 1856-2012.*
1:00 Shaolu Yu*, University of Connecticut, *Revisiting Chinatowns in New York City.*
1:20 Steven Ericson*, Oklahoma State University, *Crime on the Concrete Campus: An Historical Examination of Crime Patterns at Georgia State University.*
1:40 Geoffrey L. Buckley*, Ohio University, *Historical Geography of the Environment: Twenty Years of Progress.*

4477. Land Systems Science Symposium: Issues in Land Systems Science II (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room:** *Heinsbergen, Biltmore, Lobby Level* (Paper Session)
 ORGANIZER(S): Richard Aspinall
 CHAIR(S): John Harrington Jr, Kansas State University
12:40 Kelley A Crews*, University of Texas, *Reorienting Classification: Renovating the Anderson Scheme.*
1:00 Richard Aspinall*, *Multi-Scale Land System Dynamics.*
1:20 Daniel G Brown*, University of Michigan; Mark D. Lange, National Research Council, *Assessing the State of the Art in Land-Change Modeling.*
1:40 Jacqueline Vadjunc*, Oklahoma State University; Christian Brannstrom, Texas A&M University, *Land Change Science, Political Ecology, and Sustainability: Synergies and Divergences.*

4478. Development Geography: A Multi-Scale Perspective

- Room:** *Mediterranean, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Lalita Sen, Texas Southern Univ
12:40 Claudia Saalfrank*, Urban and Regional Studies / University of Basel, Switzerland, *Micro Insurance and the Interface between Insurers and Insured Households - an Analysis of the Afat Vimo Partner-Agent Model of Micro Insurance in Gujarat, India.*
1:00 Frank Swiaczny*, Federal Institute for Population Research, Germany, *Demographic Change, Sustainability and Development - An Approach on Global Inequalities.*
1:20 Jirina Kocourkova*, Charles University Prague, *The*

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United States and European Union: similarities and differences in demographic reproduction.

- 1:40** Juha I Uitto*, Evaluation Office, United Nations Development Programme; Indran A Naidoo, PhD, Evaluation Office, United Nations Development Programme; Juha I Uitto, PhD, Evaluation Office, United Nations Development Programme, *International Development, Program Evaluation, and Geography.*
- 2:00** Lalita Sen, Ph.D.*, Texas Southern Univ, "*The Role of Publicly Funded Transportation Services: Will Mobility Management Provide the Solution for the transit dependent individuals? A Case Study of the Rural Area Served by COAST*".

4479. Spatial Analysis and Modeling

Room: Moroccan, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Bo Xu, California State University, San Bernardino

- 12:40** Tatiana Zabortceva*, V.B. Sochava Institute of Geography; Nikolay Grudin, V.B. Sochava Institute of Geography, *Secondary material resources and ecological behavior of population: as exemplified by the Baikal Region.*
- 1:00** Matthew Whitehead*, Oak Ridge National Laboratory, *Combining Parcel Level Geocoding with LiDAR Data to Produce an On-Entity Spatial Database.*
- 1:20** Fiona Bull*, The University of Western Australia; Bryan J Boruff, Professor, The University of Western Australia, *POSitive Places: new data, tools and approaches for examining the role of public open space in health and planning research.*
- 1:40** Gerard Rushton, Prof*, University of Iowa, *The impact of data suppression on maps of disease and mortality.*
- 2:00** Bo Xu*, California State University, San Bernardino; Ziying Jiang, Miami University, *Mapping Geographically Weighted Regression results on Spatially Aggregated Data.*

4480. Postneoliberalism? Neoliberal regulation in the continuing crisis: opportunities for change or just more of the same? (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)

Room: Roman, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Hugh Deaner; Christopher Oliver, University of Kentucky

CHAIR(S): Hugh Deaner

- 12:40** Hugh Deaner, PhD Candidate*, University of Kentucky Dept of Geography, *The not so neoliberal regulation of the Alberta oil sands.*
- 1:00** Tod Rutherford*, Syracuse University; Rutherford Tod, Department of Geography, Syracuse University, *The New Southern Question: The EU Crisis, Fast Policy Transfer and Labour Market Reform in Italy and Spain.*
- 1:20** John Holmes*, Queen's University; Tod Rutherford, Syracuse University, *After the Great Recession: Labour Regulation and Collective Bargaining in the Ontario-US Great Lakes States Cross Border Region.*
- 1:40** Sebastian Schipper*, *Zombie Neoliberalism vs. Social Protests in Frankfurt am Main, Germany.*
- 2:00** Christopher Oliver*, University of Kentucky; Hugh Deaner, University of Kentucky, *Crises of overaccumulation and the three "fixes": Marx, Polanyi, and Harvey, and the role of the regulatory fix.*

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- 4501. Geographies of Hope Symposium 11: Giving Back: Defining Reciprocity in Research III (Panel) (Sponsored by Latin America Specialty Group, Rural Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Indigenous Peoples Specialty Group, Ethnic Geography Specialty Group)**

Room: Beaudry A, Westin, Lobby Level (Panel Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): RDK Herman, National Museum of the American Indian

Panelists: Kenneth D Madsen, Ohio State University; Clare Gupta, Yale University; Alice Kelly, University of California, Berkeley; Fletcher Chmara-Huff, The Ohio State University; Mark Palmer, University of Missouri-Columbia; Kathleen Sexsmith, Cornell University

- 4502. CyberGIS Symposium: Geospatial Ontology, Semantics, and Metadata II (Sponsored by Cyberinfrastructure Specialty Group, Cartography Specialty Group)**

Room: Beaudry B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Alexandre Sorokine, Oak Ridge National Laboratory

CHAIR(S): Alexandre Sorokine, Oak Ridge National Laboratory

2:40 Luc Anselin*, Arizona State University; Sergio Rey, Arizona State University; Wenwen Li, Arizona State University, *Metadata and Provenance for Spatial Analytical Operations - the Case of Spatial Weights*.

3:00 Juebo Wu, Department of Geography, National University of Singapore; Chih-Yuan Chen, Department of Geography, National University of Singapore; Bing Wu*, Nanyang Technological University, *Spatial Data Provenance with Open Provenance Model*.

3:20 Emily White*, University of Iowa; Kathleen Stewart, PhD, University of Iowa, *Examining Fiat and Force Dynamic Barriers*.

3:40 Edward H. Robinson, Ph.D.*, University of Illinois at Urbana-Champaign, *Saving the State from Occam's Razor: Social Behaviorism, Documentality, and the Existence of States*.

4:00 Alexandre Sorokine*, Oak Ridge National Laboratory; Robert N Stewart, Oak Ridge National Laboratory, *Ontology-driven geographic database design for spatio-temporal data mining*.

- 4503. Politics of Sustainability 2**

Room: La Brea, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Mine Islar, Lund University; Cheryl Sjöström, Lund University

CHAIR(S): Mine Islar, Lund University

2:40 Anna Kaijser*, Lund University, *Who marches for Pachamama? Environmental debates in Bolivia under MAS*.

2:55 Torsten Krause*, Lund University, *Market Based Mechanism For Rainforest Conservation - A Utopian Reality Or A Realistic Utopia*.

3:10 Elina Andersson*, Lund University, *Left on their own?: the micro-politics of farmer cooperation and the limitations of self-organization in development*.

3:25 Till F Paasche*, Université de Neuchâtel, *Struggling with words: the discursive making of the smart city model*.

- 4504. Critical Perspectives on Finance - Individuals, Infrastructures, and Space (Sponsored by Socialist and Critical Geography Specialty Group)**

Room: La Cienega, Westin, Lobby Level (Paper Session)

ORGANIZER(S): William Kutz, Clark University; Mark Kear, Simon Fraser University

CHAIR(S): William Kutz, Clark University

2:40 Daniel Souleles, PhD Student*, Columbia University, *The Peculiarities of Private Equity: What we might learn from the stories private equity workers make about their own unknowns*.

2:55 Mark Kear*, Simon Fraser University, *Financializing the Safety Net: Credit Scores and the Treatment of Financial Marginality*.

3:10 Stephanie Farmer*, Roosevelt University, *Cities as Risk Managers: An examination of the financialization of Chicago's parking meter system and its risks*.

3:25 William Kutz*, Clark University, *Finance at Home: The Geopolitics of Changing Urban-Architectural Forms*.

- 4505. Rethinking Exurbia: The French - US - Canada comparison**
Room: Los Cerritos, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Alex Schafran; Deirdre Pfeiffer, Arizona State University

CHAIR(S): Deirdre Pfeiffer, Arizona State University

2:40 Eric Charmes*, UMR EVS-RIVES, University of Lyon (ENTPE), *From rural villages to residential clubs: the Tieboutisation of French periurbs*.

3:00 Renaud Le Goix*, University Paris 1 Panthéon-Sorbonne, *The Street Patterns of Generic Suburbanism. A Typology to Compare Urban Form in Suburban and Exurban Planned Subdivisions in Los Angeles and Paris Urban Regions*.

3:20 Guillaume Poirer*, Ecole Normale Supérieure, *Why are exurbs still growing? Elements of discussion from the Paris and Toronto cases*.

3:40 Delphine CALLEN*, University Paris-Est Créteil - Lab'Urba, *Planned Unit Developments and the Compact suburbia in the Paris Metropolitan Region (1960s-2000s)*.

Discussant(s): Alex Schafran

- 4506. Hazards, Risks, and Geospatial Technologies**

Room: Los Feliz, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Mark Horner, Florida State University

CHAIR(S): Xiannian Chen

2:40 Jiahong Wen*, Department of Geography, Shanghai Normal University; Jianping Yan, Bureau for Crisis Prevention and Recovery, UNDP; Yanjian Wu, Department of Geography, Shanghai Normal University; Zhane Yin, Department of Geography, Shanghai Normal University, *Natural disaster risk assessment in China's coastal cities: Progress and prospect*.

3:00 Jean Michael Marcelin, Graduate Student*, Florida State University; Mark W Horner, Associate Professor, Florida State University, *Developing a spatial modeling framework for siting hurricane-related relief centers in Haiti*.

3:20 Emily K Schnebele*, George Mason University; Guido Cervone, PhD, George Mason University; Chris Oxendine, George Mason University; Nigel Waters, PhD, George Mason University, *Social Media and Remote Sensing Data Fusion for Post-Flood Traffic Assessment*.

3:40 Harini Sridharan*, Oak Ridge National Laboratory; Anil Cheriyyadat, Oak Ridge National Laboratory, *Mapping Mobile Home Parks Using Remote Sensing Data - A Feasibility Analysis*.

4:00 Xiannian Chen*, West Virginia University; Gregory A. Elmes, West Virginia University, *Dimensions of the Use of Volunteered Geographic Information (VGI) in Mass Evacuation*.

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4507. From Store Clerks to Google Searches: Curating and Filtering Information in the Cultural Economy I (Sponsored by Economic Geography Specialty Group)

Room: Palos Verdes, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Brian Hracs, Uppsala University; Melanie Fasche
 CHAIR(S): Patrick Adler, University of California Los Angeles
 2:40 Patrick Adler*, University of California Los Angeles, *'Amazon' is not a Place: Exploring the True Origins of Digital Books and Music.*
 3:00 Amy Cervenak*, University of Toronto, *Festival as curator in the international film economy: a Toronto case study.*
 3:20 Beatriz Plaza*, University of the Basque Country. Faculty of Economics., *Repositioning a City on the Internet through a Cultural Facility.*
 3:40 Melanie Fasche*, HafenCity University Hamburg, *Making value by making sense - curators and knowledge production in the art world.*
 4:00 Vivian Wang*, USC, *Elements of Taste: How Cultural Gatekeepers Cultivate the Business of Food.*
 Discussant(s): Oliver Ibert, Department of Geography, University of Bonn

4508. Road Map for 21st Century Geography Education Project

Room: San Bernardino, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Susan Gallagher Heffron, Association of American Geographers; Niem Huynh, Association of American Geographers
 CHAIR(S): Daniel Edelson, National Geographic Society
 Panelists: Emily Schell, National Geographic Society; Audrey Mohan, National Council for Geographic Education; Jill Wertheim, National Geographic; Sarah Bednarz, Texas A&M University; Jerome E. Dobson, University of Kansas

4509. Whither Small Data?: The limits of "big data" and the value of "small data" studies (Sponsored by Qualitative Research Specialty Group)

Room: San Fernando, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Jim Thatcher, Clark University; Ryan Burns, University of Washington
 CHAIR(S): Ryan Burns, University of Washington
 2:40 Jim Thatcher*, Clark University, *Living on Fumes: What "small data" interviews can tell us about Big Data's increasing role in what we know and where we are.*
 3:00 Rob Kitchen*, National University of Ireland, *The empiricist turn?*
 3:20 Mary L. Gray, PhD*, Microsoft Research/Indiana University, *Anthropology as Big Data: Making the case for shifting from models of scale to metaphors of dimension in social inquiry.*
 3:40 Ralph Schroeder*, Oxford Internet Institute, *'Big Data in the Social Sciences and Its Discontents'.*
 Discussant(s): Kate Crawford, UNSW/Microsoft Research

4510. Spatiotemporal Thinking, Computing and Applications 9: Agent based modeling (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: San Gabriel A, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Chaowei Yang, George Mason University; Weihe Wendy Guan, Harvard University
 CHAIR(S): Keith Clarke, University of California, Santa Barbara
 2:40 Einar Holm, prof*, Umeå University, *Spatial, socioeconomic impact of infrastructure endowments - a case for agent based spatial micro simulation.*
 2:58 Yu-Gyung Na*, Kyung Hee University; Won Do Lee, Ph.D.Candidate, Kyung Hee University; Chang-Hyeon Joh, Associate Professor, Kyung Hee University,

Agent-Based Modeling and Simulation for Evacuation in Extreme Weather Events.

3:16 Arthur Elmes, M.A.*, Clark University; Tim Warner, Ph.D., West Virginia University; Jamison Conley, Ph.D., West Virginia University; Rick Landenberger, Ph.D., West Virginia University, *GIS-Remote Sensing Integration in the context of Agent Based Modeling: A case study of *Ailanthus altissima* invasive species modeling.*

3:34 Qianting Zhu*, China University of Petroleum(Beijing); Jing Wu, Chinese Academy of Science; Zheng Wang, Chinese Academy of Science, *Research on carbon trading market: A agent-based simulation.*

3:52 Nanyin Zhou*, George Mason University; Min Sun, George Mason University; Manzhou Yu, George Mason University, *Analyzing Spatiotemporal Patterns of Geographers' Career Path.*

Discussant(s): Mike Batty, UCL CASA

4511. Crime Modeling and Mapping (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

Room: San Gabriel B, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Michael Leitner, Louisiana State University
 CHAIR(S): Milan Mueller, The Omega Group
 2:40 Joseph Newman, Virginia Tech; Kathleen Hancock, PE, PhD, Virginia Tech; Peter Sforza*, Virginia Tech, *Integrating Location into Crash Analysis and Mitigation Strategies.*
 3:00 Natalia Sypion Dutkowska*, University of Szczecin, *GIS Analysis of Spatial Conditions of Urban Crime. Case Study of Szczecin (Poland).*
 3:20 Xi Meng*, Chinese People's Public Security University; Wei Huang, University of Wisconsin-Milwaukee, *The application of SARA model in crime prevention: a case study of community burglary in Beijing.*
 3:40 Crystal English, CCIA*, San Diego State University/UC Santa Barbara, *Geocoding and Inference in Spatial Cluster Analyses Using Hundred-Block Crime Data.*
 4:00 Milan Mueller*, The Omega Group, *Geospatial Enablement of Precision Policing Work Flows.*

4512. Deconstructing "Emerging Asias" (Sponsored by Asian Geography Specialty Group, Symposium on New Geographies of Urban China)

Room: San Gabriel C, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Vandana Wadhwa, Boston University; Elizabeth Chacko, The George Washington University
 CHAIR(S): Vandana Wadhwa, Boston University
 Introducer: Vandana Wadhwa
 Introducer: Elizabeth Chacko
 Panelists: James Tyner, Kent State University; Lois Takahashi, University of California, Los Angeles (UCLA); Amrita Danieri, University of Toronto; David Edgington, University of British Columbia; Daanish Mustafa, King's College, London; Susmita Dasgupta, World Bank

4516. Re-evaluating the Anthropocene, Resituating "Anthropos" 4: Representing the Anthropocene (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Santa Anita C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Harlan Morehouse; Elizabeth R. Johnson, University of Wisconsin - Madison
 CHAIR(S): Elizabeth R. Johnson, University of Wisconsin - Madison
 2:40 Harlan Morehouse*, University of Minnesota, University of Vermont, *Envisioning Environmental Uncertainty: Aesthetics and Anticipatory Eco-Politics.*

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3:00 C. Greig Crysler*, Uc Berkeley; Shiloh Krupar*, Georgetown University, *Museum of Waste: A guided tour of the Anthropocene Era, featuring Chief Curator, Jayne S. Phace.*

3:20 Angela Last*, Central Saint Martins, *We are the World: Ideologies and material representations.*

Discussant(s): Bruce Braun, University of Minnesota - Minneapolis

4517. Geoscience and Geography Terminal Master's Programs - Aligning Learning Outcomes to Workforce Competencies (Sponsored by Association of American Geographers, Enhancing Departments and Graduate Education project (EDGE))

Room: Santa Barbara A, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Heather R Houlton, American Geosciences Institute; Michael N. Solem, Association of American Geographers

CHAIR(S): Heather R Houlton, American Geosciences Institute

Panelists: Michael N. Solem, Association of American Geographers; Heather R Houlton, American Geosciences Institute; Joy K. Adams, Association of American Geographers

4518. New Directions in Housing and Homelessness Research (Sponsored by Rural Geography Specialty Group, Urban Geography Specialty Group, Indigenous Peoples Specialty Group)

Room: Santa Barbara B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Julia Christensen; Lisa Freeman

CHAIR(S): Julia Christensen

2:40 Martine August, PhD Candidate*, University of Toronto, *New Directions in Canadian Social Housing: Findings from Phase I of the Regent Park Redevelopment.*

3:00 Lisa Freeman*, Simon Fraser University, Vancouver, British Columbia, *A Break from the Cement: Suburban Spaces and the Regulation of Marginalized Housing..*

3:20 Dominic A. Alaazi, Mr.*, University of Manitoba, *Aboriginality, homelessness and the therapeutic home: mapping the lived experience of Housing First participants in Winnipeg.*

3:40 Julia Christensen*, University of British Columbia, *'Our home, our way of life': spiritual homelessness and the socio-cultural dimensions of Indigenous homelessness in the Canadian North.*

4:00 Katharina Schmidt*, University of Hamburg, *Homeless Cities? Flashlights from the city of Hamburg (Germany) and the city of Rio de Janeiro (Brazil).*

4519. New Geographies of Urban China VII: Future Directions (Sponsored by Symposium on New Geographies of Urban China)

Room: Santa Barbara C, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University

CHAIR(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign

Introducer: Mei-Po Kwan

Panelists: Yanwei Chai, Peking University; Donggen Wang, Hong Kong Baptist University

4520. Evolutionary perspectives on the multinational corporation (MNC)-institution nexus III (Sponsored by Economic Geography Specialty Group)

Room: Sacramento, Westin, Level 2 (Paper Session)

ORGANIZER(S): Andrew Wood, University of Kentucky; Crispian Fuller, Aston University

CHAIR(S): Crispian Fuller, Aston University

2:40 Yuko Aoyama*, Clark University; Balaji Parthasarathy, Dr., International Institute of Information Technology, Bangalore, *Disruptive Innovation from the Global South: Market Intelligence Sourcing Activities of the*

MNEs.

3:00 Sinéad Monaghan*, University of Limerick; Patrick Gunnigle, University of Limerick; Jonathan Lavelle, University of Limerick, *Evolutionary economic geography, international business and foreign direct investment (FDI): Variation in the subnational institutional network involved in attracting and retaining FDI.*

3:20 Stuart Dawley*, CURDS, University of Newcastle; Andy Pike, CURDS, Newcastle University, *Evolving through strategic couplings? Institutional agency, the state and the region-GPN nexus.*

3:40 Paul Kalfadellis*, Monash University, *The Provision of 'After-Care' Service: Perceptions of Foreign Subsidiaries Operating in Australia.*

4:00 Andrew Wood*, University of Kentucky; Nicholas Phelps, University College London, *Mediating inward investment: the growth of the site selection industry.*

4521. Urban Geography

Room: San Diego, Westin, Level 2 (Poster Session)

ORGANIZER(S): Program Committee

Matthew O'Neill*, Oklahoma State University, *A Capitol Divided: Interstate 35 and Austin, Texas.*

Joseph C. Shelzi*, United States Military Academy, *Cultural Identity Within Pikine Senegal.*

James W Newman*, Northern Illinois University, *Variations in Measures of Racial, Ethnic, and Economic Relationships Due to Weighting and Smoothing Methodology.*

Jeffrey Zimmerman*, University of Wisconsin Whitewater; Andrew Norton, University of Wisconsin-Whitewater, *Measuring Gentrification (and De-Gentrification?) in Milwaukee: Visualizing neighborhood change through an analysis of residential price ratios and demographic data, 2000-2010..*

Christopher Angel, M.A. *, University of Arkansas, *Holistic Assessment of Nabataean Urban Geography and Morphology in Petra, Jordan.*

Thomas Kirk*, James Madison University; Meghan E Mooney*, James Madison University, *Re-Imagining the City: a Study in the Application of an Urban Ecosystem Model.*

Sarah Lopez*, Salem State University, *Massachusetts Melting Pot: a study of the Bay State's Arab-American Population.*

Maria C. Martinez*, Chapman University; Alyssa Combs, Georgia State University; Kumar K. Amarnath, DePauw University; Hannah Kaplan, Washington University of St. Louis; Mary Winsor, Georgia State University; Rebecca A. Pickering, Georgia State University; Daniel M. Deocampo, Ph.D., Georgia State University; Christina Hemphill Fuller, Ph.D., Georgia State University, *A Preliminary Spatial Evaluation of Nitrogen Dioxide Levels and Urban Environmental Health Disparities in NPU-V, Atlanta, Georgia.*

Camila Alvarez*, Florida International University; Marcos Feldman, Florida International University, *The Production of Gentrification in Wynwood, Miami's Puerto Rican Barrio.*

Miriam Russell*, UW - Eau Claire; Ryan D. Weichelt, PhD, UW - Eau Claire, *A Spatial Analysis of Musician Locations in Metropolitan United States.*

Kihwan Seo*, Arizona State University, *Hedonic valuation of urban green space in a desert city.*

Jeff Crump*, University of Minnesota, *Neighborhood Appraisal and the Geography of Mortgage Finance: The Home Ownership Loan Corporation Maps for the Twin Cities.*

C Lown*, I Vojnovic; Z Kotval; J Lee; M Ye; J Carroll; A Podagrosi; P Varnakovid; J Messina, *The Burdens of Place: A Study of Disinvestment and Decline in the Lansing Region, MI..*

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Ted Grevstad-Nordbrock*, Michigan State University; Igor Vojnovic, Michigan State University, *Historic Preservation and State-Led Gentrification in Chicago, 1970-2000*.

Steven T Thorp*, University of Delaware, *Using the Comprehensive Planning Process as a Tool for Sea Level Rise Adaptation*.

Camille Martineau, Keene State College Geography; Christa McGaha*, Keene State College Geography; Brittany Smalanskas, Keene State College Geography, *Where the Sidewalk Ends: A livability assessment of Marlborough, New Hampshire*.

Amelia Armstrong*, Keene State College; Kelley Levine, Keene State College, *Student Invasion: Addressing the Shortage of Workforce Housing in Keene, New Hampshire*.

Marcea Decker*, University of Arizona, *Impacts of Transportation on Housing Segregation*.

Rebecca Johns, Ph.D.*, Univ of South Florida St. Petersburg, *Neglected Yards and Community Landscaping*.

Jonathan Bobo*, Georgia State University; Allison Roland, Georgia State University; Zachary Hecker, Georgia State University, *Site Suitability for Smokers at Urban Universities in Atlanta, GA, USA*.

Hille Koskela*, Dr, *Geographies of participatory surveillance - from international borders to public urban space*.

Candice Michelle Weems, M.S. Geography*, Oregon State University, *The Spatial Distribution of Parks and Crime in Seattle, Washington: A study of Environmental Inequality*.

Jonathan Rivas*, James Madison University, *Landscapes: Social Division in Urban Areas*.

Jianglong Chen*, Nanjing Institute of Geography & Limnology, CAS; jinlong gao, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences; yehua Dennis wei, Department of Geography and IPIA, University of Utah; wei sun, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences, *Spatial determinants of urban land expansion in large Chinese cities: a case study of Nanjing city*.

Leslie A. Duram, PhD*, Southern Illinois University; Mary Cawley, PhD, National University of Ireland Galway, *The Role of Restaurants in a "Local" Food System: a Western Ireland Example*.

John Miele*, USMA, *Informal Power Structures and Economies in Informal Settlements of Dakar, Senegal*.

Koun Sugimoto*, Tokyo Metropolitan University, *Spatial Analytical Approach for Perception-Based Assessment of Urban Recreational Spaces: An Extraction of Sightseeing Spot Clusters Based on Different Preference Levels*.

CHEN Si*, The University of Hong Kong; Poh Chin Lai, PhD, The University of Hong Kong, *A Case study of Urban Morphological Indicators and Quality of Life*.

Paulina Wong, mPhil*, The University of Hong Kong; Poh Chin Lai, PhD, The University of Hong Kong; Melissa Hart, PhD, The University of New South Wales, *A case study of thermal effects, microclimate conditions, and marathon runners*.

4523. GIS, GPR, and Participatory Mapping

Room: San Jose, Westin, Level 2 (Illustrated Paper Session)

ORGANIZER(S): Program Committee
CHAIR(S): Fiona Davidson, University of Arkansas

2:40 Robert J Legg, PhD*, Northern Michigan University; John B Anderton, PhD, Northern Michigan University, *Exploring a Native American Early Fur Trade Site with Ground Penetrating Radar in the Northern Great Lakes*.

2:45 Jennifer K Lipton, PhD*, Central Washington University, *Participatory Mapping of Sacred Spaces: Balinese*

Temples and Land Use.

2:50 Gerianne Barnard*, Western Michigan University; Kathleen M Baker, Western Michigan University; Heather Petcovic, Western Michigan University; Caitlin Callahan, Western Michigan University, *Locational confusion among novices: Quantifying misplacement of field strategies*.

2:55 David Merwin*, Framingham State University, *Building Relationships Though a Community-focused GIS Center*.

3:00 Laura R Huaracha*, Carthage College, *Saving Lives With Geography & Graphic Design; Utilizing GIS Mapping To Support The Implementation of ClearviewHwy, A Typeface Built For High Legibility On Road Signage*.

3:05 Jennifer Ann Adams*, Pennsylvania State University, *Clustering and Outliers in Higher Education: The Spatial Patterns of U.S. Higher Education Institutions and Enrollment*.

3:10 Fiona Davidson*, University of Arkansas, *Parliamentary Behavior with regards to Scottish Legislation: A Cartographic Analysis*.

4524. Political Ecology and Environmental History: Overlap, Divergence and Opportunities (Sponsored by Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group)

Room: Avalon, Westin, Level 3 (Panel Session)

ORGANIZER(S): Gregory Simon, University of Colorado Denver; Robert Wilson, Syracuse University

CHAIR(S): Gregory Simon, University of Colorado Denver

Discussant(s): Haripriya Rangan, Monash University
Panelists: Peter Alagona, UC Santa Barbara; Robert Wilson, Syracuse University; Gregory Simon, University of Colorado Denver

4525. Cognition, Behavior, and Representation III (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)

Room: Emerald Bay, Westin, Level 3 (Paper Session)

ORGANIZER(S): Sarah Battersby, University of South Carolina; Scott Bell, University of Saskatchewan

CHAIR(S): Amy Griffin, University of New South Wales-ADFA

2:40 Jinlong Yang*, The Pennsylvania State University; Alexander Klippel, Dr., The Pennsylvania State University; Jan Oliver Wallgrün, The Pennsylvania State University, *A Framework for Analyzing Results from Category Construction Experiments*.

3:00 Heather L Petcovic*, Western Michigan University; Kathleen M Baker, Western Michigan University; Caitlin N Callahan, Western Michigan University, *The Role of Mental Models in Navigation: The Case of Geologic Mapping*.

3:20 Menno-Jan Kraak*, University of Twente / ITC, *Time graphs as geovisual analytics tools: exploring and understanding events*.

3:40 Sarah Battersby*, University of South Carolina, *Web Mercator: Cognitive, perceptual, and design issues*.

4:00 Daniel R Montello*, University of California, Santa Barbara; Alinda Friedman, University of Alberta; Daniel W Phillips, University of California, Santa Barbara, *"Like Totally SoCal": A High-Resolution Assessment of Vague Cognitive Regions*.

4526. Political Geography Plenary: The Geopolitics of Climate Change (Sponsored by Political Geography Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: Hollywood Ballroom, Westin, Level 3 (Panel Session)

ORGANIZER(S): Philip Steinberg, Florida State University

CHAIR(S): Philip Steinberg, Florida State University

Introducer: Philip Steinberg

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2:45 Simon Dalby, Carleton University

Panelists: Jessica Lehman, University of Minnesota; Nigel Clark, Lancaster University; Matthew Kahn, University of California Los Angeles

4527. Uneven Geographies of Health Disparities (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica A, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): Debarchana (Debs) Ghosh, University of Connecticut

2:40 Sue C. Grady, PhD, MPH*, Michigan State University, *Racial Residential Segregation Impacts on Population Health Disparities: A Spatial-Epidemiological Study.*

3:00 Libbey Kutch*, Michigan State University; Sue Grady, Michigan State University, *Disentangling Race/Ethnicity and Income to Investigate Infant Mortality Disparities in Michigan Using Automated Zoning Methodology (AZM).*

3:20 Maggie Mae Kovach*, University of North Carolina - Chapel Hill; Charles E Konrad, II, University of North Carolina - Chapel Hill, *Climate-Health Vulnerability: Identifying Climate Thresholds for Heat-Related Illness in North Carolina.*

3:40 Juan Declet-Barreto*, Arizona State University; Sharon Harlan, Arizona State University; Diana Pettiti, Arizona State University; Benjamin Ruddell, Arizona State University, *Heat vulnerability in Phoenix, Arizona: Health outcomes, sensitivity, exposure, and coping capacity at the neighborhood scale.*

4:00 Debarchana (Debs) Ghosh*, University of Connecticut; Patrick Gallagher, University of Connecticut, *Disparity in obesity: A tale of two cities in urban Ohio.*

4528. Geographies of Obesity II: Diet and Food Environments (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica B, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): Scott Bell, University of Saskatchewan

2:40 Junfang Chen*, Texas State University; Yongmei Lu, Texas State University, *Towards a comprehensive understanding of childhood obesity and environment.*

3:00 W Jay Christian, MPH*, University of Kentucky; Jeff Levy, University of Kentucky, *Mapping the Retail Food Environment Index.*

3:20 Neeraj Garg Baruah, Mr.*, University of Cambridge, *Spatiotemporal Analysis of The Evolution of Urban Food Environment.*

3:40 Daniel Ervin, PhD Student*, UC Santa Barbara, Department of Geography, *Twin Gods: A Mixed-Method Investigation of Diet Change in Latino Immigrants.*

4:00 Frances Currin Mujica, Ph.D.*, The University of South Alabama; Sam Stutsman, The University of South Alabama, *Assessing the Food Environment: Food Desert Validation and Identification in the City of Mobile.*

4529. Geography and Health: International Perspectives (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: Santa Monica C, Westin, Level 3 (Paper Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): Mark W Rosenberg, Queen's University

2:40 Christine E Chung*, Mailman School of Public Health, Columbia University; Malick Kante, PhD, Mailman School of Public Health, Columbia University; James F Phillips, Mailman School of Public Health, Columbia University, *Do women bypass village services for better maternal health care in clinics? A case study of antenatal care seeking in three rural Districts of*

Tanzania.

3:00 Akwasi Kumi-Kyereme*, University of Cape Coast, *Household Wealth Status, Spatial Characteristics and Health Insurance Subscription among Women in Ghana.*

3:20 Kevon Rhiney, PhD*, University of the West Indies - Mona; Donovan Campbell, PhD., Caribsave Partnership; Chad Hines, MD, Kingston Public Hospital, *Effects of socio-environmental stressors on asthma-related hospital admissions in Kingston, Jamaica.*

3:40 Evelyn Marsters*, University of Auckland, *Transnationalism, Tuberculosis and Type 2 Diabetes: Understanding Cook Islanders Experiences of Disease.*

4530. Global/Local Competitiveness and the Emergence of New Geographies of Production - from the BRICs to Phoenix Industries (II) (Sponsored by Global Urbanization, Economic Geography Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Vida Vanchan, Buffalo State College; John Bryson, University of Birmingham

CHAIR(S): John Bryson, University of Birmingham

2:40 Stefano Ponte, Professor*, Copenhagen Business School, *Changing Geographies of Production: Emerging Economies, Sustainability Certification and Governance in the Global Value Chain for Biofuels.*

3:00 Bob Bell*, UC Berkeley, *Emergence of South African and Kenyan business process outsourcing sectors.*

3:20 Edward J Malecki*, Ohio State University, *The Internet: Produced, Consumed, Governed.*

3:40 Ronald Kalafsky*, University of Tennessee, *The Export Performance of Korean Machine Tool Firms and The Use of Trade Fairs.*

4:00 Douglas R. Gress*, Seoul National University; Ronald V. Kalafsky, University of Tennessee - Knoxville, *Trade Fairs as an Export Marketing and Research Strategy: Results from a Study of Korean Advanced Machinery Firms.*

4534. Perspectives on (Sub)Urban Sprawl, Smart Growth, Inner City Developments: Issues, Analysis and Critiques (2) (Sponsored by Regional Development and Planning Specialty Group, Global Urbanization, Urban Geography Specialty Group, Energy and Environment Specialty Group)

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Sun Hui Sim, University of North Alabama; Francis Koti, University of North Alabama

CHAIR(S): Sun Hui Sim, University of North Alabama

2:40 Katherine E Williams*, Placeways LLC, *Exploring the Cost of Urban Sprawl in New Hampshire through a Web-based Map Visualization Tool.*

3:00 Scott Vargo*, Macalester College, *Comparative Analysis of Suburban Main Street Redevelopment - Concepts and Practices in a Broader Context.*

3:20 Oscar Sosa*, UC Berkeley, *Globalization, Local Politics, and the Post-developmental Capital: Mapping the Transformation of Mexico City 1990-2012.*

3:40 Sang Mook Shin*, Seoul National University; Kyung Min Kim, Seoul National University, *Achieving Economic Growth and Local Conservation Through Redevelopment: the Case of Sewoon District in Seoul.*

4:00 Francis Koti*, University of North Alabama, *Sprawl Effects in Small Rural Towns: A Critical Perspective.*

4535. Breaking out, and out of, the book: Strategies for introducing outside content while building on the introductory geography textbook (Sponsored by Geography Education Specialty Group, Community College Affinity Group)

Room: Laguna Parlor 3028, Westin, 30th Floor (Panel Session)

ORGANIZER(S): Sarah Goggin; Kalli Doubleday

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CHAIR(S): Sarah Goggin
 Discussant(s): Darrel Hess, City College of San Francisco; Erin H Foubert, Northern State University
 Panelists: Kalli Doubleday; Larry Kleitches, Texas State University-San Marcos; Joseph P Stoltman, Western Michigan University; Meredith Marsh, Lindenwood University

4536. Sacrifice Zones 2 - Cities & Communities

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Alec Brownlow, DePaul University

CHAIR(S): Harold Perkins, Ohio University

2:40 Andreas Bruck*, ARUS / TU-Berlin, *Temporality, Technology & Sacrifice*.

3:00 Lucas O. Kirkpatrick, PhD*, University of Michigan, *Public Infrastructure, Shrinking Cities, and Sacrifice Zones: The Case of Detroit*.

3:20 Lindsey Dillon*, UC Berkeley, *Spaces of "letting die": Rethinking race, violence, and urban neglect through Foucault's concepts of biopower and milieu*.

3:40 Katy Guimond*, University of California, Berkeley, *"Economic diversity" and the revitalization of the South Bronx: Sacrificing the poor for economic development*.

4:00 Gary Dymiski, University of Leeds; Jesus Hernandez*, University of California, Davis, *From Prison and Housing Construction to Wealth Evisceration to City Destruction*.

4537. Aeolian Processes and Landforms (Sponsored by Coastal and Marine Specialty Group, Geomorphology Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Brandon L Edwards, Louisiana State University

CHAIR(S): Phillip Schmutz, Louisiana State University

2:40 Katherine A Renken*, Louisiana State University; Steven L Namikas, LSU Department of Geography and Anthropology, *Aeolian flow dynamics and shear stress partitioning in coastal dune grasses*.

3:00 Brandon L Edwards*, Louisiana State University; Steven L Namikas, Louisiana State University, *Predicting aeolian transport thresholds based on grain size-range*.

3:20 Christy Swann*, Texas A&M University, *Wind-Blown Sand: Threshold of Motion*.

3:40 Bernard Bauer*, University of British Columbia - Okanagan; Robin Davidson-Arnott, University of Guelph; Ian Walker, University of Victoria; Patrick Hesp, Louisiana State University; Jeff Ollerhead, Mt. Allison University; Connie Chapman, University of Victoria, *Aeolian Flux Profiles During Unsteady Winds*.

4:00 Steven L Namikas*, Louisiana State University; Phillip Schmutz, Louisiana State University; Brandon Edwards, Louisiana State University, *Influence of Evaporation and Condensation on the Surface Moisture Content of Beach Sediment*.

4538. Multi-temporal Analysis of Remote Sensing Data: Methods and Applications I (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Le Wang, SUNY at Buffalo

CHAIR(S): Le Wang, SUNY at Buffalo

2:40 Kellie Uyeda*, San Diego State University, *Characterizing chaparral biomass accumulation based on MODIS NDVI time series*.

3:00 Michael P. Bishop, Ph.D.*, Texas A & M University; Jeffrey D. Colby, Ph.D., Appalachian State University; Anthony M. Filippi, Ph.D., Texas A & M University, *Evaluation of Topographic Normalization Methods for Multispectral Satellite Data*.

3:20 Tao Zheng*, Central Michigan University; Pangle Kevin,

Dr., Central Michigan University; Yong Tian, Dr., Central Michigan University, *Lake Erie Water Clarity from Remotely Sensed Imagery*.

3:40 Katherine S Willis, MA*, University of California, Los Angeles (UCLA); Stacey Ostermann-Kelm, PhD, Mediterranean Coast Network NPS I&M Program; Lena Lee, MA, Mediterranean Coast Network NPS I&M Program; Thomas W Gillespie, PhD, University of California, Los Angeles (UCLA); Glen M MacDonald, PhD, University of California, Los Angeles (UCLA); Felicia Federico, PhD, University of California, Los Angeles (UCLA), *A historical report of landscape dynamics in three southern California National Parks: monitoring changes in land use, vegetation type, phenology, and light pollution using remote sensing*.

4:00 Le Wang*, SUNY at Buffalo, *Understanding saltcedar invasions with three decades' Landsat TM imagery*.

4539. Surviving and Thriving as a Stand Alone Geographer (SAGE) I (Sponsored by Stand-Alone Geographers Affinity Group)

Room: Laguna Parlor 3068, Westin, 30th Floor (Panel Session)

ORGANIZER(S): Brian Edward Johnson, Auburn University at Montgomery; Amanda Rees, Columbus State University

CHAIR(S): Brian Edward Johnson, Auburn University at Montgomery

Panelists: Carolyn Gallaher, American University; Bradley Lane, The University of Texas at El Paso; Helen Ruth Aspaas, Virginia Commonwealth University; J Abbott, Stetson University; Eric Carter, Macalester College

4540. Topics in Spatial Analysis and Economic Geography 2

Room: Malibu Parlor 3018, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Jeffrey Cohen, University of Hartford

CHAIR(S): Danlin Yu, Montclair State University

2:40 Daniel A Griffith*, University of Texas - Dallas; Igor Vojnovic, Michigan State University; Zeenat Kotval-Karamchandani, Michigan State University; Jieun Lee, Michigan State University, *Travel Behavior in the Lansing Region: Perceived Versus Minimal Distances in Reaching Food Sources*.

3:00 Jeffrey J Eloff*, University of Toledo; Jeffrey P Cohen, PhD, University of Hartford, *Food Manufacturing: Transport Infrastructure and Industrial Costs*.

3:20 Yonghua Zou*, Temple University, *Housing Mortgages, Housing Prices, and Housing Sub-market within a Metropolitan Area: A case of the Philadelphia Region*.

3:40 Danlin Yu*, Montclair State University, *Community Pharmacies and addictive Products: Sociodemographic Predictors of Accessibility from a Mixed GWR Perspective*.

4:00 Isabella Gollini*, National Centre for Geocomputation; Christopher Brunson, University of Liverpool, UK; Tomoki Nakaya, Ritsumeikan University, Kyoto, Japan; Paul Harris, National Centre for Geocomputation, NUI Maynooth, Ireland; Martin Charlton, National Centre for Geocomputation, NUI Maynooth, Ireland, *Investigating Spatial Non-Stationarity by comparing different regression models*.

4541. Geography of the Contemporary Global Food Crisis (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Malibu Parlor 3038, Westin, 30th Floor (Panel Session)

ORGANIZER(S): Brian Marks, University of Arizona

CHAIR(S): Brian Marks, University of Arizona

Introducer: Brian Marks

Panelists: William Dando, Indiana State University; Christina Greene, Brian Marks, University of Arizona; Claire Parfitt, University of Sydney

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4542. Waterfront Landscapes and the Politics of Globalization (Sponsored by Landscape Specialty Group)

- Room:** Malibu Parlor 3058, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Michelle Metro-Roland, Western Michigan University; James Hayes, California State University Northridge
 CHAIR(S): Michelle Metro-Roland, Western Michigan University
 2:40 Jenny Muir*, Queen's University Belfast; Philip Boland*, Queen's University Belfast, *Neoliberalisation and the waterfront: urban transformation and the competitive city.*
 3:00 Jussi Kulonpalo*, University of Helsinki, *Critical Perspective on Urban Planning Policy and Implementation in Helsinki.*
 3:20 Goran Vukovic*, University of Zadar, *Urban and Economic Transformation of Sibenik.*

4543. Creative Pedagogy and the Geography of North America (Sponsored by Geography Education Specialty Group, Cultural Geography Specialty Group)

- Room:** Malibu Parlor 3078, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Sarah Smiley, Kent State University at Salem; Chris Post, Kent State University at Stark
 CHAIR(S): Chris Post, Kent State University at Stark
 2:40 Sara Beth Keough, Ph.D.*, Saginaw Valley State University, *Teaching Topically: An Alternative Approach to Teaching U.S. and Canada Courses.*
 3:00 Sarah Smiley*, Kent State University at Salem, *Using Popular Culture to Teach the Geography of the United States and Canada.*
 3:20 Chris Post*, Kent State University at Stark, *Work, Pride, and Parties: Student Interpretations of North American Regional Music.*
 3:40 Matthew Liesch*, Central Michigan University, *Student Perceptions of Vernacular Regions.*
 Discussant(s): Fred Shelley, University of Oklahoma

4544. Legacies of Environmental Injustice in the Other California (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)

- Room:** Malibu Parlor 3118, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Brinda Sarathy, Pitzer College
 CHAIR(S): Brinda Sarathy, Pitzer College
 2:40 Jonathan K London, Ph.D.*, UC Davis, *Air Resistance: Turbulent Narratives and Environmental Politics in California.*
 3:00 Brinda Sarathy*, Pitzer College, *Laid to Waste: Environmental Justice in Southern CA.*
 3:20 Juan De Lara*, University of Southern California, *Organizing Up and Down the Commodity Chain: The New Geographies of Social Movement Organizing in Greater Southern California.*
 3:40 Traci B Voyles*, Loyola Marymount University, *Imperial Politics: Environmentalism, Power, and the Life and Death of the Salton Sea.*
 Discussant(s): Laura Pulido, University of Southern California

4545. Southeast Asia and Urban Studies' Southern Turn

- Room:** Malibu Parlor 3138, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Jamie Gillen, National University of Singapore; Tim Bunnell
 CHAIR(S): Tim Bunnell
 2:40 Diganta DAS*, National Institute of Education - Nanyang Technological University, *Exploring Human Geographies of Splintering Urbanism.*
 3:00 Marie Gibert*, University Paris 1 Panthéon-Sorbonne, *The journey of an urban model: Rethinking public spaces in postcolonial Southeast Asian cities..*
 3:20 Jamey Essex*, University of Windsor, *The Geopolitics of Development Interventions in Urban Areas: Jakarta*

and the Global Aid Architecture.

- 3:40 Jamie Gillen*, National University of Singapore, *Southeast Asia and Urban Studies' Southern Turn: Alternative networks of growth.*

4546. From Palestine to Mexico 2. Towards comparative work: urban spaces beyond the border (Sponsored by Middle East Specialty Group, Socialist and Critical Geography Specialty Group, Borders)

- Room:** Malibu Parlor 3158, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Noura Alkhalili, Lund University; Linda Quiquix, Brown University
 CHAIR(S): Ilaria Giglioli
 2:40 Lucy EJ Thinkell*, University of Cambridge, *Elite Geographies Beyond the Border: a case study of the Gaza Strip.*
 2:50 Natasha Aruri*, University of Duisburg-Essen, *Ramallah prévoyant : the enclave beyond.*
 3:00 Hazem Alnamla*, IHEID-Geneva, *Mapping a present: Space, Time and Community in the Occupied Palestinian Territories.*
 3:10 Jennifer Mogannam, PhD Student*, Ethnic Studies - University of California, San Diego, *Ramallah and the Palestinian Authority: A Rising Elite and Social Impacts.*

4547. Physical Geography: Biogeography and Geomorphology

- Room:** Malibu Parlor 3178, Westin, 31st Floor (Interactive Short Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Woonsup Choi, University of Wisconsin-Milwaukee
 2:40 Kaelin M. Groom*, CU Denver; Casey D. Allen, University of Colorado Denver, *Benefits of Geomorphologic-Based Research to Support Cultural Heritage Management of Grenada's Carib Stones.*
 2:45 Suchitra Pardeshi*, A.M. College, *Geomorphic Assessment of Kas-Patan Lateritic Plateau in Maharashtra, India.*
 2:50 Prashant Magar*, Govt. Vidarbha Institute of Science & Humanities,, *Spatio Temporal Landuse Changes along Mula Mutha River Terraces.*
 2:55 Giancarlo Sadoti*, University of Nevada, Reno; Thomas P Albright, University of Nevada, Reno, *Extreme weather and the museum vault: making the climate connection with historic egg sets.*
 3:00 Ryan S Anderson*, University of Wyoming; Steven D Prager, University of Wyoming, *Simulating Soil Management Strategies to Understand Conservation Best Practices in Rainfed Agroecosystems.*
 3:05 Parviz Zeaieanfirouzabadi*, kharazmi university; Hamidreza Talkhabi, kharazmi University, Tehran Iran; Leila Hosseini, kharazmi University, *Change Detecting Study Using Satellite Images and Climate Data Over Mighan Desert Basin, Iran.*
 3:10 Sunyurp Park*, Pusan National University (Geography), *Sensor Geometry and Phenological Signals from MODIS VI Time-Series of the Korean Peninsula.*
 3:15 Jinmu Choi*, KyungHee University, *Sequence Alignment Method for Multitemporal Land Cover Data.*
 3:20 Sangjun Kang, Ph.D., Gyeonggi Research Institute; Woonsup Choi*, University of Wisconsin-Milwaukee, *Morphological Changes of Forest and Urban Land Cover in North Korea, 1980-2000.*

4550. Port Cityscapes: Dynamic Perspectives on the Port-City-Waterfront Interface III (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Transportation Geography Specialty Group)

- Room:** Angeleno, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Wouter Jacobs, Utrecht University; Carola Hein
 CHAIR(S): Carola Hein

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- 2:40** Stephen Ramos*, University of Georgia, *Competitive Port Expansion on the U.S. Eastern Seaboard: The Case of Savannah.*
- 2:55** David Guerrero, Researcher*, University Paris-Est, IFSTTAR; Jean-Paul Rodrigue, Professor, University of Hofstra (NY), *The spatial diffusion of containerization.*
- 3:10** Patrick Haughey, Ph.D.*, Savannah College of Art and Design, *The Port of Georgia: The Historic City and the Landscape of Economy.*
- 3:25** Matthew C Bogdan*, University of Southern California; Marie Sullivan; Emily Hsuing; Maura Velasco; Therese Franklin; Alice Liu; Jan Green-Rebstock; Jae Park; Yuancao Yu; Grace Chou; Chia-Hua Tang; Eleanor Yoon; Candy Chi; Juliet Lee; Eva Shi; Joe Tai; Hanyu Xue, *The Ports of Los Angeles-Long Beach and Ningbo-Zhoushan: An Illuminative Comparative Analysis to Inform Future Development.*
- 3:40** Pauline Blount*, Bryn Mawr College, *The Port of Seattle in Popular Imagination: Advertising and newspapers as growth and decline engines.*
- Discussant(s): Christopher Fowler, Pennsylvania State University
- 4551. Urban Weather and Climates (II) - Mitigation and Micrometeorology (Sponsored by Regional Development and Planning Specialty Group, Climate Specialty Group, Urban Geography Specialty Group)**
- Room:* Bunker Hill, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): Winston Chow, Arizona State University; Chandana Mitra, Auburn University
- CHAIR(S): Chandana Mitra, Auburn University
- 2:40** Ying-Jung Chen*, University of California - Santa Barbara; Joseph P. McFadden, University of California-Santa Barbara, *Estimating irrigation in residential areas of Los Angeles using SPOT imagery.*
- 3:00** Andrew Oliphant*, San Francisco State University; David Whiteman, University of Utah; John Horel, University of Utah; Tom Horst, National Center for Atmospheric Research, *Micrometeorology in Salt Lake City during persistent cold pool events.*
- 3:20** Stephanie M. Cowles*, San Francisco State University; Andrew J. Oliphant, Ph.D., San Francisco State University, *Investigations of the park cool island effect of Golden Gate Park, San Francisco.*
- 3:40** Andrew Speak, MSc*, University of Manchester; James Rothwell, Dr, University of Manchester; Sarah Lindley, Dr, University of Manchester; Claire Smith, Dr, University of Leicester, *Reduction of the urban cooling effects of an intensive green roof due to vegetation damage.*
- 4:00** James A Voogt*, Dept. of Geography, University of Western Ontario; Dimuth Kurukulaarachchi, Dept. of Geography, University of Western Ontario; Maja Staniec, Dept. of Civil and Environmental Engineering, University of Western Ontario; Philip Santana, Planmac Engineering, Toronto ON; Clare Robinson, Dept. of Civil and Environmental Engineering, University of Western Ontario, *The Green Roof Energy Balance in Two Canadian Cities.*
- 4553. Making Latin American Cities (Sponsored by Latin America Specialty Group, Global Urbanization, Urban Geography Specialty Group)**
- Room:* Grand Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): David Salisbury, University of Richmond
- CHAIR(S): Clark Taylor, University of California, Los Angeles (UCLA)
- 2:40** Johann D Garcia, PhD Student*, University of Illinois at Chicago, *The concept of place beyond individual experience and resistance of excluded communities.*
- 3:00** Kate Maclean*, King's College London, UK, *The Medellin Miracle? Gender, leadership and 'social urbanism'.*
- 3:20** Michael Lukas*, Universidad de Chile, *Latin America's Post-Suburbia in the Making. The Role of Capital, Power and Knowledge in the Case of Santiago, Chile.*
- 3:40** Clark Taylor*, University of California, Los Angeles (UCLA), *Latin American Iterations of the City Beautiful Movement.*
- 4554. Living with difference: making communities out of strangers**
- Room:* Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): Catherine Harris, University of Sheffield
- CHAIR(S): Lucy Jackson, University of Sheffield
- 2:40** Catherine Harris*, University of Sheffield; Gill Valentine, University of Sheffield, *Lived experience: the transmission of attitudes towards difference.*
- 3:00** Carla Barbosa*, Raquel Pedercini; Toni Liechty, *Leisure Spaces for Lesbians: A Brazilian Study.*
- 3:20** Jenny Olofsson*, Umeå University, Sweden, *A Sense of Belonging - Social Integration among East European Immigrants in Sweden.*
- 3:40** Liv Raddatz*, Temple University, *Between Continuity and Change: Exploring Polish Migrants' Experiences in the Labor Market of Berlin, Germany.*
- 4:00** Margarida Queiros*, University of Lisbon, *Planning Spatial Equality and Diversity for Gender Equity in Municipalities.*
- 4555. Women in Geography Across the Sub-Disciplines (Sponsored by Geographic Perspectives on Women Specialty Group, Biogeography Specialty Group)**
- Room:* Grand Ballroom Salon 4, The LA Hotel, Level 2 (Panel Session)
- ORGANIZER(S): Arielle Hesse, University of Bristol, Penn State
- CHAIR(S): Arielle Hesse, University of Bristol, Penn State
- Introducer: Amanda B. Young
- Introducer: Jennifer M Smith
- Discussant(s): Nadine Schuurman, Simon Fraser University
- Panelists: Sally Horn, University of Tennessee; Robin Leichenko, Rutgers University
- 4556. The Living New Deal: Towards a Revival of the Public II (Histories)**
- Room:* Highland, The LA Hotel, Level 2 (Paper Session)
- ORGANIZER(S): Rachel Brahinsky, University of California - Berkeley; Gray Brechin, Living New Deal
- CHAIR(S): Richard Walker, University of California-Berkeley
- 2:40** Lisa Dorrill, Ph.D.*, Dickinson College, *TVA Power: Promoting the Tennessee Valley Authority in New Deal Murals.*
- 3:00** Jan Goggans, PhD*, UC Merced, *East of Hollywood.*
- 3:20** Ray F Kibler III, Ph.D., D.Min.*, Independent Scholar in Church History and Ecumenical Studies, *Religion in the WPA, Present or Absent.*
- 3:40** Betty Elaine Smith, Ph.D.*, Eastern Illinois University, *Geographic Rationale for Civilian Conservation Corp Construction of Ponderosa Truck Trail.*
- Discussant(s): Gray Brechin, Living New Deal
- 4557. Geographies of Peace III: Pedagogy of Peace (Sponsored by Political Geography Specialty Group, Asian Geography Specialty Group)**
- Room:* Hollywood, The LA Hotel, Level 2 (Panel Session)
- ORGANIZER(S): Colin Flint, University of Illinois at Urbana-Champaign; James Tyner, Kent State University
- CHAIR(S): Colin Flint, University of Illinois at Urbana-Champaign
- Panelists: Amy Mills, University of South Carolina; Nicholas Megoran, University of Newcastle Upon Tyne; Elizabeth A. Oglesby, University of Arizona; Steven Radil, Ball State University; Guntram Herb, Middlebury College

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4558. Water Resources and Sustainable Development, Session II (Sponsored by Middle East Specialty Group, Africa Specialty Group, Water Resources Specialty Group)

Room: Melrose, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Ezgi Akpinar Ferrand, Southern Connecticut State University

CHAIR(S): Ezgi Akpinar Ferrand, Southern Connecticut State University

2:40 Christopher Scott*, University of Arizona, *Global Assessment of Water for Energy*.

3:00 Susanna T.Y. Tong, PhD*, University of Cincinnati; Yu Sun, University of Cincinnati, *Assessment of the Best Management Practices under Future Climate and Land Use Change Scenarios of the Las Vegas Wash Watershed*.

3:20 Thushara Ranatunga*, Department of Geography, University of Cincinnati, Ohio; Susanna Tong, Department of Geography, University of Cincinnati, Ohio; Yu Sun, Department of Geography, University of Cincinnati, Ohio; Jeff Yang, US Environmental Protection Agency, Cincinnati, Ohio, *Total water management in a semi-arid, urbanized watershed: A case study of Las Vegas, Nevada*.

3:40 Julian Fulton*, UC Berkeley, *California's Historical Water Footprint: Expanding Notions of Sustainable Use*.

4:00 Julia C Bausch*, School of Sustainability, Arizona State University; Hallie Eakin, School of Sustainability, Arizona State University; Cathy Rubiños, School of Sustainability, Arizona State University; Abigail M York, School of Human Evolution and Social Change, Center for the Study of Institutional Diversity, Arizona State University; Rimjhim Aggarwal, School of Sustainability, Arizona State University, *Adaptive Capacity at the Agriculture-Urban Interface: The case of Central Arizona*.

4559. Hazards, Risks, and Disasters Specialty Group Session: Analysis of Atmospheric Hazards and Disasters (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Olvera, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Ronald R Hagelman III, Texas State University

CHAIR(S): Ronald R Hagelman III, Texas State University

2:40 David Keellings*, University of Florida; Peter Waylen, University of Florida, *Characterizing Climatological Heat Wave Risk in Florida using Extreme Value Analysis*.

3:00 Lili Lu*, Beijing Normal University, *Is 2008 Snow Storm Hazard An Extreme Phenomenon?*.

3:20 Keeley Heise*, Dept of Geography, Oklahoma State University, *Assessing the Vulnerability of the Northern Great Plains to a Severe Snowstorm/Blizzard*.

3:40 Adam B Cinderich*, Kent State University; Andrew Curtis, Kent State University, *Utilizing spatial video data collection in a post-disaster environment: The Joplin Tornado of May 22nd 2011*.

4560. Contemporary Issues and Historical Perspectives in Military Geography (Sponsored by Military Geography Specialty Group)

Room: Olympic, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Andrew Lohman

CHAIR(S): Andrew Lohman

2:40 Francis A. Galgano, Ph.D.*, Villanova University, *The Environment and Security: The Ogaden War of 1977*.

3:00 Kevin Evringham, MA*, University of Connecticut, *The United States Military Realignment on Okinawa*.

3:20 Laura Jean Palmer-Moloney*, USACE - ERDC, *More than an Essential Service: Understanding Water's Role in Security and Stability, Regional Command Southwest, Afghanistan*.

3:40 Wiley Thompson, PhD*, West Point, *Guests or Pests: Past,*

Present and Future Contexts for Military Actors in Humanitarian Space.

4:00 Andrew Lohman*, West Point, *Military Geography and Civil Affairs: Progress and Perspectives*.

4561. Geographies of Media VII: Social Media, New Media, & Video Games (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Joseph Palis, North Carolina State University; John Finn, Christopher Newport University

CHAIR(S): Julie Cupples, University of Canterbury

2:40 Leigh Schwartz*, University of Texas at Austin, *Exploring the Imaginative Geographies of Video Games*.

3:00 Julie Cupples*, University of Canterbury; Kevin Glynn, University of Canterbury, *The Mediation of Disaster: Hurricanes Katrina and Felix in/and the New Media Environment*.

3:20 Emily Fekete*, University of Kansas, *FourSquare: Using Social Media to Assess Consumption Patterns*.

3:40 Alexander Tarr*, UC Berkeley Geography, *The Garden in the Machine: Social Media and the Urban Agriculture Renaissance*.

4562. History of Geography I: Expeditions, Field Experiences, and Geographical Societies (Sponsored by Polar Geography Specialty Group, History of Geography Specialty Group, AAG Archives and Association History Committee)

Room: Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Dorothy Sack, Ohio University

CHAIR(S): Gregory Pope, Montclair State University

2:40 Dorothy Sack*, Ohio University, *Nineteenth Century Geomorphic Observations in the American West, with an Emphasis on Lake Bonneville*.

3:00 JoAnn (Jodi) Vender*, Pennsylvania State Univ, *"Doing Geography" in Turn-of-the-(20th)-Century America: The Role of Geographical Societies*.

3:20 Frederick E Nelson*, University of Delaware; Timothy E. Heleniak, American Geographical Society; Susan M. Peschel, American Geographical Society Library, *"The Advancement of Exploration Along Scientific Lines": The American Geographical Society and the Arctic, 1851-1950*.

3:40 Harley Walker*, Louisiana State University, *A Summer with Carl Sauer: Cochineal, Pulque and Tequila*.

4:00 Manuel Molla*, Universidad Autonoma De Madrid, *Eduardo Hernandez-Pacheco and the Role of Photography in His Representations of Landscape..*

4563. Post-secular spaces: explorations beyond secular theory and research II

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Banu Gokariksel, University of North

Carolina, Chapel Hill; Elizabeth Olson, UNC-Chapel Hill

CHAIR(S): Elizabeth Olson, UNC-Chapel Hill

2:40 Banu Gokariksel*, University of North Carolina, Chapel Hill; Anna Secor*, University of Kentucky, *'I have nothing to do with politics!': Religio-political configurations of veiling-fashion in Turkey*.

3:00 Nicolas Howe*, Williams College, *Landscapes of the secular*.

3:20 Justin Wilford*, University of California Los Angeles, *How spaces of secularization become post-secular*.

3:40 Kasia Narkowicz*, University of Sheffield, *A Mosque in the Catholic City. Catholic, Muslim and Secular Tensions in Post-Communist Warsaw*.

Discussant(s): Patricia Ehrkamp, University of Kentucky

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4564. Light, Landscape and Place III: Space and the Qualities of Light

Room: Pico, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Steve Millington, Manchester Metropolitan University; Tim Edensor, Manchester Metropolitan University

CHAIR(S): Tim Edensor, Manchester Metropolitan University
 2:40 joni m palmer, PhD*, Independent Scholar, *Rural Public Arts: Vernacular Materials, Light, Landscape, and Time.*

3:00 Nona Schulte-Roemer*, WZB, *When waves pose material problems: how to learn from studies on 'soundscapes'.*

3:20 Susanne Seitingen*, MIT Media Lab; Susanne Seitingen, Philips Color Kinetics, *A New Wave of Place-making through Light.*

3:40 Steve Millington*, Manchester Metropolitan University, *Lighting festivals and the reconstruction of night-time urban identities.*

4570. Remote Sensing and Soils

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Patrick Pease, University of Northern Iowa

2:40 Qiusheng Wu*, University of Cincinnati; Hongxing Liu, University of Cincinnati, *Evaluation of SMOS soil moisture products over the contiguous U.S. using in situ sensor networks.*

3:00 Qian Yu*, University of Massachusetts; Changjiang Ye, University of Massachusetts-Amherst, *Modeling Soil Dissolved Organic Carbon Leaching at Watershed Scale.*

3:20 Darcy Boellstorff*, Bridgewater State University, *Terrain derivative values and automated mapping results for glaciofluvial soil survey map units in Plymouth County, Massachusetts.*

3:40 Weidong Li, University of Connecticut, Department of geograph; College of Resources and Environment, Huazhong Agricultural University; Chuanrong Zhang*, University of Connecticut, Department of Geography & Center for Environmental Sciences and Engineering, *A Bayesian Markov Chain Co-Simulation Approach for Updating Categorical Soil Maps.*

4:00 Patrick Pease*, University of Northern Iowa, *Laser-Induced Breakdown Spectroscopy (LIBS) as an Emerging Analytical Tool for Geographer.*

4571. Blue and Green Economies 2: Paradigm shift or hegemonic realignment in environmental discourse? (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Bernard's, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Luke Fairbanks, Duke University; Catherine Corson, Mount Holyoke College

CHAIR(S): Ken MacDonald, University of Toronto

2:40 Zachary R Anderson*, University of Toronto; Kenneth Ian MacDonald, University of Toronto-Scarborough, *Seeing REDD: Climate Change and the Violence of Green Growth..*

3:00 Tracey Osborne*, University of Arizona, *REDD Flags: Climate Change Mitigation and Accumulation by Dispossession in a Mexican Rainforest.*

3:20 Rebecca Pearse, University of New South Wales; Bryan R Bushley*, University of Hawai'i Manoa, *From controversy to compromise? Unpacking the dissensus over market-funded REDD.*

3:40 Yiting Wang*, Yale University School of Forestry and Environmental Studies; Catherine Corson, Mount Holyoke College, *The Production of a Virtual Commodity: Clean Cook Stoves and Carbon Offsets in Rural Kenya.*

4:00 Susanne Freidberg*, Dartmouth College, *Big Pictures of Nowhere: Contested Sustainability Metrics in Supply*

Chain Capitalism.

4572. Using ICT for transport to facilitate the development of Green Economy (Sponsored by Transportation Geography Specialty Group)

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Nikolas Thomopoulos, University of Leeds

CHAIR(S): Nikolas Thomopoulos, University of Leeds

2:40 Hongmian Gong*, Hunter College -- CUNY, *Use of Smartphone for Sustainable and Healthy Travel Mode Choices.*

2:55 Nikolas Thomopoulos, Dr*, University of Leeds, *Using ICT for transport to facilitate 'green' development: threats and opportunities.*

3:10 Bernard Gyergyay*, UN-Habitat, *The use of ICT to provide incentives to change habitual travel patterns..*

3:25 Anand R Gopal, Ph.D.*, Lawrence Berkeley National Laboratory; Laura Schewel, University of California, Berkeley; Samveg Saxena, Ph.D., Lawrence Berkeley National Laboratory, *The Transportation Leapfrog: Getting Driving Data with Smart Phones in India to Improve Vehicle Efficiency.*

4573. Knowledge Discovery in Cyberspace and Social Media - Session TWO (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)

Room: Corinthian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Ming-Hsiang Tsou, San Diego State University; SU HAN

CHAIR(S): Jiue-An Yang, San Diego State University

2:40 Chen Xu*, George Mason University; David Wong; Phil Yang, *Evaluating the "Geographical Awareness" of Individuals: An exploratory analysis of Twitter data.*

3:00 Shufei Lei*, UC Berkeley, *Measuring learning in adaptive management by mapping dialogues using Self-Organizing Map: Sierra Nevada Adaptive Management Project.*

3:20 Yang Xu*, University of Tennessee; Shih-Lung Shaw, University of Tennessee, *Exploring spatio-temporal changes of user generated content from Flickr data.*

3:40 Xiaomeng Chang*, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University; Shih-Lung Shaw, Professor, Department of Geography, The University of Tennessee, Knoxville; State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University; Qingquan Li, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University; Shenzhen Key Lab of Intelligent Sensing and Geoinformatics, Shenzhen University; Bi Yu Chen, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, *Geography of Microblog Interaction Patterns in China.*

4:00 Jiue-An Yang*, San Diego State University, *Knowledge Discovery in Tweets: Space, Time, and Message.*

4574. Political and Military Geographies

Room: Corsican, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kent Butts, US Army War College

2:40 Christian Lentz*, UNC Department of Geography, *Where is Dien Bien Phu? Decolonization and the Politics of National Frontiers.*

3:00 Colin Flint, Ph.D., University of Illinois; Raymond J Dezzani, Ph.D*, University of Idaho, *One Logic, Many Wars: The Variety and Geography of Wars in the Capitalist World-Economy, 1816-2007.*

3:20 Anna W Moore*, University of Oregon, *Shifting Norms and*

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U.S. Diplomatic Posture: A Geographic Perspective on Embassy Relocation in the 21st Century.

3:40 Susan Gidley*, CALIBRE; Cary Lincoln, CALIBRE, *Arlington National Cemetery: Data Collection and Initial Analysis Results.*

4:00 Kent Butts*, Pennsylvania State University Harrisburg, *Underlying Conditions of Terrorism and Insurgency.*

4575. Remote Sensing and Vegetation

Room: Florentine, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Diane M. Styers, Western Carolina University

2:40 Zhen Zhen*, College of Environmental Science and Forestry, State University of New York; Lindi Quackenbush, College of Environmental Science and Forestry, State University of New York; Lianjun Zhang, College of Environmental Science and Forestry, State University of New York, *Considering spatial covariance structure in individual tree crown delineation using airborne LiDAR data.*

3:00 Stuart K. McFeeters, Ph.D.*, Department of Geography, California State University, Fresno; Deborah M. DeMarey, Ph.D., Department of Biological and Physical Sciences, Averett University, Danville., *Examination of the Effect of Reflectance and First Derivative Band Selection Upon the Delineation of Emergent Vegetation Within a Freshwater Wetland.*

3:20 Gang Chen*, UNC Charlotte, *Large-area forest height estimation using Landsat imagery calibrated by lidar plots.*

3:40 Thomas B Christiansen*, The University of Texas at Austin; Kelley A Crews, The University of Texas at Austin; Thoralf Meyer, The University of Virginia, *Structural disturbance classes: Explicitly linking field- and satellite-derived measurements for improved disturbance detection and quantification.*

4:00 Diane M. Styers, PhD*, Western Carolina University, *Characterizing Southern Appalachian Forest Stands Using LiDAR Data And Object-Based Image Analysis.*

4576. Integrated Natural Disaster Reduction and Sustainable Development in China I (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Grecian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Xinyue Ye, Bowling Green State University; Peijun Shi, Beijing Normal University

CHAIR(S): Peijun Shi, Beijing Normal University

2:40 Qian Ye*, Beijing Normal Univ, *Lessons Learned from Recent Very Large-Scale Disasters in the World.*

3:00 Saini Yang*, Beijing Normal University; Shuai He, Beijing Normal University; Dan Wu, Beijing Normal University; Jiayuan Ye, Beijing Normal University, *Screening of Social Vulnerability to Natural Hazards in China.*

3:20 Peijun Shi*, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, Beijing 100875, China; Shao Sun, Beijing Normal University, Beijing 100875, China; Ming Wang, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, Beijing 100875, China; Saini Yang, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, Beijing 100875, China; Wei Xu, Key Laboratory of Environmental Change and Natural Disaster of Ministry of Education, Beijing Normal University, Beijing 100875, China; Ning Li, Key Laboratory of Environmental Change and Natural Disaster of Ministry of Education, Beijing Normal University, Beijing 100875, China; Qian Ye, State Key Laboratory of Earth Surface Processes and

Resource Ecology, Beijing Normal University, Beijing 100875, China, *Climate Change Risk and Its Integrated Governance.*

3:40 Ming Wang*, Beijing Normal University; Tao Ye, Beijing Normal University; Ying Deng, Beijing Normal University; Ying Lang, Beijing Normal University; Yunyun Jin, Beijing Normal University, *How Do People Prioritize Their Risks: Evidence from Chinese Farmers.*

Discussant(s): Peijun Shi, Beijing Normal University

4577. Land Systems Science: Closing Plenary (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Heinsbergen, Biltmore, Lobby Level (Panel Session)

ORGANIZER(S): Richard Aspinall

CHAIR(S): Andrew Millington, Flinders University

Panelists: Richard Aspinall; Andrew Millington, Flinders University; Jane Southworth, University of Florida

4578. Cryospheric and Polar Educational/Field Experiences for Students (Sponsored by Cryosphere Specialty Group)

Room: Mediterranean, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Robert Hellström, Bridgewater State University

CHAIR(S): Robert Hellström, Bridgewater State University

2:40 Dmitry Streletskiy*, George Washington University, *International Field School on Permafrost in Russia.*

Discussant(s): Robert Hellström, Bridgewater State University

4579. Spatial Analysis and Modeling

Room: Moroccan, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Matthew Adams

2:40 Xiaojun Pu*, Department of Geography, The State University of New York at Buffalo; Eun-Hye Enki Yoo, Dr., Department of Geography, The State University of New York at Buffalo, *Assessing the effects of clustered sampling of Public Land Survey records for historic landscape reconstruction.*

3:00 Kenneth L Peters*, University of Idaho, *Spatial Statistical Modelling of Cesium-137.*

3:20 Nicholas M. Giner*, Clark University, *Using spatial analytical methods to predict lawn maps in suburban Boston, Massachusetts, USA.*

3:40 George C. Bentley, M.A.*, University of Connecticut; Dean M. Hanink, Ph.D., University of Connecticut, *The Environmental Kuznets Curve: Open Space Extension.*

4:00 Matthew D. Adams*, McMaster University; Pavlos S. Kanaroglou, McMaster University, *Specifying land use regression models: A constrained subset regression approach.*

4580. Transactions in GIS Plenary

Room: Roman, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): John P. Wilson, University of Southern California

CHAIR(S): John P. Wilson, University of Southern California

2:40 Daniel Sui*, The Ohio State University, *The coming age of open GIScience: In search of rainbow in the clouds.*

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- 4601. Geographies of Hope Symposium 12: Carving out Future Pathways for Geographies of Hope (Sponsored by Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice, Energy and Environment Specialty Group, Indigenous Peoples Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: *Beaudry A, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Julianne A. Hazlewood, UNESCO
 CHAIR(S): Mark Palmer, University of Missouri-Columbia
 Panelists: T. Garrett Graddy, American University School of International Service; Clare Gupta, Yale University; Julianne A. Hazlewood, UNESCO; RDK Herman, National Museum of the American Indian; Jay Johnson, University of Kansas; Alice Kelly, University of California, Berkeley; Beth Rose Middleton, UC Davis; Lindsay Shade, University of Kentucky
- 4602. Author Meets Critics: "Think Tanks in America," by Thomas Medvetz (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)**
Room: *Beaudry B, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Ievgenii Rovnyi, Goethe University Frankfurt am Main
 CHAIR(S): Alexander Murphy, University of Oregon
 Discussant(s): Jamie Peck, University of British Columbia; Kevin Ward, University of Manchester
 Panelists: Thomas Medvetz, University of California, San Diego; Corey Johnson, University of North Carolina - Greensboro; Gerard Toal, Virginia Tech
- 4603. Politics of Sustainability 3**
Room: *La Brea, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Mine Israr, Lund University; Cheryl Sjöström, Lund University
 CHAIR(S): Cheryl Sjöström, Lund University
4:40 Crystal Tremblay, PhD Candidate*, University of Victoria, *Participatory Video: a methodological tool for enhancing public policy dialogue and participation in the metropolitan region of São Paulo, Brazil.*
4:55 Wim Carton*, Lund University, *Creating the Carbon Fetish; Ecological abstraction and implications for sustainability.*
5:10 Sara Gabriellsson*, Lund University Centre of Excellence for Integration of Social and Natural Dimensions of Sustainability, *Water and Sanitation in practice - a critical integration gap.*
5:25 Vasna Ramasar*, Lund University Centre for Sustainability Studies, LUCID, *Politics of Sustainability Science Knowledge Production.*
5:40 Melissa Hansen*, Lund University, *New Geographies of Conservation and Globalisation: The Spatiality of Development for Conservation in the iSimangaliso Wetland Park, South Africa.*
- 4604. Global Critical Geographic Explorations on the Significances of Political Posters and Graffiti in the Making and Propagating of Political Violence**
Room: *La Cienega, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Kevin M. DeJesus, Rhode Island College; Eric Bordenkircher, University of California, Los Angeles (UCLA)
 CHAIR(S): Kevin M. DeJesus, Rhode Island College
4:40 Jordan C Hale*, University of Toronto, *Militarized mourning in urban space: the Highway of Heroes "peace mural".*
4:50 Robert R. Sauders*, Eastern Washington University, *"Hope is a Territory": Exploring Transnational Graffiti and the Redefinition of Space and Place in the Israeli-Palestinian Conflict.*
- 5:00** Matthew F. Rech*, Newcastle University, *Be Part of the Story: Comics aesthetics, popular geopolitics and Royal Air Force recruitment.*
5:10 Eric Bordenkircher*, University of California, Los Angeles (UCLA), *Reading the writing on the wall: Mapping Lebanon's Political Geography through Political Posters and Graffiti.*
5:20 Ashleen Williams*, University of Ulster, *Graffiti, Democracy and the Digital Martyr.*
- 4605. Learning from cities: urban adaptation responses to climate change and ways forward (Sponsored by Human Dimensions of Global Change Specialty Group, Global Urbanization, Urban Geography Specialty Group, Climate Change, Variability, Adaptation and Justice)**
Room: *Los Cerritos, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): Corrie Griffith, Urbanization and Global Environmental Change (UGEC) Project
 CHAIR(S): William Solecki, Hunter College
 Introducer: Corrie Griffith
 Panelists: Shu-Li Huang, National Taipei University; Darryn Meevov, RMIT University; William Solecki, Hunter College; David Simon, Royal Holloway, University of London
- 4606. Geographers in the Library: The New Landscape (Sponsored by Geographic Information Science and Systems Specialty Group, Qualitative Research Specialty Group, Historical Geography Specialty Group)**
Room: *Los Feliz, Westin, Lobby Level* (Panel Session)
 ORGANIZER(S): George E Clark, Harvard University
 CHAIR(S): George E Clark, Harvard University
 Introducer: George E Clark
 Panelists: Dan Bedford, Weber State University; George E Clark, Harvard University; Amanda Hornby, University of Washington; Sharon Moran, State University of New York - Env. Science and Forestry, Syracuse, NY; Julie Sweetkind-Singer, Stanford University; Elizabeth Wallace, University of Alberta
- 4607. From Store Clerks to Google Searches: Curating and Filtering Information in the Cultural Economy II (Sponsored by Economic Geography Specialty Group)**
Room: *Palos Verdes, Westin, Lobby Level* (Paper Session)
 ORGANIZER(S): Brian Hraacs, Uppsala University; Patrick Adler, University of California Los Angeles
 CHAIR(S): Melanie Fasche
4:40 Jeff Boggs*, Brock University, *Like a bull in a china shop? The relentless role of Internet-enabled technologies in restructuring the Canadian book trade..*
5:00 Brian J. Hraacs*, Uppsala University, *'You Can't Find This Online': Curation and Consumption in Local Record Shops in Stockholm.*
 Discussant(s): Oliver Ibert, Department of Geography, University of Bonn
- 4608. Geography for Life: National Geography Standards, Second Edition; A Panel Discussion with Gilbert M. Grosvenor**
Room: *San Bernardino, Westin, Lobby Level*
 Welcoming remarks: **Douglas Richardson**, AAG Executive Director
 Introduction: **Robert E. Dulli**, National Geographic Society
 Speakers: **Gilbert M. Grosvenor**, National Geographic Society
Susan Gallagher Heffron, Association of American Geographers
Robert Morrill, Virginia Geographic Alliance
 A panel discussion of *Geography for Life* (the 2nd Edition of the National Geography Standards) will include remarks by **Gilbert M.**

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Grosvenor, former Chairman of the National Geographic Society (NGS). *Geography for Life* was released in 2012 and was developed by the Geography Education National Implementation Project on behalf of the AAG, AGS, NCGE, and NGS.

Mr. Gilbert M. Grosvenor of the National Geographic Society, Dr. Susan Heffron, Co-editor, and Dr. Robert Morrill, Reviewing Editor of the second edition of *Geography for Life*, will share insights on the role of national geography standards in US education. This panel will explore the role of the national geography standards in guiding the development of curriculum, instructional materials, assessments, and policy in K-12 education.

4610. Spatiotemporal Thinking, Computing and Applications 10: Computing Panel (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: San Gabriel A, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Chaowei Yang, George Mason University; Keith Clarke, University of California, Santa Barbara
 CHAIR(S): Chaowei Yang, George Mason University
 Introducer: Mike Batty
 Introducer: Daniel Sui
 Panelists: Shaowen Wang, University of Illinois at Urbana-Champaign; Diansheng Guo, University of South Carolina; Timothy Nyerges, University of Washington

4611. Crime Modeling and Mapping (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

Room: San Gabriel B, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Michael Leitner, Louisiana State University
 CHAIR(S): Tao Cheng, University College London
 4:40 Mukul Sonwalkar*, Center for Spatial Analysis, University of Oklahoma; Atsushi Nara, Center for Spatial Analysis, University of Oklahoma; Marguerite Keese, Center for Spatial Analysis, University of Oklahoma; William Greenwood, Center for Spatial Analysis, University of Oklahoma; Meredith Denney, Center for Spatial Analysis, University of Oklahoma; May Yuan, Center for Spatial Analysis, University of Oklahoma, *Spatial behaviors and criminogenic needs*.

5:00 Adam Michael Boessen*, University of California - Irvine; John R Hipp, Ph.D, University of California - Irvine, *The Rhythm of Space and Time: Placing Violence in Urban Neighborhoods*.

5:20 Brian Mikelbank*, Cleveland State University, *Space-Time Patterns of Mortgage Fraud*.

5:40 Tao Cheng, Prof.*, University College London; Monsuru Adepeju, University College London, *Prospective Analysis of Emerging Crime Patterns in Central London*.

Discussant(s): Michael Leitner, Louisiana State University

4612. Emerging and other Asias: Regional diversity and hierarchies of academic attention (Sponsored by Asian Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: San Gabriel C, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Matt Branch, Pennsylvania State University; Melissa Y. Rock, Pennsylvania State University
 CHAIR(S): Vandana Wadhwa, Boston University
 4:40 Tim Bunnell

4615. Publishing in Physical Geography

Room: Santa Anita B, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Carol Harden, University of Tennessee
 CHAIR(S): Carol Harden, University of Tennessee
 Panelists: Gregory Carbone, University of South Carolina; George P. Malanson, University of Iowa

4616. Re-evaluating the Anthropocene, Resituating "Anthropos" 5: Roundtable Discussion (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Santa Anita C, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Harlan Morehouse; Elizabeth R. Johnson, University of Wisconsin - Madison
 CHAIR(S): Keith Woodward, University of Wisconsin-Madison
 Discussant(s): Nigel Clark, Lancaster University; Andrea J. Nightingale, University of Edinburgh; Noel Castree, University of Manchester; Luke Bergmann, University of Washington

4617. Enhancing Departments and Graduate Education in Geography (EDGE) Grants for Outreach and Professional Development (Sponsored by Stand-Alone Geographers Affinity Group, Geography Education Specialty Group, Community College Affinity Group, Enhancing Departments and Graduate Education project (EDGE))

Room: Santa Barbara A, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Beth Schlemper, University of Toledo
 CHAIR(S): Beth Schlemper, University of Toledo
 Introducer: Beth Schlemper
 Discussant(s): Michael N. Solem, Association of American Geographers
 Panelists: Liem Tran, University of Tennessee at Knoxville; Amy J. Blatt, TerraFirm International Corp.; Mark Davidson, Clark University; Lisa K Tabor, Kansas State University; Anne Ranek; Patrick Lawrence, University of Toledo; Suzanne Walther, Utah Valley University; Annemarie Galeucia, Louisiana State University; Shuaib Lwasa

4618. GORABS Annual Lecture: Mapping Significance: A Building-Block Approach (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Santa Barbara B, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Justin Tse, University of British Columbia, Department of Geography; David J. Butler, University of Limerick (UL), Ireland
 CHAIR(S): David J. Butler, University of Limerick (UL), Ireland
 Discussant(s): Adrian Ivakhiv, University of Vermont
 Panelists: Ann Taves, University of California, Santa Barbara

4619. Doing Geography Fieldwork in Africa (Sponsored by Graduate Student Affinity Group, Africa Specialty Group)

Room: Santa Barbara C, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Ryan Good, University of Florida
 CHAIR(S): Ryan Good, University of Florida
 Panelists: Tometi K Gbedema, UC Davis; Caroline Faria, Florida International University; Angela Subulwa, University of Wisconsin Oshkosh; Benjamin Neimark, Old Dominion University; John Benson, Minnesota State University Moorhead; Ashley Fent, Columbia University

4623. Spatialities of non-hierarchical politics (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)

Room: San Jose, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Sasha Davis, University of Hawaii - Hilo; Jessica Hayes-Conroy, Hobart & William Smith Colleges
 CHAIR(S): Sasha Davis, University of Hawaii - Hilo
 4:40 Sasha Davis*, University of Hawaii - Hilo, *Affinity Geopolitics*.
 5:00 Sarah W Stinard-Kiel*, Rutgers University, *The Intergalactic Conspiracy of Childcare Collectives: Collective Organizing for Intergenerational Liberation*.
 5:20 joshua j. kurz*, Ohio State University, *Occupation*.

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Mobility, Escape: The Ambivalence of the Network-Form.

5:40 Jessica Hayes-Conroy*, Hobart & William Smith Colleges; Allison Hayes-Conroy, Temple University, *Affinity Politics and Biopolitical Mobilization: Food, Affect, and Bodily Change.*

6:00 Nathan L. Clough*, University of Minnesota, Duluth, *Direct Action and Constituent Power.*

4624. Ethnic Geography Specialty Group: Honoring James P. Allen (Sponsored by Ethnic Geography Specialty Group)

Room: *Avalon, Westin, Level 3* (Panel Session)

ORGANIZER(S): Heather Smith, University of North Carolina at Charlotte; Carlos Teixeira, University of British Columbia Okanagan

CHAIR(S): Heather Smith, University of North Carolina at Charlotte

Panelists: James P. Allen, California State University - Northridge; Eugene Turner, California State University - Northridge; Wei Li, Arizona State University; William A. Clark, University of California - Los Angeles; Heather Smith, University of North Carolina at Charlotte

4625. Cognition, Behavior, and Representation IV (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)

Room: *Emerald Bay, Westin, Level 3* (Paper Session)

ORGANIZER(S): Sarah Battersby, University of South Carolina; Scott Bell, University of Saskatchewan

CHAIR(S): Sara Irina Fabrikant, University of Zurich

4:40 Robert E. Roth*, UW-Madison; Alan M. MacEachren, Penn State, *Design and Use Guidelines for Interactive Maps: A Case Study.*

5:00 Caitlin N. Callahan*, Western Michigan University; Heather L. Petcovic, Western Michigan University; Kathleen M. Baker, Western Michigan University; Gerianne J. Barnard, Western Michigan University, *Constraining Uncertainty in the Process of Geologic Mapping.*

5:20 Jennifer M. Smith*, Pennsylvania State University; Alexander Klippel, Pennsylvania State University, *Below the Surface: A Deeper Semantics of Uncertainty Visualization.*

5:40 Stephanie Deitrick*, Arizona State University, *Exploring the relationship between uncertainty and policy decisions with Implicit Visualizations of Uncertainty.*

6:00 Amy L. Griffin*, University of New South Wales Canberra; Seth E. Spielman, University of Colorado; Nicholas N. Nagle, University of Tennessee-Knoxville, *How do planners use maps and consider uncertainty in mapped data in their work?.*

4626. Synthesis, Trends, and Directions for Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice (Sponsored by Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice)

Room: *Hollywood Ballroom, Westin, Level 3* (Plenary Session)

ORGANIZER(S): Geography, GIS, and Health

CHAIR(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign

4:40 Mei-Po Kwan, University of Illinois at Urbana-Champaign

4:55 Sara McLafferty, University of Illinois

5:10 Bethany Deeds, National Institute on Drug Abuse

5:25 Mark W. Rosenberg, Queen's University

5:40 David Berrigan

Discussant(s): Wilson Compton, National Institutes of Health

4627. Territory, Conflict, Resources: Dynamism in indigenous spaces and social movements (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Indigenous Peoples Specialty Group)

Room: *Santa Monica A, Westin, Level 3* (Paper Session)

ORGANIZER(S): Diego Leal, University of Richmond; David Salisbury, University of Richmond

CHAIR(S): David Salisbury, University of Richmond

4:40 Diego B. Leal*, University of Richmond; David S. Salisbury, PhD, University of Richmond, *Changing Conceptions of Territory among Indigenous Peoples and Social Movements of the Peruvian Amazon.*

5:00 Katherine MacDonald*, York University, *Wapichan Wiizi: Conscientization and Conservation Politics in the Rupununi (Guyana).*

5:20 Matheus Pfrimer*, University of São Paulo (USP) - Brazil; Dimas Pereira Duarte Jr., Prof., Pontifical Catholic University of Goiás (PUC-GO), *Hybrid territorialities in Bolivia and the "transcending construction of development".*

5:40 Nathan Clay*, Penn State University, *Forests of extraction and conservation: spatialities of hybrid governance in Cameroon.*

6:00 David S. Salisbury*, University of Richmond; Diego B. Leal, University of Richmond, *"Welcome to the Land with no Law": Struggles and Strategies for Indigenous Land Claims in the Amazon Borderlands.*

4628. Authors-meet-critics: "Making Political Geography" (Sponsored by Political Geography Specialty Group)

Room: *Santa Monica B, Westin, Level 3* (Panel Session)

ORGANIZER(S): Virginie Mamadouh, University of Amsterdam

CHAIR(S): Elena Dell'Agnese, Università Di Milano-Bicocca

Introducer: Elena Dell'Agnese

Panelists: Takashi Yamazaki, Osaka City University; Colin Flint, University of Illinois at Urbana-Champaign; Natalie Koch, Syracuse University; Virginie Mamadouh, University of Amsterdam; John Agnew, University of California - Los Angeles; Luca Muscarà, Università Del Molise

4629. The Political Ecology of Persistent Livelihoods in Degraded Environments (Sponsored by Cultural and Political Ecology Specialty Group)

Room: *Santa Monica C, Westin, Level 3* (Paper Session)

ORGANIZER(S): Matthew Turner, University of Wisconsin-Madison; Joshua Ramisch, University of Ottawa

CHAIR(S): Matthew Turner, University of Wisconsin-Madison

4:40 Joshua J. Ramisch*, University of Ottawa, *Why do we keep farming? Valuing land and soil in the densely settled western Kenyan highlands.*

5:00 Catherine Day, MS*, UW-Madison Geography, *Who is flourishing? A case of agricultural intensification in Hausa Niger.*

5:20 Denis Gautier*, CIRAD/CIFOR; Christophe Kouamé Koffi, CIFOR; Houria Djoudi, CIFOR; Mathurin Zida, CIFOR; Bruno Locatelli, CIRAD/CIFOR, *Less trees in Soudano-Sahelian landscapes, less safety nets for rural livelihoods?.*

5:40 Matthew Turner*, University of Wisconsin-Madison, *Persistent Livelihoods and Changing Vulnerabilities: The Co-Production of Land Quality Variation and Social Inequity in Western Niger.*

Discussant(s): William G. Moseley, Macalester College

4630. Models of Online Learning: What's Old, What's New? (Sponsored by Geography Education Specialty Group)

Room: *Santa Monica D, Westin, Level 3* (Panel Session)

ORGANIZER(S): Michael Minn, University of Illinois

CHAIR(S): Michael Minn, University of Illinois

Panelists: Ines M. Miyares, Hunter College; Michael Ritter,

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University of Wisconsin; Robert Whiting, Western Governors University; Jennifer N. Swift, University of Southern California

4634. Perspectives on (Sub)Urban Sprawl, Smart Growth, Inner City Developments: Issues, Analysis and Critiques (3) (Sponsored by Regional Development and Planning Specialty Group, Global Urbanization, Urban Geography Specialty Group, Energy and Environment Specialty Group)

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Sun Hui Sim, University of North Alabama; Francis Koti, University of North Alabama
 CHAIR(S): Francis Koti, University of North Alabama
4:40 Igor Vojnovic*, Michigan State University; Angelo Podagrosi, PitneyBowes MapInfo, *The Diversity of Gentrification in Houston's Urban Renaissance: From Cleansing the Urban Poor to Super-gentrification.*
5:00 John Miron*, University of Toronto, *Land-use planning and the organization of cities.*
5:20 Folarin A Somoye*, University of Ibadan, *Road Traffic Congestion and Intra-City Freight Movement in Ibadan Metropolis.*
5:40 Ulli Meisel, Professor of Urban Planning & Architecture*, ILS - Research Institute for Regional and Urban Development & RWTH Aachen University, *German Cities: Recent Changes from Established Preservation to Demolition as a New Paradigm - Analyses of Case Examples.*
6:00 Gregory Kwoka*, University of Denver; Eric Boschmann, University of Denver, *The effect of transit oriented development (TOD) on travel behaviors in Denver, Colorado.*

4635. Human Geography Data (Sponsored by Russian, Central Eurasian, and East European Specialty Group, European Specialty Group)

Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Andrew Ryder, University of Portsmouth; Timothy Heleniak, American Geographical Society
 CHAIR(S): Andrew Ryder, University of Portsmouth
4:40 Andrew Ryder, D.Phil*, University of Portsmouth, *Data sources for Central and Eastern Europe: a review.*
5:00 Joel Ian Deichmann*, Bentley University, *Using Official Data Sources for the Analysis of Foreign Direct Investment in Central and Eastern Europe.*
5:20 John Thomas Fitzwater*, United States Census Bureau, *Visualizing Global Population Distribution with U.S. Census Bureau International Datasets.*
 Discussant(s): Timothy Heleniak, American Geographical Society

4636. Sacrifice Zones 3 - Bodies & Identities

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Alec Brownlow, DePaul University
 CHAIR(S): Lindsey Dillon, UC Berkeley
4:40 Harold Perkins*, Ohio University, *Politicization through Extended Embodiments of Sacrifice within Industrial Capitalism.*
5:00 Ahmed Afzal*, Purchase College, SUNY, *Sacrificing Heritage, Building a Nation: State-Sponsored Urban Development and the Erasure of Sikh and Hindu Heritage and Histories in Pakistan.*
5:20 Laura K Berger*, Aalto University, Department of Architecture, Finland, *Sacrificed in war, or, what is correct to remember - Case of Vyborg, Russia.*
5:40 Alec Brownlow*, DePaul University, *Safety through sacrifice: urbanization, victimization, and the biopolitics of scale.*
6:00 Hiba Bou Akar*, Hampshire College, *Beirut's Geographies of the "War Yet to Come".*

4637. Aeolian Processes and Landforms II (Sponsored by Coastal and Marine Specialty Group, Geomorphology Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Brandon L Edwards, Louisiana State University
 CHAIR(S): Brandon L Edwards, Louisiana State University
4:40 Haim Tsoar*, Department of Geography and Environmental Development, Ben-Gurion University of the Negev; Joel Roskin, Department of Geography and Environmental Development, Ben-Gurion University of the Negev, *Interaction between man and his environmental sand dunes: Case of the Negev Desert.*
5:00 Wansang Ryu*, Texas A&M University; Douglas J Sherman, Dr., University of Alabama, *A Typology of Foreland Textures: Sand Patches and Climate Controls.*
5:20 Alexander B Smith*, East Carolina University; Paul Gares, East Carolina University; Thad Wasklewicz, East Carolina University; Patrick Hesp, Louisiana State University; Ian Walker, University of Victoria, *Geomorphic Analysis of Coastal Blowout Dunes in Cape Cod National Seashore Using High Resolution Terrestrial Laser Scanning.*
5:40 Paul A Gares, PhD*, East Carolina University; Mayra Roman-Rivera, East Carolina University; Patrick A Hesp, Flinders University; Ian J Walker, University of Victoria, *Airflow through a dune ridge trough, Cape Cod, MA.*

4638. Multi-temporal Analysis of Remote Sensing Data: Methods and Applications II (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Le Wang, SUNY at Buffalo
 CHAIR(S): Junmei Tang, University of Maryland, Baltimore County
4:40 Shanshan Cai*, The Ohio State University; Desheng Liu, The Ohio State University, *A Hierarchical Data Segmentation Approach For Detecting Change Date Using MODIS NDVI Time Series From 2000 to 2012.*
5:00 Xianwei Wang*, Sun Yat-sen University; Yan Chen, Sun Yat-sen University; Lin Liu, Sun Yat-sen University, *Analysis of lengths, water areas and volumes of the Three Gorges Reservoir at different water levels using Landsat images and SRTM DEM data.*
5:20 Courtney R. Wilson*, University of Michigan, *Using Satellite Imagery to Evaluate and Analyze Socioeconomic Changes in Southeast Michigan.*
5:40 Bo Yang*, University of Cincinnati; Hongxing Liu, University of Cincinnati; Emily Lei Kang, University of Cincinnati; Qiusheng Wu, University of Cincinnati, *Spatiotemporal cokriging: Assimilation of Multi-Sensor Multi-scale Thermal Images over Thaw Lakes in the North Alaska.*
6:00 Junmei Tang*, University of Maryland, Baltimore County, *Linking the Spectral Reflectance with the Phenological Variation in Foliar Biochemistry and Trait Properties in Urban Environment.*

4639. Surviving and Thriving as a Stand Alone Geographer (SAGE) II (Sponsored by Stand-Alone Geographers Affinity Group)

Room: Laguna Parlor 3068, Westin, 30th Floor (Panel Session)
 ORGANIZER(S): Brian Edward Johnson, Auburn University at Montgomery; Amanda Rees, Columbus State University
 CHAIR(S): Brian Edward Johnson, Auburn University at Montgomery
 Panelists: Adam Parrillo, University of Wisconsin - Green Bay; John Finn, Christopher Newport University; Joseph Scarpaci, West Liberty University; Camelia Kantor, Claflin University

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4640. Community Gardens

- Room:** Malibu Parlor 3018, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Melissa J. Rura, UMNC
 CHAIR(S): Steven Schnell, Kutztown University
- 4:40** Sean M Keefe*, Syracuse University; Evan Weissman, PhD, Syracuse University; Jonnell A Robinson, PhD, Syracuse University; Matthew Potteiger, SUNY ESF; Susan Adair, PhD, *Planted in Plain Sight: The Benefits of Community Gardening in Syracuse, New York.*
- 5:00** Amanda Osborne*, George Washington University, *Insecure Tenure and Access: "Community" Gardens in the District of Columbia.*
- 5:20** Michael Codyre*, University of Guelph, *"Is a vegetable garden worth it?"*
- 5:40** Steven Schnell*, Kutztown University, *From the School Garden Army to The Edible Schoolyard: School Gardens in the United States.*

4641. Struggles of Indigenous and Place-Based Peoples (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)

- Room:** Malibu Parlor 3038, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Steven Elster
- 4:40** Chris Castagna*, CSU Sacramento & CSU Stanislaus; Brian J Murton, University of Hawai'i at Manoa, *An Uneasy Truth: The Ongoing Reconstruction of Te Urewera.*
- 5:00** Kate Schlott*, CUNY Graduate Center, *Racialized Space: Mixed-race access to land and development in Hawaii.*
- 5:20** Andrew T. Barton*, University of British Columbia, *A Pipeline and a Sense of Place: Whose priorities when evaluating the Northern Gateway Project?*
- 5:40** Steven Elster*, Independent Scholar, *Travel Sequences in Southern California Native American Creation Stories.*

4642. Watery Landscapes: Human Environmental Interactions in Rivers & Swamps (Sponsored by Landscape Specialty Group)

- Room:** Malibu Parlor 3058, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Michelle Metro-Roland, Western Michigan University; James Hayes, California State University Northridge
 CHAIR(S): Bartlett A Bickel
- 4:40** Kevin Archer*, Central Washington University, *Whither the Wild in the Northwest?: Re-running Salmon in the Columbia River.*
- 5:00** Kathleen Kavarr Corra, M.S., M.A., PhD (ABD)*, University of Massachusetts, Amherst, *The Effects of Channeling the Virgin River by the CCC on Fremont Cottonwood in Zion Canyon.*
- 5:20** Adam Mandelman*, University of Wisconsin - Madison, *Cypress Borderlands: The Watery Landscapes of Louisiana's 19th-Century Logging Industry.*
- 5:40** Stephen Duncan*, CUNY Grad Center, *Flood Control and Flood Creation in Los Angeles: waterflow and storm drainage infrastructure in the Ballona Creek watershed.*
- 6:00** Bartlett A Bickel, ASLA*, The George Washington University, *Mapping the Evolution of the Cultural Landscape of the Great Dismal Swamp - 18th Century to present.*

4643. Contemporary Korean Economic and Regional Development

- Room:** Malibu Parlor 3078, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Yeon-Taek Ryu, Chungbuk National University, South Korea
- 4:40** Yangmi Koo*, Department of Geography, Seoul National University, *Cluster Evolution of Korean Industrial Regions.*
- 5:00** Hogeun Park*, Seoul National University; Kyungmin Kim,

Seoul National University, *Using Spatial Pattern Analysis to Explore Regional Characteristics: A Focus on Fashion and F&B Stores in Gangnam District, South Korea.*

- 5:20** Kyung Jin Lee*, Seoul National University The Institute for Korean Regional Studies; Sam Ock Park, Seoul National University, *Restructuring and reorganization of the cosmetics industry in Korea.*
- 5:40** Kyumin OH*, Seoul National University, *Extra-firm networks and firm performance in Korea's solar photovoltaic industry.*
- 6:00** Yeon-Taek Ryu*, Chungbuk National University, South Korea, *The (Re)production of Urban Housing Space and Housing Policies in South Korea in the 1980s and 1990s: from Institutional Perspectives.*

4644. One If By Land, Two If By Sea: Transportation Networks for Ports and Transit (Sponsored by Transportation Geography Specialty Group)

- Room:** Malibu Parlor 3118, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Craig Townsend, Concordia University
- 4:40** Yuhong Wang*, Transport Research Institute, Edinburgh Napier University, *Measures of Port Centrality: A Network Perspective of Container Flow Movement.*
- 5:00** Keumsook Lee*, Sungshin Women's University; MooYoung Choi, Seoul National University; Segun Goh, Seoul National University, *Modification of the gravity model and application to the Metropolitan Seoul subway system.*
- 5:20** Mooyoung Choi*, Seoul National University; Keumsook Lee, Sungshin Women's University; Segun Goh, Seoul National University, *Modified gravity model and emergence of criticality in the Seoul bus network.*
- 5:40** Craig Townsend*, Concordia University, *Distributional Differences in Public Transit Supply: A Comparison of Vancouver's Rail-Based System with Ottawa's Bus-Based System.*

4645. New industrial and urban geographies of China (Sponsored by China Specialty Group, Symposium on New Geographies of Urban China)

- Room:** Malibu Parlor 3138, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Tim Oakes, University of Colorado
 CHAIR(S): Danfei Ni, Hong Kong Polytechnic University
- 4:40** Julie Tian Miao*, University College London, *An evolutionary view on science parks: industrial structure unlocking in Optics Valley of China, Wuhan.*
- 5:00** Hu Wen*, Hu Nan university; Hu wen, Hunan University, China, *A spatial econometric study on the influence factors of provincial creative industries development in China.*
- 5:20** Wanjin Chen*, Beijing Normal University, *Local Buzz Collapsing? Transition of the Antique Reproduced Furniture Cluster in Fujian Province, China.*
- 5:40** Jung-Ying Chang*, National Taipei University, *Governance of the Creative Field in Beijing.*
- 6:00** Danfei Ni*, Hong Kong Polytechnic University; Edwin, H.W. Chan, Hong Kong Polytechnic University, *Discussing China's Low Carbon Residential Community Development according to the Summary of Carbon Trading in Perspective of Sustainability.*

4646. Borders: Defining, Crossing, and the In-Between (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Borders)

- Room:** Malibu Parlor 3158, Westin, 31st Floor (Paper Session)
 ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel Trumbull, University of Connecticut
 CHAIR(S): Jeremy Tasch, Towson University
- 4:40** Austin Charron*, University of Kansas, *Viewing the Region*

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Through a National Lens: Competing Ethno-National Narratives in the Construction of Crimean Regional Identities.

5:00 Hanna Lempien*, Arctic Centre, University of Lapland, *Barents in/and the Energy Puzzle: Global Dimensions in a Regional Energyscape.*

5:20 Monica Tennberg*, Arctic Centre, University of Lapland, *Neoliberal governance and local communities in the Barents Region.*

5:40 Christopher O'Neal*, California State University Sacramento, *The China Threat?*

4647. Physical Geography: Climate, Coastal, Water Resources and Hydrology

Room: Malibu Parlor 3178, Westin, 31st Floor (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Florent RENARD, Université Jean Moulin Lyon 3

4:40 Karsten A. Shein, Ph.D.*, National Climatic Data Center, *Delivering Geospatial Climate Information to Marine Ecosystem Managers.*

4:45 Jingjiang Zhang*, Yanli Chu, *Campaign Design for Comparative Observation Experiment of Slant-Path Water Vapor between Ground-Based GPS and Microwave Radiometer.*

4:50 Austin Madson*, NASA DEVELOP; Scott Barron, University of California, Los Angeles (UCLA); Robin Sehler, CSUN, *Sacramento-San Joaquin Delta Disasters and Water Resources: NASA Radar Remote Sensing for Levee Health Assessment.*

4:55 Melissa McCracken, B.S., M.S.*, University of East Anglia, United Kingdom, *Global Water Consumption of Illicit Drug Cultivation.*

5:00 Tania Garcia Bravo*, University of Calgary, *A Gendered Understanding of Peatlands in Canada.*

5:05 Sudhakar D Pardeshi*, Pune University, *Water Scarcity Scenario in Rural Areas in Pune District of Maharashtra, India.*

5:10 Virendra Nagarale*, S.N.D.T.Women's University; Virendra Nagarale, PhD, S.N.D.T.Womens University,PUNE INDIA, *Groundwater Regionalization in the Gunjawani Basin, Pune, India.*

5:15 Oksana Vasilenko, V. B. Sochava Institute of Geography SB RAS; Elena Istomina*, Institute of Geography SB RAS; Nadezhda Voropay, V. B. Sochava Institute of Geography SB RAS, *Evaluation of Air Temperature at Tunkinskaya Hollow with the Use of Data of Ground Measurements and Landsat Space Images.*

5:20 Maxwell Boykoff*, University of Colorado, *Who Speaks for the Climate? Making sense of media coverage of climate change.*

5:25 Sarah MacLeod, St. Francis Xavier University; Alvaro Montenegro*, Ohio State University; Patrick Longobardi, St. Francis Xavier University; Hugo Beltrami, St. Francis Xavier University, *Albedo sensitivity of the temperature response to modeled deforestation..*

5:30 Ryan Allan*, California State University, Los Angeles, *Changes in Temperature and Snowfall Patterns at Big Bear Lake, California from 1960-2010.*

5:35 Florent Renard*, Université Jean Moulin Lyon 3 - UMR 5600 CNRS - France; Pierre-Marie Chapon*, WHO network facilitator for France for age-friendly cities - France; William Langlois de Septenville, Université Jean Moulin Lyon 3 - France; Jacques Comby, Université Jean Moulin Lyon 3 - UMR 5600 CNRS - France, *Topographic and land use effects on the occurrence of rain cells : a French example.*

4650. Port Cityscapes: Dynamic Perspectives on the Port-City-Waterfront Interface IV (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Transportation Geography Specialty Group)

Room: Angeleno, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Wouter Jacobs, Utrecht University

CHAIR(S): Peter Hall, Simon Fraser University

4:40 Nicholas Byrne*, *Connecting the Port and City of Prince Rupert: An Institutional Analysis.*

4:55 Anne Wiese, Dipl.-Ing. MSc*, TUM, *The spatialization of the Maritime Economy in Northern Germany- Regenerated Waterfronts are only the tip of an iceberg.*

5:10 César Ducruet*, CNRS / Paris I Sorbonne University; Hidekazu Itoh, Kwansei Gakuin University; Olivier Joly, Le Havre University, *Lifting the Anchors? A global perspective on ports' local linkages.*

5:25 Nicolas Raimbault*, Paris Est University - IFSTTAR ? SPLOTT; Wouter A.A. Jacobs, Institute of Transport and Maritime Management Antwerp (ITMMA) - University of Antwerp, *From local action into national discourse: the rise of Greenport Venlo as a Dutch international logistics hub.*

5:40 Thomas O'Brien, PhD*, Center for International Trade and Transportation; Laetitia Dablan, PhD, IFSTTAR; Genevieve Giuliano, PhD, University of Southern California; Kevin Holliday, University of Southern California, *Best Practices in Urban Freight Management.*

Discussant(s): Gernot Grabher, HafenCity University

4651. Urban Weather and Climates (III) - Asian Urban Climates (Sponsored by Asian Geography Specialty Group, Climate Specialty Group, Urban Geography Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Chandana Mitra, Auburn University; Winston Chow, Arizona State University

CHAIR(S): Chandana Mitra, Auburn University

4:40 Rupesh Gupta, PhD, University of Delhi; Andrew Bach, PhD*, Western Washington University; Debnath Mookherjee, PhD, Western Washington University, *Spatial and Temporal Variations of the Urban Heat Island in Jaipur City, Rajasthan, India.*

5:00 Susmita Dasgupta, Dr. *, World Bank; Asvini K. Gosain, Dr., IIT-Delhi; Sandhya Rao, Dr., INRM-India; Subhendu Roy, Dr.; Maria Sarraf, Ms., World Bank, *Vulnerability of Kolkata Metropolitan Area to Increased Precipitation in a Changing Climate.*

5:20 Zhenxin Liu*, Peking University, China; Department of Geography, University of California, Los Angeles (UCLA); Yongkang Xue, Department of Geography, University of California, Los Angeles (UCLA); Department of Atmospheric and Oceanic Sciences, University of California, Los Angeles (UCLA); Shuhua Liu, Peking University, China; Keith W. Oleson, National Center for Atmospheric Research, *Evaluating the effects of the Great Eastern China urbanization on the East Asian summer monsoon by coupling an urban canopy model with WRF.*

5:40 Ju Li*, Institute of Urban Meteorology, Beijing, China; Ziyue Zhang, Meteorological Bureau of Chaoyang district, Beijing, China; Yan Li, Meteorological Bureau of Chaoyang district, Beijing, China; Benzhi Zhang, Meteorological Bureau of Chaoyang district, Beijing, China, *Mobile traverse experiment on the thermal environment of Beijing's Central Business District.*

6:00 Vanessa H.M. Lim*, National University of Singapore; Matthias Roth, Dr., National University of Singapore, *Evaluation of an Urban Microclimate Model in Singapore.*

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4656. The Living New Deal: Towards A Revival of the Public III (Ideas)

Room: Highland, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Rachel Brahinsky, University of California - Berkeley; Gray Brechin, Living New Deal

CHAIR(S): Richard Walker, University of California-Berkeley

4:40 Lia Frederiksen*, University of Toronto, *Library Birds, Reading with a Purpose: a Genealogy of the New Deal Public Library.*

5:00 Ann Skartvedt, Ph.D.*, California College of the Arts, *The New Deal Planning Conversation in the Bay Area: Civic Engagement to Industrial Expansion.*

5:20 Akira Drake*, Rutgers University - Bloustein School of Planning and Public Policy, *Public Housing as Political Spaces of Resident Mobilization.*

5:40 Gray A Brechin, Ph.D.*, Living New Deal, UC Berkeley Department of Geography, *Permanence, Beauty, and Self-Respect: The Lost Ethical Language of New Deal Public Works.*

Discussant(s): Gray Brechin, Living New Deal

4657. Geographies of Peace IV: Reflections on the Caravan for Peace and Peace Activisms (Sponsored by Political Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)

Room: Hollywood, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Sara Koopman, University of British

Colombia; Joshua Inwood, University of Tennessee

CHAIR(S): Sara Koopman, University of British Columbia

Panelists: Byron Miller, University of Calgary; Joshua Inwood, University of Tennessee

4658. Water Resources and Sustainable Development, Session III (Sponsored by Middle East Specialty Group, Africa Specialty Group, Water Resources Specialty Group)

Room: Melrose, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Ezgi Akpinar Ferrand, Southern Connecticut State University

CHAIR(S): Ezgi Akpinar Ferrand, Southern Connecticut State University

4:40 Gabriela Da Costa Silva*, U of S, *Managing the effects of climate change on urban water resources.*

5:00 Stephanie J. Buechler, PhD*, University of Arizona; Francisco Alvarado, BA, unaffiliated; Christopher A. Scott, PhD, University of Arizona; Ashley Schmeltzer, MA, unaffiliated; Stephen Yool, PhD, University of Arizona, *Knowledge Sharing for Climate Change Adaptation: Urban Heat Island Mitigation in Tucson, Arizona.*

5:20 Jeff La Freniere*, Ohio State University, *Perceptions of Hydrologic Change and Livelihood Vulnerability in the Ecuadorian Andes.*

5:40 Rachel Will*, Kent State University, *Examining Peru's Water Crisis: Understanding the Importance of Local Knowledge in Mitigating Issues of Water Scarcity..*

6:00 Richard Achia Mbih*, University of Missouri-Kansas City; Richard Achia Mbih, *Water crisis in Northwest Cameroon, the case study of the Ndop floodplain.*

4659. Hazards, Risks, and Disasters Specialty Group Session: Analysis of Natural and Biogeographical Hazards (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Olvera, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Ronald R Hagelman III, Texas State University

CHAIR(S): Ronald R Hagelman III, Texas State University

4:40 Johnathan Kirk*, Kent State University, *Developing a GIS-based Probabilistic Riverine Flood Inundation Map for the Tonawanda Creek.*

5:00 Jun Luo*, Missouri State University, *Assessing Sinkhole Risk in Springfield MO with GIS.*

5:20 Bohumir Jansky, Prof. *, Faculty of Science, Charles

University in Prague; Miroslav Sobr, Charles University; Zbynek Engel, Charles University; Michal Cerny, Geomin company, *The Lakes of Kyrgyzstan: Dangerous Development Caused By Climate Change.*

5:40 Andrew Murphy, Curtin University; Jianhong(Cecilia) Xia*, Curtin University, *Risk Analysis of Animal Vehicle Crashes: A Hierarchical Bayesian Approach to Spatial Modelling.*

6:00 Ricardo Nogueira*, Georgia State University; Kathleen M Baker, Western Michigan University, *Tropical Cyclone Events and Late Season Disease Risk Triggers: The Case of Late Blight in the Eastern US.*

4660. "How did we miss this?" Reflections from the Afghan Desert on COIN (counterinsurgency) and Water (Sponsored by Military Geography Specialty Group)

Room: Olympic, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Laura Jean Palmer-Moloney, USACE - ERDC

CHAIR(S): Paul Starrs, University of Nevada

Introducer: Paul Starrs

Discussant(s): Laura Jean Palmer-Moloney, USACE - ERDC; Nigel Allan, UC Davis

4661. Geographies of Media VIII: Media & Journalism (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): John Finn, Christopher Newport University;

Joseph Palis, North Carolina State University

CHAIR(S): Scott Rodgers, Birkbeck, University of London

4:40 Mike Gasher*, Concordia University, *Who are We? Where is Here? The News Geographies of Montreal's Four Daily Newspapers.*

5:00 Scott Rodgers*, Birkbeck, University of London, *Phenomenological spaces of journalism as urban practice: exploring recent developments in city-focused and hyperlocal media.*

5:20 Elin Saether, PhD*, University of Oslo, Department of Sociology and Human Geography, *The media as the mirror: Chinese media studies and geopolitical implications.*

4662. History of Geography II: Case Studies in the History of Cartography (Sponsored by History of Geography Specialty Group, Cartography Specialty Group, AAG Archives and Association History Committee)

Room: Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Dorothy Sack, Ohio University

CHAIR(S): Dorothy Sack, Ohio University

4:40 Naeema Alhosani*, *An Evaluation of the World Map with Al-Idrisi's Book of Roger: The Depiction of Arabia.*

5:00 Lourdes De Ita, PhD*, Universidad Michoacana De San Nicolas De Hidalgo, Morelia, Mexico, *A Sixteenth Century Mexican Portulan: Clues to its Historical Analysis.*

5:20 Monica Hoffman*, UCSD, *Mapping Vulnerability in Colonial Medical Maps.*

5:40 John Cloud*, NOAA Central Library; John Cloud, NOAA Central Library, *The Curious Case of "White Culture" and the Cartography of Griffith Taylor--and the AAG.*

6:00 Stephen Hornsby*, University of Maine, *Picturing the World: American Pictorial Maps, 1920-1950.*

4663. Post-secular spaces: explorations beyond secular theory and research

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Banu Gokariksel, University of North

Carolina, Chapel Hill; Elizabeth Olson, UNC-Chapel Hill

CHAIR(S): Banu Gokariksel, University of North Carolina, Chapel Hill

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Panelists: Nicolas Howe, Williams College; Justin Wilford, University of California Los Angeles; Frances Rabbitts, University of Exeter; Justin Tse, University of British Columbia, Department of Geography; Murat Es, University of North Carolina at Chapel Hill; Hulya Arik, York University

4664. Light, Landscape and Place IV: Panel Session

Room: Pico, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Steve Millington, Manchester Metropolitan University; Tim Edensor, Manchester Metropolitan University

CHAIR(S): Steve Millington, Manchester Metropolitan University

Panelists: Tim Edensor, Manchester Metropolitan University; Joni Palmer, University of Colorado at Boulder; Nona Schulte-Roemer, WZB; Katharina Krause, Leibniz Institute for Regional Development and Structural Planning; Alice Barnaby, University of Bedfordshire

4670. Geography Education: Universities

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Donald G. Sullivan, University of Denver

4:40 Birgit Neuer*, University of Education at Karlsruhe, *Digital narrations in geography*.

5:00 Lee Ann Nolan*, Pennsylvania State University, *Information Seeking Behavior and Needs of Geographers*.

5:20 Joseph T Koroma, Ph.D.*, West Hills College, *The Economic Geography of Community Colleges in the United States: A Case Study of California Community College System*.

5:40 Tatiana N Serebriakova, Ph.D.*, Adjunct Geography Professor, University of Connecticut; Julia M Yakovich, MPA, Director of Service-Learning, University of Connecticut, *The Impact of Service Learning Component on Effective Teaching of Undergraduate Geography Courses*.

6:00 Donald G. Sullivan*, University of Denver, *Field Quarter at the University of Denver*.

4671. Blue and Green Economies 3: Paradigm shift or hegemonic realignment in environmental discourse? (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Bernard's, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Luke Fairbanks, Duke University; Catherine Corson, Mount Holyoke College

CHAIR(S): Catherine Corson, Mount Holyoke College

4:40 Luke Fairbanks*, Duke University, *Agency of an agency: Science, power, and politics in US marine aquaculture policymaking*.

5:00 Elise Demeulenaere, CNRS - Muséum National d'Histoire Naturelle; Monica Castro*, Université de Pau et des Pays de l'Adours, *Greening agriculture: farming models in the Green Economy*.

5:20 Consuelo Guayara Sanchez*, University of Iowa, *Green Development and Food Production In Colombia: Exploratory Issues*.

5:40 Eric Nost*, University of Kentucky, *Measuring and marketing ecosystem services, functions, and values in Oregon*.

6:00 Elizabeth N Shapiro*, Duke University, *Irrational, Semi-Economic, Disenfranchised Actors: Challenging the Market-Based Principles of Payments for Ecosystem Services in Mexico*.

4672. Energy

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Michael Dorsch

4:40 Andrey N. Petrov*, University of Northern Iowa; Jordan M. Wessling, University of Northern Iowa, *Using Machine-Learning Algorithms for Wind Turbine Site Suitability Modeling in Iowa, USA*.

5:00 Abdulkareem Hawta Al-Khayyat, Salahaddin University; Stephen J. Stadler*, Oklahoma State University, *Bringing Iraq to the Wind: A wind power model*.

5:20 Marissa Z Bell*, SUNY Buffalo, *Nuclear Energy in a Post-Fukushima World: Trends in Energy Generation, Policies and Perceptions*.

5:40 Rolf Sternberg*, Montclair State University, *Energy in the Corridor of Time 1973-2013*.

6:00 Michael J. Dorsch, M.A.*, Earth & Environmental Science, The Graduate Center, City University of New York, *Energy Inequality: Spatial Analysis of Nonrenewable and Renewable Electricity Production in California and New York*.

4673. Knowledge Discovery in Cyberspace and Social Media - Session THREE (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)

Room: Corinthian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Ming-Hsiang Tsou, San Diego State University

CHAIR(S): Ming-Hsiang Tsou, San Diego State University

4:40 Edwin Chow*, Texas State University - San Marcos; Khila R Dahal, Texas State University - San Marcos, *Web, the People*.

5:00 Ninghua Wang*, San Diego State/UC Santa Barbara; Daniel Lusher, San Diego State University; Ming-Hsiang Tsou, San Diego State University, *Improve the accuracy for geolocating cyberspace*.

5:20 SU YEON HAN*, San Diego State University, *The Variety of Analyzing and Visualizing the Spatial Distribution of Web Pages and Social Media (Twitter)*.

5:40 John Urata*, San Diego State University, *Social Media Information Landscape: A Case Study in the Spatial Patterns of Geocoded Tweets*.

4674. Reimagining Regions and Revisiting Geographic Thought

Room: Corsican, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): John J Martin, Jacksonville University

4:40 O.T. Ford*, University of California, Los Angeles (UCLA), *Civilizations as world regions*.

5:00 Matthew Miller, Ph.D.*, Oklahoma State University, *Re-evaluating Surface Area Calculations To Factor Slope Into Ordinal Comparisons of Political Units*.

5:20 John J Martin, Ph.D.*, Jacksonville University, *Dirty Geography*.

5:40 Dmitrii Sidorov*, CSULB.

4675. Remote Sensing and Vegetation

Room: Florentine, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jindong Wu, California State University

4:40 Bohua Ling*, *Canopy nitrogen content estimates of mixed grasslands in Konza Prairie by hyperspectral analysis*.

5:00 Laura Duncanson*, University of Maryland; Ralph Dubayah, University of Maryland; George Hurtt, University of Maryland; James Kellner, University of Maryland; Bruce Cook, NASA Goddard Space Flight Center, *Fusing allometric scaling theory with lidar remote sensing for improved biomass estimation*.

5:20 Sachidananda Mishra*, Mississippi State University; Deepak R Mishra, University of Georgia, *Quantification of Cyanobacterial Phycocyanin Concentration in Turbid Productive Waters through Bio-optical Inversion*.

5:40 Yuhong He*, University of Toronto Mississauga, *Estimating grassland chlorophyll content from leaf to landscape*

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level: bridging the gap in spatial scales.

6:00 Jindong Wu, Ph.D.*, California State University, Fullerton; John Carroll, Ph.D., California State University, Fullerton; Michael Shensky, California State University, Fullerton; Kelly Fair, California State University, Fullerton; Scott Fretwell, California State University, Fullerton, *Inventory Based Estimation of Carbon Storage and Uptake by Urban Trees in Southern California*.

4676. Integrated Natural Disaster Reduction and Sustainable Development in China II (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Grecian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Xinyue Ye, Bowling Green State University; Peijun Shi, Beijing Normal University

CHAIR(S): Peijun Shi, Beijing Normal University

4:40 Wang Zhu*, Beijing Normal University, Beijing 100875, China; Tao Ye, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, Beijing 100875, China; Jingbao Li, College of Resources and Environmental Science, Hunan Normal University, Hunan, 410000, China; Peijun Shi, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, Beijing 100875, China; Yongchang Meng, Beijing Normal University, Beijing 100875, China; Man Li, Beijing Normal University, Beijing 100875, China, *Drought Risk Assessment for Paddy Rice in the Northern Area of Dongting Lake District, Hunan Province, China*.

5:00 Mengjie Li*, Beijing Normal University; Ming Wang, Beijing Normal University; Peijun Shi, Beijing Normal University, *Temporal-Spatial Distribution of Rainstorm Flood Disasters in Hunan, China and Its Relationship with Economic Development*.

5:20 Lifan Xu*, Peking University; Xuegong Xu, Peking University; Xin Zhou, Peking University, *Integrated Risk Assessment of Earthquake Disaster along Bohai Sea Rim in China*.

5:40 Fuyu Hu*, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, Beijing, China; Saini Yang, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, Beijing, China; Wei Xu, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, Beijing, China, *Location and districting model based heuristic for earthquake shelter planning*.

6:00 Weiyue Li*, Center for Spatial Information Science and Sustainable Development Applications, Tongji University; College of Surveying and Geo-Informatics, Tongji University; Advanced Radar Research Center; Chun Liu, Center for Spatial Information Science and Sustainable Development Applications, Tongji University; College of Surveying and Geo-Informatics, Tongji University; Yang Hong, Department of Civil Engineering and Environmental Science, University of Oklahoma; Advanced Radar Research Center, University of Oklahoma; Ron Li, Center for Spatial Information Science and Sustainable Development Applications, Tongji University; Mapping and GIS Lab, CECE, The Ohio State University, *Landslide risk mapping and modeling in China*.

4678. Population Geography - USA: Methods and Contemporary Change

Room: Mediterranean, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jacob Mckee, Oak Ridge National Lab

4:40 Paul J. Mackun*, U.S. Census Bureau, *New Delineations of Core Based Statistical Areas: The Office of Management and Budget's Metropolitan and Micropolitan Statistical Areas*.

5:00 Justyna Goworowska*, U.S. Census Bureau; Thomas Fischetti, U.S. Census Bureau, *How It's Made: Constructing a Core Based Statistical Area*.

5:20 Darryl T. Cohen*, U.S. Census Bureau, *Population Change in American Cities: 2000 to 2010*.

5:40 Jacob Mckee*, Oak Ridge National Lab; Timmy Huynh, Oak Ridge National Lab; Amy Rose, Oak Ridge National Lab; Eddie Bright, Oak Ridge National Lab, *Spatially Explicit Projection of U.S. Population: Spatial Distribution of U.S. Population Projections for 2030 and 2050*.

6:00 Nancy Perry*, George Mason University, *Measuring Segregation using Manuscript Census Data*.

4679. Spatial Data, Analysis, and Modeling

Room: Moroccan, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jana Jichova, Charles University in Prague

4:40 Alex Clapp*, Simon Fraser University, *Open Data in Environmental Governance*.

5:00 Kenneth Steif*, University of Pennsylvania, *Toward School Improvement Districts: Using a Spatial-Counterfactual to Evaluate the Costs and Benefits of a University-Funded Public School Intervention*.

5:20 Xin Zhao, Ph.D., University of Redlands, School of Business; Serene Ong*, University of Redlands, Institute for Spatial Economic Analysis, *Data Quality, Data Availability and Tobler's First Law of Geography: an Application of Neural Networks to Spatial Retail Data*.

5:40 Jana Jichova*, Charles University in Prague, *The spatial distribution of crime in the Czech Republic in the context of Western countries*.

6:00 Fang Qiu*, University of Texas - Dallas; Harini Sridharan, Ph.D., Oak Ridge National Lab, *A spatially disaggregated areal-interpolation model using LiDAR derived building volumes*.

4680. Tobler Lecture (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Roman, Biltmore, Mezzanine Level (Panel Session)

ORGANIZER(S): Seth Spielman, University of Colorado

CHAIR(S): Seth Spielman, University of Colorado

4:40 Dawn Wright, Environmental Systems Research Institute

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- 4706. Water Resources Specialty Group Business Meeting**
Room: *Los Feliz, Westin, Lobby Level*
- 4707. Hazards, Risks, and Disasters Specialty Group Business Meeting**
Room: *Palos Verdes, Westin, Lobby Level*
- 4719. Health and Medical Geography Specialty Group Business Meeting**
Room: *Santa Barbara C, Westin, Lobby Level*
- 4727. Disability Specialty Group Business Meeting**
Room: *Santa Monica A, Westin, Level 3*
- 4728. Geographic Perspectives on Women Specialty Group Business Meeting**
Room: *Santa Monica B, Westin, Level 3*
- 4730. Wine Specialty Group Business Meeting**
Room: *Santa Monica D, Westin, Level 3*
- 4751. China Specialty Group Business Meeting**
Room: *Bunker Hill, The LA Hotel, Level 2*
- 4761. Population Specialty Group Business Meeting**
Room: *Pacific Ballroom Salon 1, The LA Hotel, Level 2*
- 4762. Cultural and Political Ecology Specialty Group Business Meeting**
Room: *Pacific Ballroom Salon 2, The LA Hotel, Level 2*

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- 4806. Stand-Alone Geographers Affinity Group Business Meeting**
Room: *Los Feliz, Westin, Lobby Level*
- 4807. Geography Education Specialty Group Business Meeting**
Room: *Palos Verdes, Westin, Lobby Level*
- 4809. Environmental Perception and Behavioral Geography Specialty Group Business Meeting**
Room: *San Fernando, Westin, Lobby Level*
- 4819. Qualitative Research Specialty Group Business Meeting**
Room: *Santa Barbara C, Westin, Lobby Level*
- 4827. Asian Geography Specialty Group Business Meeting**
Room: *Santa Monica A, Westin, Level 3*
- 4828. Geomorphology Specialty Group Business Meeting**
Room: *Santa Monica B, Westin, Level 3*
- 4830. Applied Geography Specialty Group Business Meeting**
Room: *Santa Monica D, Westin, Level 3*
- 4851. Ethics, Justice, and Human Rights Specialty Group Business Meeting**
Room: *Bunker Hill, The LA Hotel, Level 2*
- 4861. Socialist and Critical Geography Specialty Group Business Meeting**
Room: *Pacific Ballroom Salon 1, The LA Hotel, Level 2*
- 4862. Cultural Geography Specialty Group Business Meeting**
Room: *Pacific Ballroom Salon 2, The LA Hotel, Level 2*

7:00 PM - 10:30 PM**World Geography Bowl**

7:00 p.m. - 10:30 p.m.

Room: *California Grand Ballroom Salons 1-4, The LA Hotel, Level 2*

Student teams from the AAG's regional divisions will compete in a round robin tournament starting at 7:00 p.m. in the California Grand Ballroom Salons 1-4, LA Hotel Downtown, Level 2. The Championship Round will begin at approximately 10:00 p.m. (see page 34 for a full description)

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- 4906. Human Dimensions of Global Change Specialty Group Business Meeting**
Room: *Los Feliz, Westin, Lobby Level*
- 4907. Coastal and Marine Specialty Group Business Meeting**
Room: *Palos Verdes, Westin, Lobby Level*
- 4909. Ethnic Geography Specialty Group Business Meeting**
Room: *San Fernando, Westin, Lobby Level*
- 4919. Recreation, Tourism, and Sport Specialty Group Business Meeting**
Room: *Santa Barbara C, Westin, Lobby Level*
- 4927. Regional Development and Planning Specialty Group Business Meeting**
Room: *Santa Monica A, Westin, Level 3*
- 4930. Private/Public Affinity Group Business Meeting**
Room: *Santa Monica D, Westin, Level 3*
- 4951. European Specialty Group Business Meeting**
Room: *Bunker Hill, The LA Hotel, Level 2*
- 4961. Remote Sensing Specialty Group Business Meeting**
Room: *Pacific Ballroom Salon 1, The LA Hotel, Level 2*
- 4962. Economic Geography Specialty Group Business Meeting**
Room: *Pacific Ballroom Salon 2, The LA Hotel, Level 2*

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

For special events, please see the Special Events & Meetings Summary on p. 42-44.

SATURDAY, APRIL 13 • 8:00 AM - 9:40 AM • 5100**8:00 a.m. - 9:40 a.m.****5101. Christian Geographical Theory (Sponsored by Geography of Religions and Belief Systems Specialty Group)**

- Room:* Beaudry A. Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Jason VanHorn, Calvin College
 CHAIR(S): Jason VanHorn, Calvin College
8:00 Jason VanHorn, Ph.D., Calvin College; Bethany Van Kooten*, Calvin College; Emma DeVries, *Christian Geography*.
8:20 Janel Curry*, Gordon College, *Cultural Landscapes in the Debate over God's Sovereignty or Openness*.
8:40 Michael P. Ferber, Ph.D., The King's University College, *Facing the crises of our time: Revolution and Response in the Kingdom of God*.
9:00 Jason VanHorn, Ph.D., Calvin College; Nathan Mosurinjohn*, University of Oregon, *Efficiency Analysis in Congregational Community Service*.
9:20 Emma H DeVries*, Calvin College, *Movements toward morality in the man-land tradition: Explorations in Christian environmental ethics*.

5102. Intersecting with urban policy mobilities: research agendas, critiques, possibilities (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

- Room:* Beaudry B. Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Tom Baker, University of Newcastle, Australia; Cristina Temenos, Simon Fraser University
 CHAIR(S): Cristina Temenos, Simon Fraser University
 Introducer: Tom Baker
 Discussant(s): Jennifer Robinson, University College London
 Panelists: Jane M Jacobs, University of Edinburgh; Ian Cook; Merje Kuus, University of British Columbia; Eugene McCann, Simon Fraser University

5103. Territory, Politics, and Economies in East Asia I (Sponsored by Asian Geography Specialty Group, Borders)

- Room:* La Brea, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Bae-Gyoon Park, Seoul National University; Jinn-yuh Hsu
 CHAIR(S): Bae-Gyoon Park, Seoul National University
8:00 Sang-Hyun Chi*, Kyung Hee University, *The geopolitics of territorial disputes in East Asia*.
8:20 Yukio Maeda*, Osaka University of Economics and Law; Ikuo Gono, Takachiho University, *Politics of Multiscale Contamination and Social Agonism: Re-territorialization and De-territorialization of Japan and Beyond*.
8:40 Jinn-yuh Hsu*, Department of Geography, National Taiwan University, *The Contradiction between Geopolitical Calculation and Geoeconomic Strategies in the Cross-Strait Economic Cooperation Framework Agreement*.
9:00 Szuyun Hsu*, University of British Columbia, *To Integrate or Not to Integrate? A Genealogy of Economic Security in Taiwan*.

5106. Spatiotemporal Thinking, Computing and Applications 11: Climate (Sponsored by Cyberinfrastructure Specialty Group, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group)

- Room:* Los Feliz, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Chaowei Yang, George Mason University; Weihe Wendy Guan, Harvard University
 CHAIR(S): May Yuan, Univ of Oklahoma
8:00 James Bothwell*, Oklahoma City Community College, *Model based separation of GCM output using the kinematic temporal GIS framework*.
8:20 Michael Davis*, Kutztown University of Pennsylvania; Jialin Lin, Ohio State University; Scott Stuckman, Ohio State University, *The Global Warming Events in*

the Past 60 Years.

- 8:40** Liliana Perez, Ph.D., University of Victoria; Trisalyn Nelson, Ph.D., University of Victoria; Nicholas Coops, Ph.D., University of British Columbia; Fabio Fontana, Ph.D., Federal Office of Meteorology and Climatology MeteoSwiss, *Climate change scenarios within the context of biodiversity: a case study in the Canadian boreal forest*.
9:00 Hyeeyong Choe*, UC Davis; Robert J. Hijmans, UC Davis; Joshua Perlman, UC Davis, *Spatio-temporal Variation in Crop Production in the USA*.
9:20 Linda O. Mearns, Dr.*, National Center for Atmos. Research, *The North American Regional Climate Change Assessment Program (NARCCAP): Overview of Complete Climate Change Results*.

5108. Tools for Spatial Learning

- Room:* San Bernardino, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): David DiBiase, ESRI
 CHAIR(S): David DiBiase, ESRI
8:00 Sean O'Connor*, National Geographic Education, *Battle Tools for Geo-Literacy: Online Maps, Media, and Reference from National Geographic Education*.
8:20 Jennifer N. Swift*, University of Southern California, *The Impact of Web and Mobile GIS on How We Teach*.
8:40 Patrick Kennelly*, LIU Post; Kiichi Takeuchi, LIU; Vic DiVenere, LIU Post; Lillian Tanguay-Hess, LIU Post, *A Customized iPad App for a Geologic Field Exercise*.
9:00 David DiBiase*, Esri, *Implementing Spatial Thinking Across the College Curriculum*.

5109. Map Design and Neocartography I (Sponsored by Cartography Specialty Group)

- Room:* San Fernando, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Kenneth Field, Esri
 CHAIR(S): Kenneth Field, Esri
8:00 Kenneth Field*, Esri, *Leave it alone: use and abuse of Beck's Tube map*.
8:20 Michael Peterson*, University of Nebraska at Omaha, *Programming Cloud Mapping*.
8:40 Ryan Mullins*, The Pennsylvania State University, Department of Geography; Scott Pezanowski, The Pennsylvania State University, Department of Geography; Anthony Robinson, Ph.D., The Pennsylvania State University, Department of Geography; Alan M MacEachren, Ph.D., The Pennsylvania State University, Department of Geography, *The SymbolStore: A Social Forum for the Creation, Sharing, and Evaluation of Symbols*.
9:00 Aileen R. Buckley, Ph.D., Esri, *Improving the design and effectiveness of spatial-temporal maps*.
9:20 Andrew Turner*, Esri, *Hacking to Help a Crisis*.

5111. Author-meets-critics: Richard Schroeder's Africa after Apartheid: South Africa, Race, and Nation in Tanzania (Sponsored by Africa Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

- Room:* San Gabriel B, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Rod Neumann, Florida International University
 CHAIR(S): Rod Neumann, Florida International University
 Panelists: Rod Neumann, Florida International University; Benjamin Gardner, University of Washington Bothell; Garth Myers, Trinity College; Richard A. Schroeder, Rutgers University; Judith Carney, University of California, Los Angeles (UCLA)

5112. Rural Development in a Globalized World

- Room:* San Gabriel C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Urban Lindgren, Umeå University

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8:00 Janette Bulkan, Dr*, University of British Columbia,
Reservations for rural communities: opportunities for Guyana, Suriname and Belize.

8:20 Jie LUO*, *Research on Urban and Rural Construction Land Growth in Japan.*

8:40 Yves Bourgeois, PhD*, Urban and community studies institute, UNB, *The digital divide in technology adoption and content production between metro and rural SMEs.*

9:00 Toivo Muilu, Professor*, University of Oulu, Department of Geography, Finland, *Rural Proofing in Regional Mergers.*

9:20 Katarina Haugen, Umeå University; Urban Lindgren*, Umeå University, *Forest ownership: a means for boosting the performance of non-forestry micro firms in rural areas?*

5114. Navigating the Process of Journal Publishing in Biogeography (Sponsored by Graduate Student Affinity Group, Biogeography Specialty Group)

Room: Santa Anita A, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Melanie Stine, Texas State University-San Marcos

CHAIR(S): Melanie Stine, Texas State University-San Marcos

Panelists: David R. Butler, Texas State University - San Marcos; Lynn Resler, Virginia Polytechnic Institute & State University; Steven Schnell, Kutztown University; David Cairns, Texas A&M University

5115. Governmentality of built environment: creativity, culture and design 1

Room: Santa Anita B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Maros Krivy

CHAIR(S): Maros Krivy

8:00 Thomas Doerfler*, University of Goettingen, *The Governmentality of (New) Urbanism: Hamburg-Wilhelmsburg and Foucault's 'governing the other's field of action'.*

8:20 Jan Balke*, ILS - Research Institute for Regional and Urban Development, *Governing and Embedding Urban Architecture in the 'Culture-led City'. The case study of Hamburg's Elbe Philharmonic Hall.*

8:40 Maros Krivy*, Estonian Academy of Arts / University of Helsinki, *The notion of difference in theories of parametric architecture and creative city.*

9:00 Krzysztof Stachowiak*, Adam Mickiewicz University, Poland, *Discourses on the creative economy: Identifying the main threads and their contexts in academic and policy debates.*

9:20 Laura Calbet Elias*, Center for Metropolitan Studies - Technical University Berlin, *From affordable to upscale - Redefining Housing Policies in Berlin.*

5116. Kurdish Geographies of Space, Place, and Power (Sponsored by Political Geography Specialty Group, Middle East Specialty Group)

Room: Santa Anita C, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Jessie H Clark, University of Arizona; Christian Sinclair, CMES, Univ of Arizona

CHAIR(S): Jessie H Clark, University of Arizona

8:00 Christian Sinclair*, Center for Middle Eastern Studies, Univ of Arizona, *Kurds in motion: Mapping migration and movement across "boundaries" of Syria.*

8:20 Carl T. Dahlman*, Miami University; Sanan Moradi, Miami University, *From Serbexoy to Fedralizm: Decentralization and the New Kurdish Geopolitics.*

8:40 Bilal Gorentas*, *On The Edge of The Imagined Geographies and Communities: A Study of Border at Turkey's Iran/Iraq Borders..*

9:00 Marijn Nieuwenhuis*, University of Warwick, Politics Department, *Marginalised Cartographies: Kurdish and*

Uyghur Geographies.

9:20 Dilan Okcuoglu*, Queen's University, *State policies of domination in Turkey's borderlands.*

5117. Community Geography Teaching and Research: A Discussion among Professors and Students about the Opportunities and Tensions of Community Engaged Scholarship 1 (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Santa Barbara A, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Jonnell Robinson, Syracuse University;

Timothy Hawthorne, Georgia State University

CHAIR(S): Daniel Block, Chicago State University

Discussant(s): Daniel Block, Chicago State University

Panelists: Jonnell Robinson, Syracuse University; Timothy Hawthorne, Georgia State University; Sean Keefe, Syracuse University; Jonathan Finnie, University of Kentucky

5118. Land Change Modeling: Concepts, Techniques, and Applications (Sponsored by Geographic Information Science and Systems Specialty Group, Landscape Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Santa Barbara B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Ting Liu; Xiaojun Yang, Florida State University

CHAIR(S): Ting Liu

8:00 Xue Li*, Michigan State University; Joseph Messina, Michigan State University, *Simulating future urban change under different development strategies, a case study of Urumqi, China.*

8:20 Zhaoya Gong*, University of North Carolina at Charlotte; Jean-Claude Thill, University of North Carolina at Charlotte; Wenwu Tang, University of North Carolina at Charlotte, *Multi-scale Modeling of Land-use Change in A Polycentric Urban System: A Cyber-enabled High-performance Computing Approach.*

8:40 Justin Laue*, University of Texas; Eugenio Arima, University of Texas, *Land Abandonment and Forest Regrowth in the Brazilian Amazon.*

9:00 Ziyue Chen*, *Modelling 3D Urban Landscape Ecology Using Airborne Lidar Data.*

9:20 Ting Liu*, Florida State University; Xiaojun Yang, Florida State University, *Simulating Residential Development Decisions Through An Agent-Based Approach.*

5119. Spatializing Shattered Subjects: Geographies of Trauma (I) (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Santa Barbara C, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Kate Coddington, Syracuse University;

Jacquelyn Micieli-Voutsinas, Syracuse University

CHAIR(S): Jacquelyn Micieli-Voutsinas, Syracuse University

8:00 David A. Messenger*, University of Wyoming, *The Trauma of Exile: Place and Image in the Memorial Museum of Exile in Catalonia.*

8:20 Ronen Steinberg, Dr.*, Michigan State University, *Spaces of Terror: Mass Graves and Expiatory Monuments in Post-Revolutionary France.*

8:40 Gail Hutcheson*, University of Waikato, *Spaces of relocation and trauma: affect and proximity in the Canterbury earthquakes, Aotearoa, New Zealand.*

9:00 Donna-Lee L Frieze, PhD*, Deakin University and Centre for Jewish History; Donna L Frieze, PhD, Deakin University and Centre for Jewish History, *'It's still in your body': Identity, place and trauma in Holocaust testimonies.*

9:20 Adam Duell*, Keele University, *Smoke-on-Trent: Post-trauma identity and urban regeneration.*

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- 5120. Michel Serres and Geographic Thought**
Room: *Sacramento, Westin, Level 2* (Paper Session)
 ORGANIZER(S): Elizabeth R. Johnson, University of Wisconsin - Madison
 CHAIR(S): Katharine Kindervater, University of Minnesota
 Introducer: Elizabeth R. Johnson
8:20 Katharine Kindervater*, University of Minnesota, *Michel Serres and Geography: Quasi-objects, Parasites, and Networks*.
8:40 Rob Shields*, University of Alberta, *Archetypes of Cultural Topology*.
9:00 Stuart Mclean*, University of Minnesota, *Writing With Serres*.
 Discussant(s): Arun Saldanha, University of Minnesota - Minneapolis
- 5123. Global environmental changes in mountain land-water-scapes. (Sponsored by Cryosphere Specialty Group, Geomorphology Specialty Group, Climate Change, Variability, Adaptation and Justice, Mountain Geography Specialty Group)**
Room: *San Jose, Westin, Level 2* (Paper Session)
 ORGANIZER(S): Alfonso Fernandez, The Ohio State University; Bryan Mark, The Ohio State University
 CHAIR(S): Alfonso Fernandez, The Ohio State University
8:00 Eric A. Sproles*, US Environmental Protection Agency; Scott G. Leibowitz, US Environmental Protection Agency; Parker J. Wigington, US Environmental Protection Agency; Sopan Patil, US Environmental Protection Agency; Randy L. Comeleo, US Environmental Protection Agency, *Analysis of the spatial and temporal variability of mountain snowpack and terrestrial water storage in the Upper Snake River, USA*.
8:20 Klaus Bayr*, Keene State College; Dorothy K Hall, Goddard Space Flight Center, NASA; Christopher Dunn, Keene State College; Michael Kelly, Keene State College, *Do the recessions of the Pasterze Glacier, Austria, curtail the hydro-power production ?*.
8:40 Ashley V York*, Northern Arizona University; Erik Schiefer, PhD, Northern Arizona University, *A Comparison of Geodetically Derived Mass Balances Among Small Glaciers in the Southern Coast Mountains, British Columbia, Canada*.
9:00 Alfonso Fernandez*, The Ohio State University; Bryan Mark, The Ohio State University; Mario Pino, Austral University of Chile, *Unraveling glacier mass balance in South America through numerical models: 1979 - 2009*.
- 5125. Dis/Abling Heteronormativity: Reading Queer Places, Practices, and Lives through a Disability Studies Framework. (Sponsored by Disability Specialty Group, Sexuality and Space Specialty Group)**
Room: *Emerald Bay, Westin, Level 3* (Paper Session)
 ORGANIZER(S): Leonor Vanik, UIC-Chicago; Debanuj DasGupta, The Ohio State University
 CHAIR(S): Leonor Vanik, UIC-Chicago
8:00 Andrew Gorman-Murray*, University of Western Sydney, *Queer domicile? LGBT displacement and home loss in disaster impact, response and recovery*.
8:20 Marian Mustoe*, Eastern Oregon University, *Trans Substantiation: Integrating the transgender experience within the religious political landscape of Anchorage, Alaska*.
8:40 John Paul Catungal*, University of Toronto, *Queers of colour and the fraught spaces of the sexual normal*.
9:00 Debanuj DasGupta, Doctoral Student*, The Ohio State University, *(Dis)ability Regimes and the Precarious Queer Migrant Body*.
 Discussant(s): Debanuj DasGupta, The Ohio State University
- 5126. Counterinsurgency, "Tribal Regions," and Indigenous Peoples (Sponsored by Indigenous Peoples Specialty Group)**
Room: *Hollywood Ballroom, Westin, Level 3* (Panel Session)
 ORGANIZER(S): Zoltan Grossman, The Evergreen State College
 CHAIR(S): Zoltan Grossman, The Evergreen State College
 Panelists: Joseph Bryan, Department of Geography, University of Colorado, Boulder; Denis Wood
- 5127. Environmental Justice Research: Contemporary Issues and Emerging Topics I (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Health and Medical Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)**
Room: *Santa Monica A, Westin, Level 3* (Paper Session)
 ORGANIZER(S): Jayajit Chakraborty, University of South Florida; Timothy Collins, University of Texas - El Paso
 CHAIR(S): Jayajit Chakraborty, University of South Florida
8:00 Bob Bolin*, Arizona State University; Lauren Gentile, Arizona State University; Joe Tucillo, Arizona State University; Katelyn Parady, Arizona State University, *Desertification in the Central City: A Political Ecology of Environmental Degradation in Phoenix, AZ*.
8:20 Sara Grineski*, University of Texas at El Paso; Jayajit Chakraborty, University of South Florida; Timothy W Collins, University of Texas at El Paso; Marilyn Montgomery, University of South Florida, *Hazardous Air Pollutants and Flooding: A comparative interurban study of environmental injustice*.
8:40 Timothy Collins*, University of Texas - El Paso; Sara E Grineski, University of Texas - El Paso; Jayajit Chakraborty, University of South Florida; Marilyn Montgomery, University of South Florida, *Downscaling Environmental Justice Analysis: Household-Level Disparities in Cancer Risks from Air Toxics*.
9:00 Maricarmen Hernandez*, Sara E Grineski, PhD, University of Texas- El Paso; Timothy W Collins, PhD, University of Texas- El Paso; Jayajit Chakraborty, PhD, University of South Florida, *Immigrant Communities and Environmental Justice: A Comparative Study of Residential Mobility and Exposure to Air Toxics*.
9:20 José Salvador Castañeda*, University of Texas at El Paso; Timothy W. Collins, Ph.D., University of Texas at El Paso; Sara E. Grineski, Ph.D., University of Texas at El Paso; Maricarmen Hernandez, University of Texas at El Paso, *Exploring Factors Creating Vulnerability and Resilience to Flooding for US Hispanic Households: Environmental Justice Implications*.
- 5128. The Political Geography of the 2012 U.S. Presidential Election (Sponsored by Political Geography Specialty Group)**
Room: *Santa Monica B, Westin, Level 3* (Panel Session)
 ORGANIZER(S): Fred Shelley, University of Oklahoma
 CHAIR(S): Fred Shelley, University of Oklahoma
 Panelists: Richard Morrill, University of Washington; Barney Warf, University of Kansas; Ryan Weichelt, University of Wisconsin-Eau Claire; John Wertman, Association of American Geographers
- 5129. Post-colonial Urbanisms: African connections and innovations I: (Re)ordering the City (Sponsored by Political Geography Specialty Group, Global Urbanization, Urban Geography Specialty Group, Africa Specialty Group)**
Room: *Santa Monica C, Westin, Level 3* (Paper Session)
 ORGANIZER(S): Léonie Newhouse, University of Washington; Jesse McClelland, University of Washington
 CHAIR(S): Jesse McClelland, University of Washington
8:00 Suzanne Scheld*, Dept. of Anthropology, Cal State Uni, Northridge, *Spatializing Culture in Chinatown in Dakar, Senegal*.

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8:18 Lindsay Sawyer*, Singapore-ETH Centre, *Lagos: The City as a Product of Creative Tension between Differing Modernities.*

8:36 Martin J. Murray*, Taubman College of Architecture and Urban Planning, *Waterfall City (Johannesburg): Privatized Urbanism in Extremis.*

8:54 William Buckingham, PhC*, University of Washington, *Unexceptional Cities: Contestation and Control of Urban Space in China and Africa.*

Discussant(s): James T. Murphy, Clark University

5130. Political ecology across the rural-urban divide I: Conservation, development, and rural/urban identities (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Colleen Hiner, UC Davis; Innisfree Mckinnon, University of Oregon

CHAIR(S): Colleen Hiner, UC Davis

8:00 Lucero Radonic*, University of Arizona, *A Conspicuous Invisibility: Urban Indigeneity in the Face of Rapid Urban Development.*

8:20 Anne Short*, Boston University; Kira Sullivan-Wiley, Boston University; David B Kittredge, University of Massachusetts, Amherst, *Conservation, development, and land use along an urban-to-rural gradient.*

8:40 Andrew R. Williams*, Ursinus College; Megan Maccaroni, Ursinus College; Patrick Hurley, Dr., Ursinus College, *Which rural amenity? Producing Uneven Forest Conservation in Southeastern Pennsylvania.*

9:00 Eleanor McCallum*, The University of Arizona, *Trespass Cattle: Eyesore, Nuisance, Icon of the Southwest?.*

Discussant(s): Laura Taylor, York University

5134. Comparative Perspectives on Economic Geography

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): David Meyer, Washington University in St. Louis

8:00 Iva Pires*, Universidade Nova de Lisboa and Centro Estudos Geográficos, *Border Perceptions and Entrepreneurial Behavior in the EUROACE Region.*

8:20 Laurent Terral*, Université Paris-Est, *Do jobs move to people? Rethinking employment growth in small and medium-sized French cities.*

8:40 Edward J Oughton, MPhil, MCIEH*, University of Cambridge, *A Neo-Schumpeterian Perspective on the Evolution of Infrastructure Networks and the Economic Development of Cities.*

9:00 Jessica Moehl*, Oak Ridge National Laboratory; Robert Stewart, PhD, Oak Ridge National Laboratory, *Relating Indicators and Economic Growth.*

9:20 David Meyer*, Washington University in St. Louis, *Hong Kong's Resilient Integration with the Global Economy.*

5135. Japanese Cities in their Global Context I: Historical and Institutional Issues (Sponsored by Asian Geography Specialty Group, Global Urbanization, Urban Geography Specialty Group)

Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)

ORGANIZER(S): David Edgington, University of British Columbia; Carola Hein

CHAIR(S): David Edgington, University of British Columbia

8:00 FUKUO AKIMOTO, professor emeritus*, Kyushu University, *The Political Origin of Modern City Planning in Japan: in contrast to the U.S.A.*

8:20 Tristan R Grunow*, University of Oregon, *Transportation and Infrastructure in the Urban Planning of Meiji Tokyo.*

8:40 David Palmer, Senior Lecturer*, Flinders University, *Nagasaki's Districts: Understanding Western Contact*

with Japan through a City's Space.

9:00 Sujin Eom*, UC Berkeley, *Mapping the Postcolonial: Urban Space, Race, and Politics of Culture in Yokohama, Japan.*

9:20 Anuradha Mukherji*, East Carolina University, *Envisioning Recovery: Conflicts and Contestations in Planning for Post-Tsunami Tohoku.*

5136. Urbanization, Climate Change, and Public Health - A Remote Sensing Perspective (I) (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Qihao Weng, Indiana State University; Bing Xu

CHAIR(S): Bingqing Liang, University of Northern Iowa

8:00 Qihao Weng*, Indiana State University, *Gaps and Needs in Global Urban Remote Sensing.*

8:20 Ryan Engstrom*, George Washington University, *Exploring the Relationship between Population Density and Built Up Area Estimates Derived from Remotely Sensed Data at Multiple Spatial Scales.*

8:40 Magda Lombardo*, State of São Paulo University; Amanda fruehauf, UFSCAR; Dalton pavan, state of Sao paulo university, *Urban green areas in metropolitan region of Sao Paulo- Brazil.*

9:00 Bingqing Liang*, University of Northern Iowa; Andrey Petrov, University of Northern Iowa; Ranamathan Sugumaran, University of Iowa, *Mapping the spatial pattern of building heat using housing, demographic, and socioeconomic variables.*

5137. Geospatial visualization: concepts, tools, platforms and related topics (I) (Sponsored by Cyberinfrastructure Specialty Group)

Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Jing Li, University of Denver; Yunfeng Jiang, George Mason University

CHAIR(S): Yunfeng Jiang, George Mason University

8:00 Edward Pultar, PhD*, University of Southern California, *Teaching Mobile GIS with Android.*

8:20 Paddington Hodza*, University of Colorado, Colorado Springs, *Experiential GIS and (the return to) knowledge construction in geography.*

8:40 Yu-Chi Tsai*, Department of Geography, National Taiwan University; Jiinguey Lay, Department of Geography, National Taiwan University, *Relationship of Taiwan Senior High School Teacher's Characteristic and Web-mapping Usability.*

9:00 Daniel G Cole*, Smithsonian Institution; Catherine (Ke) Chen, East Tennessee State University, *Visualization and Spatial Analyses of Selected Archaeological Sites within the Landscapes of Western Mongolia.*

5138. Spatial Optimization and Analysis I (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Daoqin Tong, University of Arizona - Geography & Regional Development

CHAIR(S): Daoqin Tong, University of Arizona - Geography & Regional Development

8:00 Michael Kuby*, Arizona State University; Ismail Capar, Texas A&M University; V. Jorge Leon, Texas A&M University, *An Arc Cover-Path-Cover Formulation of the Flow-Refueling Location Model for Planning Alternative-Fuel Stations.*

8:20 Tony Grubestic*, Drexel University; Alan T Murray, Arizona State University; Loni Tabb, Drexel University, *Evaluating Spatial Precision of Approaches for Irregularly Shaped Spatial Cluster Detection.*

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8:40 Hyun Kim*, University of Tennessee, Knoxville; Megan Smirti Ryerson, University of Tennessee, Knoxville, *Evolution of hub hierarchies of passenger airlines of U.S.*

9:00 Kamyoun Kim*, Kyungpook National University; Hyun Kim, University of Tennessee at Knoxville; Yongwan Chun, University of Texas at Dallas, *Location Optimization for Detecting p Functional Spatial Clusters.*

9:20 Daoqin Tong*, University of Arizona - Geography & Regional Development; Ting Lei, *An expected maximal covering location problem with site-dependent failure probabilities.*

5139. Superdiversity and urban multicultural: practices and spaces of social mixing and polarisation (1)

Room: Laguna Parlor 3068, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Sarah Neal, Open University

CHAIR(S): Allan Cochrane, Open University

8:00 Sarah Neal*, Open University; Kieran Connell, Open University; Hannah Jones, Open University; Katy Bennett, University of Leicester; Allan Cochrane, Open University; Giles Mohan, Open University, *Social research practices, super-diverse communities and public space: exploring multicultural, belonging and urban parks.*

8:20 Richard Wright*, Dartmouth College; Mark Ellis, U Washington; Steven Holloway, U Georgia, *The constitution and stability of highly diverse residential neighborhoods in large US metropolitan areas.*

8:40 Alex Rhys-Taylor, PhD, MA, MA, BSc, PGCert*, goldsmiths, *The Senuous Materiality of Multiculture.*

9:00 Kieran Connell*, The Open University; Hannah Jones*, The Open University; Katy Bennett, University of Leicester; Allan Cochrane, The Open University; Giles Mohan, The Open University; Sarah Neal, The Open University, *Café (Multi)culture: everyday conviviality in the landscape of globalised fast food.*

9:20 Anna Cieslik*, Max Planck Institute, *Inclusion and Exclusion at Ethno-religious Festivals in Astoria, NY.*

5141. Edible spaces: Culinary geography in the built environment (Sponsored by Rural Geography Specialty Group)

Room: Malibu Parlor 3038, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Lenore L Newman, University of the Fraser Valley

CHAIR(S): Chris Ling, Royal Roads University

8:00 Lenore L Newman, Dr.*, University of the Fraser Valley, *The hungry flâneur: The role of walkable restaurant hubs in the suburban landscape.*

8:20 Katherine Burnett*, University of Victoria, *Culinary Adventure Tourism: Dining in Vancouver's Downtown Eastside.*

8:40 Alan Nash*, Concordia University, *Food, Place and the Changing Location of Restaurant Districts: A Case Study of Montreal's East Indian Restaurants.*

9:00 Priya Vadi*, Royal Holloway University of London, *Eating Diasporic Identities: Iranian Food Practices in London and Vancouver.*

9:20 Ellen Desjardins, RD, PhD*, University of Waterloo, *Choosing Food Places: Relational Dimensions of Individual Food-buying Patterns.*

5142. Climate, Vegetation, and Hydrology

Room: Malibu Parlor 3058, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Hui Liu

8:00 Michael Pease*, Central Washington University, *Water Marketing and the Establishment of Instream Flows.*

8:20 Douglas T Fischer, Ph.D.*, Arcadis US; Bharat Rastogi, UC Santa Barbara; Sarah Chaney, Channel Islands National

Park; A Park Williams, Ph.D., Los Alamos National Laboratory; Kathryn McEachern, Ph.D., USGS BRD; Christopher J Still, Ph.D., Oregon State University, *Multi-scale modeling of fog drip on California's Channel Islands.*

8:40 Darryl Carlyle-Moses*, Thompson Rivers University; Julie Schooling, Thompson Rivers University, *Factors Influencing Stemflow Production by Trees in an Urban Park.*

9:00 Hui Liu*, The Chinese University of Hong Kong, *Integrated Simulation of Environmental-Economic System at the Watershed Scale: A Case Study of Lake Dianchi.*

9:20 Bumseok Chun*, Georgia Institute of Technology; Jean-Michel Guldman, The Ohio State University, *Three-Dimensional City Determinants of the Urban Heat Island.*

5143. Debating the Creative Paradigm in Geography

Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kathrine Richardson, San Jose State University

8:00 Sebastien Darchen*, University of Queensland; Diane-Gabrielle Tremblay, Tele-UQ, *Creative economy policies for the video game industry: an Australia/Canada comparison.*

8:20 Kevin Stolarick*, University of Toronto, *Future Directions in Creative Economy Research.*

8:40 Kathrine Richardson*, San Jose State University, *The Loving and Loathing of Lawyers: Chapter 16 of NAFTA and North American Cross Border Creative Class Professional Labor Mobility.*

9:00 Mariangela Lavanga, Dr*, Erasmus University Rotterdam, *Is it all about getting attention? Fashion designers and the changing role of international fashion fairs.*

5144. Environment and Consumption

Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jong-Heon Jin, Kongju National University

8:00 Kellee Caton, Ph.D.*, Thompson Rivers University; David J. Hill, Ph.D., Thompson Rivers University, *Environmental Stereotypes: A Cultural Justification for Overconsumption?.*

8:20 Lui Sau Kwan*, The Chinese University of Hong Kong; Ng Sai Leung, The Chinese University of Hong Kong, *Affluent or depleting? Understanding the environmental behaviors of financial professions in Hong Kong..*

8:40 Adam Henne*, University of Wyoming, *Green Physique: Patagonia and the Discipline of the Environmentalist Body.*

9:00 Ruby Stocklin-Weinberg, MSc, MA*, *Digging beneath the conflicts in the Congo: Discerning the context of continual war and resilience in the Democratic Republic of Congo.*

9:20 Jong-Heon Jin*, Kongju National University, *Symbolic landscape of reclamation in Korea.*

5145. GIS and Hydrology

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Geoffrey Fouad

8:00 David P. Lusch, Ph.D.*, Michigan State University, *Using GIS Technology To Develop a Statewide, Digital, Hydrogeologic Database for Source Water Protection in Michigan.*

8:20 Madeline Steele*, Portland State University; Heejun Chang, Portland State University, *HRU Size and Model Performance in 25 Western US Watersheds.*

8:40 Yanli Zhang*, Stephen F. Austin State University; Matthew

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Andrew Wade, Stephen F Austin State University;
Matthew McBroom, Stephen F Austin State University;
Daniel Unger, Stephen F Austin State University, *The impact of flow direction algorithm on small watershed delineation.*

9:00 Aashka Patel, M.S.*, Dept of Geography, University of South Carolina; Daniel Tufford, Dept of Biology, University of South Carolina; Greg Carbone, PhD, Dept of Geography, University of South Carolina; Peng Gao, M.S., Dept of Geography, University of South Carolina; Lauren Felker, M.S., Dept of Geography, University of South Carolina, *Assessing Climate Change Impacts on Streamflow in NC and SC River Basins.*

9:20 Geoffrey Fouad*, San Diego State University; Allen S Hope, Ph.D., San Diego State University; André Skupin, Ph.D., San Diego State University, *Comparison Between Watershed Classifications Using the Entire Hydrograph Versus the Flow Duration Curve in Central and Southern California.*

5146. Food and the Market: Geography and Space

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Melissa J. Rura, UMNC

CHAIR(S): James Foster, University of Wisconsin - Madison

8:00 Nuri Yavan*, Ankara University, *Intra-Metropolitan Distribution of Supermarkets and Hypermarkets in Ankara, Turkey.*

8:20 Sally Turner*, University of Toronto, *Recent Innovations in Third Sector Responses to Food Insecurity.*

8:40 Francis Davenport*, University of CA Santa Barbara; Chris Funk, PhD, USGS, *Can Clustering Grain Price Data on Structural Characteristics Improve Forecasts for Food Insecure Markets?.*

9:00 Qingsheng Yang*, Department of Geography, University of Lethbridge; Wei Xu, Department of Geography, University of Lethbridge; Henning Bjornlund, Department of Economics, University of Geography, *Sustainable food production assessment system based on AHP.*

9:20 James Foster*, University of Wisconsin - Madison, *Governing Global Commodity Chains: Constructing Quinoa and Its Markets.*

5147. Human - Environment Interaction: Perceptions and Actions

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Patrick Lawrence, University of Toledo

8:00 Daniel Ferguson*, University of Arizona; Alison M. Meadow, University of Arizona; Michael Crimmins, University of Arizona, *Can Local Perceptions of Drought Impacts Better Inform Drought Planning, Mitigation, and Response than Instrumental Data?.*

8:20 Rebecca Brice*, University of Denver; Kara Lorion, University of Maine; Daniel Griffin, University of Arizona; Christopher Guiterman, University of Arizona; Alison Macalady, University of Arizona; Jim Speer, Indiana State University, *Chronologies of earlywood and latewood width from an old-growth Pinus ponderosa stand in the Jemez Mountains of northern New Mexico..*

8:40 Konrad Czapiewski*, Institute of Geography and Spatial Organization Polish Academy of Sciences, *Models of knowledge transfer to agriculture in Poland.*

9:00 Patrick Lawrence*, University of Toledo; Sarah Mierzwiak, University of Toledo; Kevin Czajkowski, University of Toledo; David Jim Nemeth, University of Toledo, *Mom what if all the water went away? Using A Counter Factual Story For A High School Learning Module On Climate Change - Draining The Great Lakes.*

5150. Agent-Based & Cellular Automata Models for Geographical Systems I: Methodological Advances (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Angeleno, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Andrew Crooks, George Mason University; Amit Patel

CHAIR(S): Amit Patel

8:00 Kirk Harland*, University of Leeds; Mark Birkin, University of Leeds, *Using Synthetically Generated Populations in Agent-Based Models.*

8:20 David O'Sullivan*, University of Auckland; George L W Perry, University of Auckland, *Towards a 'Pattern Language' for Spatial Simulation Modelling.*

8:40 James D.A. Millington, PhD*, King's College London; David O'Sullivan, PhD, University of Auckland; George L.W. Perry, PhD, University of Auckland, *Narrative explanation in agent-based modelling.*

9:00 Christopher Bone*, University of Oregon, *A Spatiotemporal Analytical Framework for Agent-based Modeling.*

9:20 Anthony Jjumba*, Spatial Analysis and Modeling Laboratory, Department of Geography, Simon Fraser University; Suzana Dragicevic, Spatial Analysis and Modeling Laboratory Department of Geography, Simon Fraser University, *Multi-dimensional Automata Model for the Simulation of Pollutant Diffusion.*

5151. Beyond Ecosystem Services: Deciphering the Social Impacts of Conservation Interventions (Part I). (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)

Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Louise Glew, World Wildlife Fund US

CHAIR(S): Michael Mascia, World Wildlife Fund

8:00 Louise Glew, Ph.D.*, World Wildlife Fund US; Daniel C. Miller, School of Natural Resources and Environment, University of Michigan, *Service, rights and infrastructure: causal mechanisms linking conservation interventions and human well-being..*

8:20 Merlin M Hanauer, Ph.D.*, Sonoma State University; Paul J Ferraro, Ph.D., Georgia State University, *Causal Mechanisms of Protected Areas on Poverty.*

8:40 Barbara Brower*, Portland State University, *Whoops! Good intentions, unintended consequences, and the evolution of conservation initiatives in Sagarmatha (Mt Everest) National Park, Nepal.*

9:00 Patrick Gallagher*, Stanford University, *Spaces of Responsibility in the Belize Barrier Reef.*

9:20 John Reid-Hresko, PhD*, Pacific University, *Geographies of Viral Vulnerability, HIV Transmission, and Wildlife Conservation in Northern Tanzania.*

5153. Sustainability and Capabilities Approaches

Room: Grand Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Mike Kohout, California State University, San Bernardino

CHAIR(S): Mike Kohout, California State University, San Bernardino

8:00 Thomas Favre-Bulle*, École Polytechnique Fédérale de Lausanne, *Spatial Democracy, a Capability Approach towards Commensurability..*

8:20 Henry Way*, James Madison University, *Sustainable Urbanism and Geography: Meeting Points and Future Directions.*

8:40 Mike Kohout*, California State University, San Bernardino, *Defining and Measuring Regional Sustainability.*

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- 5154. Comparing China and the U.S.: Geographic Perspectives in an Era of Globalization and Emerging Asia (Sponsored by China Specialty Group, Regional Development and Planning Specialty Group, Asian Geography Specialty Group, Symposium on New Geographies of Urban China)**
Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Xinyue Ye, Bowling Green State University; Tao Ye, Beijing Normal University
 CHAIR(S): Rudi Hartmann, University of Colorado
8:00 Jing'ai Wang*, Beijing Normal University; Peijun Shi, Beijing Normal University; Sheng Chang; Weixia Yin, *Comparative study of Population density spatial-temporal patterns and driving forces between China and America.*
8:20 Tao Ye*, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University; Muller Brian, College of Architecture and Planning, University of Colorado, Denver; Peijun Shi, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, *A comparative summary on urban growth/sprawl in China and the United States.*
8:40 Sheng Chang*, Jing'ai Wang; Panpan Qu, *Research on BRICS' differences and relations from multi-perspectives.*
9:00 Weixia Yin*, Beijing Normal University; Jian-song Zhang; Jing'ai Wang, Beijing Normal University; Yong-deng Lei, *Risk assessment and adaptation of crops to drought at the scale of administrative village: taking the Xinghe County in Northern China as an example.*
 Discussant(s): Clifton Pannell, University of Georgia; Susan M Walcott, University of North Carolina-Greensboro
- 5155. Opportunities for Rural Tourism (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Alison M Gill, Simon Fraser University
 CHAIR(S): Marcus Ednarsson
8:00 Richard Hunter*, State University of New York at Cortland, *Culinary tourism and cultural consumption: Taiwan's night markets.*
8:20 Maria Del Pilar Leal Londono*, University of Barcelona, *Mountain products an opportunity through Food Tourism.*
8:40 Ryo Iizuka*, Tokyo Metropolitan University, JSPS Research Fellow; Toshio Kikuchi, Tokyo Metropolitan University, *Examination of Multilayer Model of Food Tourism in Watou, West Flanders, Belgium.*
9:00 Katarina Pettersson*, Nordregio; Susanna Heldt Cassel*, *Rural Reconstructions? Women's Farm Tourism Entrepreneurship.*
9:20 Marcus Ednarsson*, Umeå University; Svante Karlsson, Umeå university; Linda Lundmark, Umeå University, *Tourism Employment as Livelihood strategy among Foreign-born people in Rural Sweden. A driver for post-production?.*
- 5156. Whose Winnipeg? Neoliberalism, Settler Colonialism, and the Production of Urban Space 1 (Sponsored by Canadian Studies Specialty Group, Socialist and Critical Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: Highland, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): David Hugill, York University; Owen Toews, CUNY Graduate Center
 CHAIR(S): David Hugill, York University
8:00 Owen Toews*, CUNY Graduate Center; David Hugill, York University, *Born Again Urbanism: New Missionary Incursions, Aboriginal Resistance and the Barriers to Rebuilding Relationships in Winnipeg's North End.*
8:20 Noni Brynjolson, MA, Art History, Concordia University*, *The Winnipeg Myth: Site-Specific Art and Urban*
- Renewal in the Cultural Capital of Canada.*
- 5157. Arctic Hydrology in a Changing Climate: Part I (Sponsored by Climate Specialty Group, Cryosphere Specialty Group, Water Resources Specialty Group, Climate Change, Variability, Adaptation and Justice)**
Room: Hollywood, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Asa Rennermalm, Rutgers, The State University of New Jersey; Vena Chu, University of California, Los Angeles (UCLA)
 CHAIR(S): Asa Rennermalm, Rutgers, The State University of New Jersey
8:00 Hengchun Ye*, California State University - Los Angeles, *Changes in precipitation characteristics association with a warming climate over Northern Eurasia.*
8:20 Yongwei Sheng*, University of California, Los Angeles (UCLA); Laurence C Smith, University of California, Los Angeles (UCLA) Geography; Jida Wang, University of California, Los Angeles (UCLA) Geography; Evan A Lyons, University of California, Los Angeles (UCLA) Geography, *A Systematic Pan-Arctic Lake Inventory from Circa 2000 Landsat ETM+ Imagery: North America.*
8:40 Thomas Mote*, University of Georgia; Son Nghiem, NASA JPL; Dorothy K Hall, NASA GSFC; Marco Tedesco, City College of New York; Mary R Albert, Dartmouth University; Christopher A Shuman, University of Maryland Baltimore County, *The Extreme Melt across the Greenland Ice Sheet in 2012.*
9:00 Julie Z. Miller*, Department of Geography, University of Utah; Richard R. Forster, Department of Geography, University of Utah; David G. Long, Microwave Earth Remote Sensing Lab, Brigham Young University; Jason E. Box, Byrd Polar Research Center, The Ohio State University, *Relationships between radar backscatter and snow accumulation rates in the SE percolation facies of the Greenland ice sheet.*
9:20 Christine Chen*, Department of Geography and Byrd Polar Research Center, The Ohio State University; Jason E. Box, Department of Geography and Byrd Polar Research Center, The Ohio State University, *Comparison of snowline retrievals over the Greenland ice sheet and the peripheral Sukkertoppen ice cap using MODIS imagery.*
- 5158. The Phenomenon of Ethnic Tourism in Europe (Sponsored by Recreation, Tourism, and Sport Specialty Group, European Specialty Group, Ethnic Geography Specialty Group)**
Room: Melrose, The LA Hotel, Level 2 (Paper Session)
 ORGANIZER(S): Miha Koderman, Slovenia
 CHAIR(S): Miha Koderman, Slovenia
8:00 Miha Koderman, PhD*, University of Primorska, Faculty of Humanities, Slovenia, *Ethnic tourism - Cinderella of European tourism industry?.*
8:20 Tamara Ratz*, Kodolanyi Janos University of Applied Sciences; Gabor Michalko, Geographical Institute, Research Centre for Astronomy and Earth Sciences, Hungarian Academy of Sciences, *"Invisible tourism" in Hungary - The investigation of unconventional tourism mobility.*
8:40 Zeynep Turan Hoffman*, CUNY MEMEAC, *Diaspora Tours and Place Attachment: Armenian Pilgrimages to Eastern Turkey.*
9:00 Anton Gosar*, University of Primorska, *Roots Tourism of Post-WW2 Displaced Minorities.*

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9:20 Julia Meszaros, ABD*, Florida International University,
*Spaces of Racialized Desires: Romance Tourism in the
Ukraine, Colombia and the Philippines.*

**5159. Unpacking 'ethical' markets I: Labelling and certification
(Sponsored by Cultural and Political Ecology Specialty
Group, Economic Geography Specialty Group)**

Room: Olvera, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Trina Hamilton, SUNY - Buffalo; Jennifer
Silver, The University of Guelph

CHAIR(S): Roberta Hawkins, University of Guelph

8:00 Jim Ormond, BA, MA*, King's College London, *The
governance, knowledge and power of Product Carbon
Footprinting "Unpicking the networks".*

8:20 Bradley Wilson*, West Virginia University, *Certifiable?
Proof, Paradox and Parallax in Ethical Commodity
Research.*

8:40 Lisa L Greenwood*, SUNY College of Environmental
Science and Forestry, *Governance in Global Value
Chains: The Role of Environmental and Social
Responsibility Governance Mechanisms in Assessing
Performance and Ethical Practices in the Corporate
Sphere of Influence.*

9:00 Patrick Heidkamp*, Southern Connecticut State University,
*Ethical Markets for Cause or Market Niches for Profit:
Eco-labels in the wine industry..*

Discussant(s): Jennifer Silver, The University of Guelph

**5160. Capturing Population Dynamics (Sponsored by Geographic
Information Science and Systems Specialty Group, Population
Specialty Group, Spatial Analysis and Modeling Specialty
Group)**

Room: Olympic, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Amy Rose, Oak Ridge National Laboratory;
Robert Stewart, Oak Ridge National Laboratory

CHAIR(S): David Martin, University of Southampton

8:00 Eddie Bright*, Oak Ridge National Laboratory; Jeanette
Weaver, Oak Ridge National Laboratory; Jessica
Moehl, Oak Ridge National Laboratory, *Employing
Automated Image Segmentation Tools to Discern and
Characterize Rapid Population Movements..*

8:20 David Martin, PhD*, University of Southampton,
*Locational Time-Profiling: Essential Information For
Space-Time Population Modelling.*

8:40 April Morton*, Oak Ridge National Laboratory; Robert N
Stewart, Ph.D., Oak Ridge National Laboratory; Marie
Urban, Oak Ridge National Laboratory; Eddie Bright,
Oak Ridge National Laboratory, *A Spatiotemporal
Process Model for Capturing Museum Visitation
Dynamics.*

9:00 Mark Birkin*, University of Leeds; Nick Malleon,
University of Leeds, *Exploring Population Dynamics
with Crowd-Sourced Data.*

9:20 Kristian Hegner Reinau, Ph.D.*, Department of
Development and Planning, Aalborg University;
Henrik Harder, Ph.D., Department of Architecture,
Design and Media Technology, Aalborg University;
Noam Shoval, Ph.D., Department of Geography,
Hebrew University of Jerusalem, *"A Week in The
Life" - The Geography of Household Mobility in
Copenhagen Revealed using GPS Technology and
Pattern Analysis.*

**5161. Geographies of Media IX: Filmic Cultures (Sponsored by
Cultural Geography Specialty Group, Communication
Geography Specialty Group)**

Room: Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Joseph Palis, North Carolina State University;
John Finn, Christopher Newport University

CHAIR(S): Joseph Palis, North Carolina State University

8:00 Ryan Z. Good*, University of Florida, *The Other Side of*

*Darwin's Nightmare: Local Perceptions and Responses
to Lake Victoria's Evolving Fisheries.*

8:20 Anna Jackman*, University of Exeter, *Popular geopolitics,
affect and visibility: "Fingery eyes" and the (3D)
superhero cinematic encounter.*

8:40 James Craine*, California State University Northridge;
Giorgio Hadi Curti, San Diego State University, *Bullitt,
Bergson, and a '68 Mustang: Deconstructing the Car
Chase.*

9:00 Chryl N.E. Corbin*, UC Berkeley, *Deconstructing Willy
Wonka's Chocolate Factory: Race, Labor, Migration,
and the Changing Depictions of the Oompa-Loompas.*

**5162. Vegetation Dynamics I (Sponsored by Biogeography Specialty
Group)**

Room: Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Adam Naito, Texas A&M University

CHAIR(S): Adam Naito, Texas A&M University

8:00 Amanda B. Young*, Penn State University; Koichi
Takahashi, PhD., Shinshu University, *Plasticity of
tree architecture between a deciduous (Betula ermanii
Cham.) timberline forest and coniferous (Abies
mariesii Mast.) subalpine dominated forest, Mt.
Norikura, Northern Japanese Alps..*

8:20 Grant Elliott*, University of Missouri; Christopher J
Crawford, Department of Geography, University
of Minnesota, *Wind-Snow Interactions Compared
to Temperature: Assessing Treeline Advance in the
Medicine Bow Mountains, Wyoming..*

8:40 William P Cumming*, The University of Colorado Boulder;
Susan W. Beatty, PhD, Portland State University, *Use it
or lose it: vegetation response to microsite variability
over time and space.*

9:00 Michael W. Binford*, University of Florida; Caroline
G. Staub, Department of Geography, University of
Florida, *Forest Management and Vegetation Dynamics
in the Southeastern U.S. Coastal Plain and Piedmont.*

5163. Why It's Kicking Off Everywhere (CITY Perspectives 2)

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Bob Catterall, CITY; Anna Richter, Leibniz
Institute

CHAIR(S): Bob Catterall, CITY

Panelists: Kurt Iveson; Mark Davidson, Clark University; Andrea
Gibbons, LSE; Antonios Vradis

5170. Water and Communities in the Americas

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): John Kelly, University of Kansas

CHAIR(S): John Kelly, University of Kansas

8:00 John Kelly*, University of Kansas, *Village-Level Control
of Water Sources in Indigenous Mexico after the
Neoliberalizing of Social Property.*

8:20 Tatiana Acevedo, Ph.D. Student*, Université de Montréal,
*Water privatization? : A historical analysis of
Colombian water legislation.*

8:40 Brian C Chaffin*, Oregon State University, *Adaptive
Governance and Landscape-Scale Water Resources
Settlements: An Assessment of the Klamath Basin
Restoration Agreements.*

9:00 Heidi Mehl*, Kansas State University, *Fractionalized
resources: Water resource management on the Prairie
Band Potawatomi Nation reservation.*

**5171. Cities, Transportation and Sustainability I: Environments and
Flows (Sponsored by Global Urbanization, Urban Geography
Specialty Group, Transportation Geography Specialty Group)**

Room: Bernard's, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Andrew Jonas, University of Hull; Andrew
Goetz, University of Denver

CHAIR(S): Stephen Hall, University of Hull

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Introducer: Andrew Jonas

8:05 Yonn A Dierwechter, Associate Professor*, University of Washington - Tacoma, *Growing transit communities in the Seattle city-region: metropolitan infrastructure, nodal urbanism, and the space-economy of work.*

8:25 Mark Barnes*, Rutgers, The State University of New Jersey, *Climate change adaptation geographies of a Philadelphia region-serving mass transit agency: a case study of institutional decision-making for urban sustainability.*

8:45 Anna McCreery*, The Ohio State University, *Urban Transportation Ecoefficiency: Social and Political Drivers in U.S. Metropolitan Areas.*

9:05 Andrew E.G. Jonas, Professor*, University of Hull; Andrew R Goetz, Professor, University of Denver, *Regional transportation infrastructure and the search for a "sustainability fix" in Denver.*

Discussant(s): Markus Hesse, University of Luxembourg

5172. Money, Property, and Management

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Daniel Rogers, CUNY Graduate Center

8:00 Marshall Feldman, PhD*, University of Rhode Island, *The Urban Process, The Monetary Circuit, and Land.*

8:20 Balázs Forman*, Corvinus University of Budapest, *Confidence as principle of the value of the money Why depend the value of money on cultural background.*

8:40 Wen Xiong*, *New Geopolinomic Frame and Economic crisis.*

9:00 Anne Haila*, University of Helsinki, *Rent theory and property rights theory: two approaches to the global enclosure movement.*

9:20 Daniel Rogers*, CUNY Graduate Center, *From Entrepreneurialism to Managerialism? Urban Authorities and the Managerialist Underside of Neoliberalism.*

5173. Author Meets Critics: "Cosmopolitan Europe: A Strasbourg Self-Portrait" by John Western

Room: Corinthian, Biltmore, Mezzanine Level (Panel Session)

ORGANIZER(S): Myriam Houssay-Holzschuch, University Joseph Fourier

CHAIR(S): Myriam Houssay-Holzschuch, University Joseph Fourier

Introducer: Myriam Houssay-Holzschuch

Discussant(s): John Western, Syracuse University

Panelists: David Ley, University of British Columbia; Katharyne Mitchell, University of Washington; Alexander Murphy, University of Oregon; Kevin Cox, Ohio State University; Marie-Hélène Bacqué, mosaïques umr cnrs lavue 7218

5174. Cartography

Room: Corsican, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Anya Bogdanow

8:00 Jasem Alqahtani*, Abu Dhabi Education Council, *Do all maps always need all the map elements?.*

8:20 Victor Bogdanov*, V.B. Sochava Institute of Geography SB RAS; Gerelma Dugarova, V.B. Sochava Institute of Geography SB RAS, *Mapping of the Spatial Development of the Baikal region.*

8:40 Margherita Azzari*, Università degli Studi di Firenze; Irene Calloud, University of Florence, Italy; Paola Zamperlin, University of Florence, Italy, *ARCES Project - Digital Archive of Italian Scientific Expeditions and Colonial Cartography.*

9:00 Jessica Lingel*, Rutgers University, *Everyday Cartography: The Pleasures and Anxieties of Map Making.*

9:20 Anya Katharina Bogdanow*, U.S. Geological Survey; Will

Stettner, U.S. Geological Survey, *Using Cartographic Techniques to Geographically locate Mineral Resources in Afghanistan from Archival, Soviet Maps.*

5175. Urban Land Use Politics

Room: Florentine, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Shaun Weadick

8:00 Nathalie Boucher*, Centre of Excellence in Natural Resource Management, University of Western Australia, *The (a)Social Life of Pershing Square: New Indicators in the Evaluation of the Vitality Public Spaces.*

8:20 Shaun Weadick*, *Exploring Counter-Narratives to Private Property's Spatial Injustices: Tenant Gardening in Parc Extension.*

5176. Cross-Culture Urbanization

Room: Grecian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yaser Najjar, Framingham State University

8:00 Yue Wang*, Suzhou University of Science and Technology; Dan Cheng, CLARK University, *The Pattern Analysis of Suzhou Urban Built-up areas.*

8:20 Tumter Lollen*, Dera Natung Government College, Itanagar, Arunachal Pradesh, *At the Borders of Urbanization: A Case Study of Arunachal Pradesh, India.*

8:40 Rhoda Mundi, Ph.D*, University of Abuja; Panse S DakyeS, Ph.D., Department of Geography and Environmental Management, University of Abuja, *An Appraisal of Nigeria's Population Policy.*

9:00 Yaser Najjar*, Framingham State University, *Urban History and Structure of The Holy City of Mecca: Spatial and Qur'anic Evidence.*

5178. Geopolitical Theory

Room: Mediterranean, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Clayton Rosati, Bowling Green State University

8:00 Rajesh Sampath, PhD*, Brandeis University, *Is the Formation of Western Democratic Governments an Unrepeatable Historical Singularity? A Critical Reading of Locke's Second Treatise of Government in Light of Contemporary Developing Countries.*

8:20 Clayton Rosati*, Bowling Green State University, *Media and Radical Geography.*

8:40 Chinwe Ifejika Speranza*, Centre for Development and Environment (CDE), University of Bern, Switzerland; Urs Wiesmann, Centre for Development and Environment (CDE), University of Bern, Switzerland; Stephan Rist, Centre for Development and Environment (CDE), University of Bern, Switzerland, *A Conceptual Framework for Assessing Resilience from an Actor-Oriented and Livelihoods Perspective.*

5179. Land Use and Land Cover Change

Room: Moroccan, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Danielle Marceau, University of Calgary

8:00 Roy Petrakis*, University of Arizona; Miguel Villarreal, U.S. Geological Survey; Charles van Riper III, U.S. Geological Survey, *Enhancing niche models for a riparian-dependent bird using multi-source vegetation data.*

8:20 Marcellus Caldas, Dr.*, Kansas State University-Geography; Jason Bergtold, Dr., Kansas State University; Chris Brown, Dr., University of Kansas; Steve Sherwood, Mr., Kansas State University; Jeff Peterson, Dr., Kansas State University; Russel Graves, Dr., Kansas State University, *Farmer's Attitudes to*

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Grow Biomass Energy Crops in Kansas.

- 8:40** Michael K Potts, MS*, Casey Trees, Washington DC,
*Friends with Benefits: Assessing Tree Canopy
Coverage Trends in Washington DC since the '50s.*

- 9:00** Ermias Teferi Demessie*, 1. UNESCO-IHE Institute for
Water Education, Delft, The Netherlands 2. Addis
Ababa University, Ethiopia; Woldeamlak Bewket,
Addis Ababa University, Ethiopia; Stefan Uhlenbrook,
UNESCO-IHE Institute for Water Education, Delft,
The Netherlands; Jochen Wenninger, UNESCO-IHE
Institute for Water Education, Delft, The Netherlands,
*Land use/cover dynamics and landscape pattern
analysis (1957-2009) in the source region of the Upper
Blue Nile, Ethiopia..*

- 9:20** Danielle J. Marceau, Dr.*, University of Calgary; Fang
Wang, Ph.D., University of Calgary, Department of
Geomatics Engineering; Jean-Gabriel Hasbani, M.Sc.,
Fujitsu Canada, *Sensitivity of a cellular automata to
historical datasets used for its calibration.*

5180. Urbanization, Land and Regional Development (Sponsored by China Specialty Group, Symposium on New Geographies of Urban China)

Room: Roman, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Canfei He, Peking University; Yehua D Wei,
University of Utah

CHAIR(S): Chi Leung, California State University, Fresno

- 8:00** Yuemin Ning*, East China Normal University; Wei Xu,
East China Normal University; Mingfeng Wang, East
China Normal University, *Population and Housing
Suburbanization in Shanghai.*

- 8:20** Wenzhe Yue*, Zhejiang University; Peilei Fan, Michigan
State University; Yong Liu, Southwest University,
*Impact of polycentric urban planning on dynamic of
land price - a case study of Hangzhou, China.*

- 8:40** Wei Lang*, The Hong Kong Polytechnic University;
Stephen W.K. MaK, The Hong Kong Polytechnic
University; Edwin H.W Chan, The Hong Kong
Polytechnic University, *Smart Growth towards
Sustainable Urban Development in Chinese Cities:
Beijing's Vision.*

- 9:00** Hao Huang*, University of Utah, *How to create a
sustainable built environment: An application of
hedonic housing price models in Wuhan, China.*

- 9:20** Chi Leung*, California State University, Fresno; Shao F.
Jia, Chinese Academy of Sciences, *Poverty Reduction
and Environment Protection: An Assessment of the
Xiangride-Balong Resettlement Project.*

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5201. Topologies and (counter)topographies: Theorizing relationality (Sponsored by Political Geography Specialty Group)

Room: Beaudry A, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Joshua J. Kurz, Ohio State University; Lauren Martin, University of Oulu
 CHAIR(S): Lauren Martin, University of Oulu
 Panelists: Anna Secor, University of Kentucky; Gabriel Popescu, Indiana University South Bend; Virginia Blum, University of Kentucky; Claudio Minca, Wageningen University; Alison Mountz, Wilfrid Laurier University

5202. The multiple geographies of policy mobility I: Informational infrastructures and expertise (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Beaudry B, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Cristina Temenos, Simon Fraser University; Tom Baker, University of Newcastle, Australia
 CHAIR(S): Ian Cook
 10:00 Kristine Kern*, University of Potsdam; Ross Beveridge, Leibniz Institute for Regional Development, *From Policy Diffusion to Policy Mobility? Relational urbanism in energy transitions, smart city and LA21 policy-making.*
 10:20 Cristina Temenos*, Simon Fraser University, *Ephemeral mobility: conference spaces, policy activism, and effects of informational infrastructures.*
 10:40 Tom Baker*, University of Newcastle, Australia, *Grounding the policy exemplar: territorial politics, global models and urban homelessness in Australia.*
 11:00 Merje Kuus*, University of British Columbia, *Embodying Expertise: Transnational Geographies of Diplomatic Knowledge.*
 11:20 Russell Prince*, Massey University, *Policy mobility and the Economies of Expertise: Cultural Consultants and the 'Creative Economy'.*

5203. Territory, Politics, and Economies in East Asia II (Sponsored by Asian Geography Specialty Group, Borders)

Room: La Brea, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Bae-Gyoon Park, Seoul National University; Jinn-yuh Hsu
 CHAIR(S): Jinn-yuh Hsu
 10:00 Dylan Brady*, University of Oregon, *Forging the Nation Through Rails: Transportation Infrastructure and the Emergence of Chinese Nationalism.*
 10:20 Je-Hun Ryu*, Korea National University of Education, *The (re)territorialization process of the Chinese Neighborhood in Incheon, Korea: 1884-2006.*
 10:40 Kian Goh*, Massachusetts Institute of Technology, *Global Garden City: Trans-Territorial Ecologies in Singapore.*
 11:00 Dong-Wan Gimm*, Seoul National University, *Rescaling of knowledge production: research institutes for provincial governments as dispositif.*
 Discussant(s): Bae-Gyoon Park, Seoul National University

5204. Class Struggle and Legal Scale (Sponsored by Socialist and Critical Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)

Room: La Cienega, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Reecia Orzeck, Illinois State University
 CHAIR(S): Reecia Orzeck, Illinois State University
 Panelists: Jamey Essex, University of Windsor; Raju Das, York University; Tino Petzold; Reecia Orzeck, Illinois State University; Matthew Himley, Illinois State University; Nathan Clough, University of Minnesota, Duluth; Bradley Wilson, West Virginia University; Jamie Gough, Sheffield University

5206. Spatiotemporal Thinking, Computing and Applications 12: Cyberinfrastructure Applications (Sponsored by Cyberinfrastructure Specialty Group, Climate Specialty Group, Geography Education Specialty Group)

Room: Los Feliz, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Chaowei Yang, George Mason University; Qunying Huang, George Mason University
 CHAIR(S): Kirk Goldsberry, Harvard University
 10:00 Heather Almquist, The University of Montana; Sarah J Halvorson*, The University of Montana, *Place and Project-based Research Adventures in Montana's Middle School Classrooms: Learning with Google Earth and Wikis.*
 10:20 Paul Roehsner*, Western Michigan University; Kathleen Baker, Western Michigan University, *Data Storage Alternatives for a Gridded Crop Disease Risk Forecasting System.*
 10:40 Wenpeng Feng*, UNCC; Wenwu Tang, UNC Charlotte; Ross Meentemeyer, UNC Charlotte, *Agent-based simulation of land competition between developers and conservationists: a cyberinfrastructure-enabled approach.*
 Discussant(s): Ming-Hsiang Tsou, San Diego State University

5207. Devolution, Revolution, or Modest Reform? Locating Farm-to-Institution Projects and Programs within Geographic Research (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Palos Verdes, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Gina K. Thornburg, Kansas State University
 CHAIR(S): Gina K. Thornburg, Kansas State University
 10:00 Heather Hyden, BA*, Community Farm Alliance; Alexa Arnold, BA, Community Farm Alliance, *Navigating Alternative Food Networks: A Grassroots Activist Perspective.*
 10:20 Rachel Boothby*, University of Wisconsin, Madison, *The Farmer and the Chef: Shifting Ground of Farm-to-Table Relationships in Southwestern Wisconsin.*
 10:40 Gina K. Thornburg*, Kansas State University, *Uneven Geography, Embeddedness, and Economic Instrumentalism in Oklahoma's Farm-to-School Program.*
 11:00 Anupama Joshi, National Farm to School Network; Hope Wilson*, National Farm to School Network, *Collaborative Approach to Advancing the Farm to School Movement in the United States.*
 Discussant(s): Gigi Berardi, Huxley College, Western Washington University

5208. Tourism and Geography: The Geospatial Impacts Around Tourist Destinations

Room: San Bernardino, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Kelly Sims, Oak Ridge National Laboratory
 CHAIR(S): Kelly Sims, Oak Ridge National Laboratory
 10:00 Kelly Sims*, Oak Ridge National Laboratory, *ORNL's Special Event GIS Database: Automating High-Resolution Population Estimation.*
 10:20 Tom Torres*, University of North Georgia, *Local Narratives and Community Mapping: Addressing Criticisms of Participatory GIS.*
 10:40 Friedrich M. Zimmermann*, University of Graz; Erwin Hammer, University of Graz, *Location Planning in the Hotel Industry: An Analysis of the Market Potential of Austrian Destinations.*
 11:00 Gwendal Simon*, Université Paris Est; Laurie Lèpan*, Université Angers UFR ITBS, *Tourism's spatial structure in Paris. In between extreme centralism and early signs of its development at the metropolitan scale.*
 11:20 Zhong Zhangqi*, Key Laboratory of Geographic Information Science, East China Normal University, Ministry of Education, Shanghai, China; Li Shan,

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Key Laboratory of Geographic Information Science, East China Normal University, Ministry of Education, Shanghai, China; Wang Zheng, Key Laboratory of Geographic Information Science, East China Normal University, Ministry of Education, Shanghai, China; Institute of Policy and Management, Chinese Academy of Sciences, Beijing, China; Liu Huating, Key Laboratory of Geographic Information Science, East China Normal University, Ministry of Education, Shanghai, China; *The three times geographical effect on spatial differentiation of Chinese tourism industry: An ABS Analysis.*

5209. Map Design and Neocartography II (Sponsored by Cartography Specialty Group)

Room: *San Fernando, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Kenneth Field, Esri

CHAIR(S): Kenneth Field, Esri

10:00 John Kostelnick*, Illinois State University, *Design and Use of Hazard and Crisis Map Symbolology by International Humanitarian Organizations.*

10:20 Shunfu Hu*, Southern Illinois University Edwardsville, *Online Map Application Development Using Google Maps API, SQL Database and ASP.NET.*

10:40 Ahmad S. Massasati*, University of Pittsburgh at Johnstown, *Mosaicking and Georeferencing Old Aerial Photography and Maps: Art vs. Science.*

11:00 Jong I. Lee*, Seoul National University; Dou Seong Choi*, Seoul National University; Monghyun Lee, University of Texas at Dallas, *Investigating the Effectiveness of Animated Map in Geography Class.*

11:20 Gordon Green*, Hunter College - City University of New York; Sean C Ahearn, PhD, Hunter College - City University of New York, *Mapping New York City's Rooftop Cooling Potential Using Lidar.*

5210. Contest/ed Scenes and Spaces: Exposing Cultural Infrastructures I (Sponsored by Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group)

Room: *San Gabriel A, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Chris Gibson, University of Wollongong;

Lizzie Richardson, Durham University

CHAIR(S): Chris Gibson, University of Wollongong

10:00 Chris Gibson*, University of Wollongong; Lizzie Richardson, Durham University, *Contest/ed Scenes and Spaces: Exposing Cultural Infrastructures.*

10:20 Alison Bain*, York University, *A storefront performance: negotiating precarity in a suburban independent music scene.*

10:40 Sarah J Taylor*, RMIT University, *"Geographical Information Systems for cultural urban research: the case of the live music industry in Melbourne and Sydney".*

11:00 Kate Shaw*, University of Melbourne, *And now for the riff raff....*

11:20 Jessica R Barnes*, The Ohio State University, *Crafting resistance: Values and spaces of indie crafters from Columbus, Ohio.*

5211. Labour Flows: Exploring the Intersections of Global Production Networks and Migration (Sponsored by Economic Geography Specialty Group)

Room: *San Gabriel B, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Martin Hess, University of Manchester; Neil M. Coe, University of Manchester

CHAIR(S): Martin Hess, University of Manchester

10:00 Michael Husebo*, University of Georgia, *Migration as labor agency: Spatial production of capitalist geographies of agriculture.*

10:20 Annelies Goger*, UNC Chapel Hill, *From disposable to*

entrepreneurial: Re-articulating labor in lean apparel factories in Sri Lanka.

10:40 Heidi Østbø Haugen*, University of Oslo, *Changing markets from below: The role of migration in south-south value chains.*

11:00 Stephanie Barrientos*, University of Manchester, *Rural Migrant Labour in Global Production Networks: New forms of wage work in Ghanaian pineapples.*

Discussant(s): Neil M. Coe, University of Manchester

5212. Black Marxism 30 Years On: Theorizing Racial Capitalism (1st of 2 sessions)

Room: *San Gabriel C, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Neil Agarwal, CUNY Graduate Center; Annie Spencer, City University of New York (CUNY) Graduate Center

CHAIR(S): Arun Saldanha, University of Minnesota - Minneapolis

10:00 Annie Spencer*, City University of New York (CUNY) Graduate Center, *Unemployed and Undocumented Workers in the Racial Capitalist State.*

10:15 Catriona Gold*, Department of Geography, University of British Columbia, *Geldof in Africa: the co-articulation of Africanism and neoliberalism in Live Aid and Live 8.*

10:30 Neil Agarwal*, CUNY Graduate Center, *Rethinking Money.*

Discussant(s): Jason Rhodes, University of Georgia

5213. Gramsci: Space, Nature, Politics - a roundtable discussion

Room: *San Pedro, Westin, Lobby Level* (Panel Session)

ORGANIZER(S): Alex Loftus, King's College London

CHAIR(S): Jim Glassman, University of British Columbia

Introducer: Michael Ekers

Discussant(s): Alex Loftus, King's College London

Panelists: Stefan Kipfer, York University; Judith Whitehead, University of Lethbridge

5214. Technology, Memory, and Collective Knowing (Sponsored by Geographic Information Science and Systems Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: *Santa Anita A, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Sarah Elwood, University of Washington;

Katharyne Mitchell, University of Washington

CHAIR(S): Sarah Elwood, University of Washington

10:00 Matthew W. Wilson*, University of Kentucky, *Community-based organizations, collective memory, and practices of externalization.*

10:20 Jason C Young*, University of Washington, *The New Politics of Memory: Collective Knowing in the Geoweb.*

10:40 Donald Colley*, San Diego State University; Stuart C. Aitken*, San Diego State University, *The "Right to the Internet" is a Right to the City: Public Spheres, Virtual Commons and Youth Social Movements Online and in the Streets.*

11:00 James Ash*, Northumbria University, *Technology as being-with world: Collective memory and the iPhone 4S.*

5215. Governmentality of built environment: creativity, culture and design 2

Room: *Santa Anita B, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Maros Krivy

CHAIR(S): Maros Krivy

10:00 Tim Devos*, KULeuven, *Taking on a new role? Participatory design for socially valuable urban space.*

10:20 Tim Moonen*, University of Bristol, *The politics of the foam city: (onto)topologies in urban space.*

10:40 Colin Lorne*, University of Birmingham, *Geographies of Architecture: Flexibility and Change in a 'Co-working'*

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11:00 Adam Kaasa*, London School of Economics and Political Science, *The Architecture of Legitimacy: Transatlantic Circulation and the Making of Modern Mexico City, 1947 - 1964.*

11:20 Richard Van Deusen*, *Identifying Symbolic Capital in Urban Landscapes.*

- 5216. The Spatialities of Europeanization: Theoretical and Methodological Challenges (Sponsored by Political Geography Specialty Group, European Specialty Group)**
Room: Santa Anita C, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Richelle Bernazzoli, University of Illinois, Urbana-Champaign; Sami Moisio, University of Oulu
 CHAIR(S): Richelle Bernazzoli, University of Illinois, Urbana-Champaign
10:00 Luiza Bialasiewicz*, University of Amsterdam, *Re-mapping Tangier: Making Spaces at Europe's Borders.*
10:17 Richelle Bernazzoli*, University of Illinois, Urbana-Champaign, *Exploring Europeanization as Grounded Governance: Information, Subject Formation, Integration.*
10:34 Alexander B Murphy*, University of Oregon, *Europe as a Novel Political Space? Lessons from the History of the Euro.*
10:51 Juho Luukkonen, University of Oulu; Sami Moisio*, University of Oulu, *Ethnographies of European Space Making.*
11:08 Juho Luukkonen, PhD*, University of Oulu; Sami Moisio*, University of Oulu, *Ethnographies of European Space Making.*
11:08 Julian Clark*, School of Geography; Alun Jones*, University College Dublin, *Political Geographies of Europeanization: power, governance and territory.*
 Discussant(s): Virginie Mamadouh, University of Amsterdam

- 5217. Community Geography Teaching and Research: A Discussion among Professors and Students about the Opportunities and Tensions of Community Engaged Scholarship 2 (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Santa Barbara A, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Jonnell Robinson, Syracuse University; Daniel Block, Chicago State University
 CHAIR(S): Amanda Rees, Columbus State University
 Panelists: Henry Way, James Madison University; Alina Congreve, University of Hertfordshire; Justine Lindemann, Cornell University; Brian Chaffin, Oregon State University

- 5218. Improving Local and Regional Hazard Mitigation Planning (Sponsored by Geographic Information Science and Systems Specialty Group, Coastal and Marine Specialty Group, Hazards, Risks, and Disasters Specialty Group)**
Room: Santa Barbara B, Westin, Lobby Level (Paper Session)
 ORGANIZER(S): Tim Frazier, University of Idaho; Courtney Thompson, University of Idaho
 CHAIR(S): Tim Frazier, University of Idaho
10:00 Courtney Thompson*, University of Idaho; Tim G Frazier, PhD, University of Idaho, *Development of a community resilience index: A case study of Sarasota County, Florida.*
10:20 Joy Campbell*, University of Idaho; Tim G Frazier, PhD, University of Idaho, *Analyzing a coastal community's resilience to future flooding: A case study of Seattle, Washington.*
10:40 Tim G Frazier, PhD*, University of Idaho; Courtney Thompson, M. S., University of Idaho, *Modifications to Jurisdictional Risk Assessments for Enhanced Public Health Planning.*

11:00 APARNA KUMARI, M.S.*, University of Idaho; Tim G Frazier, PhD, University of Idaho, *Incorporating Social Capital into Hazard Mitigation Plans: A Case Study of Hampton Roads, Virginia.*

11:20 Bryan J Boruff, Dr*, University of Western Australia; Helen Smith, University of Western Australia, *Long-term disaster recovery and the geography of involvement: perspectives from regional Western Australia.*

- 5219. Spatializing Shattered Subjects: Geographies of Trauma (II) (Sponsored by Geographic Perspectives on Women Specialty Group)**
Room: Santa Barbara C, Westin, Lobby Level (Panel Session)
 ORGANIZER(S): Kate Coddington, Syracuse University; Jacquelyn Micieli-Voutsinas, Syracuse University
 CHAIR(S): Kate Coddington, Syracuse University
 Panelists: Jacquelyn Micieli-Voutsinas, Syracuse University; Audra El Vilaly, The University of Arizona; David Wilson, University of Illinois; David Bissell, The Australian National University

- 5220. Maintaining and Updating Geographic Information at the Census Bureau: The View Through the Decade**
Room: Sacramento, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Kaile Bower, U.S. Census Bureau
 CHAIR(S): Kaile Bower, U.S. Census Bureau
10:00 Timothy F. Trainor*, U.S. Census Bureau, *Research Agenda for the U.S. Census Bureau's Geographic Support System Initiative.*
10:20 Shonin Anacker*, U.S. Bureau Of the Census, *Lines Unseen: assessing the quality of non-visible local boundaries in the United States.*
10:40 Michael Clements*, U.S. Bureau Of the Census, *Towards a uniform, stable, and smart small geographic unit for data collection.*
11:00 Timothy McMonagle*, U.S. Bureau Of the Census, *Census Bureau Geographic Partnership Programs.*

- 5222. Publishing After Elsevier**
Room: San Francisco, Westin, Level 2 (Panel Session)
 ORGANIZER(S): Bruce Braun, University of Minnesota - Minneapolis; Wendy Lerner, University of Bristol
 CHAIR(S): Bruce Braun, University of Minnesota - Minneapolis
 Discussant(s): Stuart Elden, University of Durham; Jamie Peck, University of British Columbia; Adam Tickell, University of Birmingham; Scott Prudham, University of Toronto; Lawrence D. Berg, University of British Columbia; Bruce Braun, University of Minnesota - Minneapolis; Wendy Lerner, University of Bristol

- 5223. Global environmental changes in mountain land-water-scapes. (Sponsored by Cryosphere Specialty Group, Geomorphology Specialty Group, Climate Change, Variability, Adaptation and Justice, Mountain Geography Specialty Group)**
Room: San Jose, Westin, Level 2 (Paper Session)
 ORGANIZER(S): Alfonso Fernandez, The Ohio State University; Bryan Mark, The Ohio State University
 CHAIR(S): Alfonso Fernandez, The Ohio State University
10:00 Richard A. Marston, Dr.*, Kansas State University, *Himalayan Glacier Changes as an Environmental Security Issue.*
10:20 Alton C. Byers, Ph.D.*, The Mountain Institute; Daene McKinney, Ph.D., University of Texas at Austin; Marcelo Somos, Ph.D. candidate, University of Texas at Austin, *Recent Results of the Community-based Glacial Lake Flood and Risk Reduction Project at Imja Glacial Lake, Sagarmatha (Everest) National Park, Khumbu, Nepal.*
10:40 Bryan Mark, Ph.D.*, The Ohio State University; Michel

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Baraer, Ph.D., Réseau de l'Université du Québec;
 Jeffrey McKenzie, Ph.D., McGill University; Elizabeth
 Walsh, McGill University; Alfonso Fernandez, The
 Ohio State University; Oliver Wigmore, The Ohio State
 University, *Tracking stream flow and water quality
 below melting Andean glaciers: a survey along the
 Santa River, Peru.*

11:00 Carol Harden*, University of Tennessee; Julie Y
 McKnight, University of Tennessee; Jaehoon Lee,
 University of Tennessee; James Hartsig, University of
 Tennessee; Kathleen Farley, University of California,
 San Diego, *Differences in Soil Water-Retention
 Capacity Associated with Conversion from Grassland
 to Pine Woodland in Andean Paramos.*

11:20 Thomas Fickert*, University of Passau, Physical
 Geography; Friederike Grueninger, University of
 Passau, Physical Geography, *High-speed colonization
 of bare ground - Permanent plot studies on primary
 succession of recently deglaciated glacier forelands in
 the Eastern Alps.*

5225. Paying attention to one end of the Aging spectrum (Sponsored by Disability Specialty Group)

Room: Emerald Bay, Westin, Level 3 (Paper Session)
 ORGANIZER(S): Leonor Vanik, UIC-Chicago
 CHAIR(S): Leonor Vanik, UIC-Chicago
 Introducer: Leonor Vanik

10:10 Susanne Zimmermann-Janschitz*, University of Graz,
*Barriers in Minds and »Maps without Limits« -
 Modeling a »GIS for All« in an Aging Society.*

10:30 Christian PIHET*, University of Angers, Centre
 d'analyses stratégiques (Paris); Pierre CHAPON,
 Ph D, Lyon, WHO network facilitator for France
 for age-friendly cities; Florent RENARD, Lecturer,
 Lyon, UMR Environnement, ville, société, Université
 de Lyon 3, « *Aging in place, aging in cities: French
 experiences* ».

10:50 Sylvia Arriaga Brady*, University of Denver, *Mobility of
 the Aging in Denver, CO: A qualitative study of travel
 behavior, mobility barriers, and perceptions of transit.*

5226. Research Topics on Na-Dene Ethnogeography (Sponsored by Landscape Specialty Group, Indigenous Peoples Specialty Group, Ethnic Geography Specialty Group)

Room: Hollywood Ballroom, Westin, Level 3 (Paper Session)
 ORGANIZER(S): James Kari, University of Alaska Fairbanks
 CHAIR(S): James Kari, University of Alaska Fairbanks

10:00 James Kari, Professor Emeritus*, University of Alaska
 Fairbanks, Alaska Native Language Center, *Evidence
 for the Antiquity of the Proto-Dene Lex Loci.*

10:20 Thomas F Thornton*, University of Oxford, *Place Name
 Meshworks: Nodes, Lines, and Ruptures in Social-
 Environmental Change and Sustainability.*

10:40 Patrick Moore, Associate Professor*, Dept of
 Anthropology University of British Columbia, *Tagish
 and Tlingit Place Naming Traditions in the Tagish
 Region of Southwestern Yukon.*

11:00 David M. Mark*, University at Buffalo; David Stea,
 Center for Global Justice, México, *Navajo Rocks! The
 Prominence of Rock Formations in Navajo Toponyms.*

11:20 Stephen C Jett*, University of California, Davis,
*Placenames as the Traditional Navajo's Title-Deeds,
 Border-Alert System, Remote-Sensing, Gps, Memory
 Bank, and Monitor Screen.*

5227. Environmental Justice Research: Contemporary Issues and Emerging Topics II (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Health and Medical Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)

Room: Santa Monica A, Westin, Level 3 (Paper Session)

ORGANIZER(S): Jayajit Chakraborty, University of South
 Florida; Sara Grineski, University of Texas at El Paso

CHAIR(S): Timothy Collins, University of Texas - El Paso

10:00 Brenda Kayzar*, University of Minnesota, *Environmental
 Justice and Revitalization: Recasting Industrial
 Legacies in the Inner-City.*

10:20 Bruce Coffyn Mitchell*, The University of South Florida,
 Dept. of Geography, Environment, & Planning;
 Jayajit Chakraborty, Ph.D., The University of South
 Florida, Dept. of Geography, Environment, &
 Planning, *A Landscape of Thermal Inequity: Racial
 and Socioeconomic Disparities in the 1995 Chicago
 Heatwave.*

10:40 Yolanda McDonald*, Texas A&M University, *Lacking a
 connection to a community water system: Water quality
 and human health impacts in El Paso colonias.*

11:00 Rosibel Roman*, Florida International University,
*Unfriendly Infrastructure: An urban socio-ecological
 study of older pedestrians' risks in South Florida.*

5228. Perspectives on Present and Past U.S. Elections (Sponsored by Political Geography Specialty Group)

Room: Santa Monica B, Westin, Level 3 (Paper Session)

ORGANIZER(S): Fred Shelley, University of Oklahoma

CHAIR(S): Ryan Weichelt, University of Wisconsin-Eau Claire

10:00 Robert Watrel*, South Dakota State University; Fred
 M. Shelley, University of Oklahoma; Clark Archer,
 University of Nebraska-Lincoln, *Is the 2012
 Presidential Election a Geographically Maintaining or
 Deviating Election?*

10:20 John Heppen*, University of Wisconsin River Falls,
*Electoral Geography and Political Cultures of
 Presidential Elections.*

10:40 Kimberly Johnson*, South Dakota State University,
*Changing Tactics, Changing Identities: Women's
 Suffrage Protest in Washington, D.C. 1913-1920.*

11:00 Matthew Balentine, University of Wyoming; Justin Frazier,
 University of Wyoming; Gerald R. Webster, Ph.D.*,
 University of Wyoming, *The Use of Geographic Place
 Names in Presidential Debates, 1976-2012.*

11:20 Fred Shelley*, University of Oklahoma, *Social Media and
 the Geography of the 2012 U.S. Presidential Election.*

5229. Post-colonial Urbanisms: African connections and innovations II: Crossings (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Africa Specialty Group)

Room: Santa Monica C, Westin, Level 3 (Paper Session)

ORGANIZER(S): Léonie Newhouse, University of Washington;
 Jesse McClelland, University of Washington

CHAIR(S): Léonie Newhouse, University of Washington

10:00 Michael Degani*, Yale University, *Bodaboda: Motorcycles
 and youth in Dar es Salaam, Tanzania.*

10:18 Delia FS Ah Goo*, Nelson Mandela Metropolitan
 University; Anton H De Wit, Nelson Mandela
 Metropolitan University, *The role of the informal
 medicinal plant trade in sustaining livelihoods: a South
 African case study.*

10:36 Jonathan Silver*, Durham University, *Disruption and
 failure across Accra's energy network: The urban
 metabolism of infrastructure crisis.*

Discussant(s): Garth Myers, Trinity College

5230. Political ecology across the rural-urban divide II: Rural cities and other urban aspirations (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Colleen Hiner, UC Davis; Innisfree Mckinnon,

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- University of Oregon
 CHAIR(S): Colleen Hiner, UC Davis
 10:00 Valente Soto Cortes*, University of Arizona, *"Sustainable Rural Cities in Chiapas, Mexico: The Urbanization of Rural Poverty"*.
 10:20 Sudeshna Mitra*, Cornell University, *Urban space and real estate in financing emergent 'worlding' practices in India*.
 10:40 Innisfree Mckinnon*, University of Oregon, *Rural city or urbanized countryside?*.
 Discussant(s): Nik Heynen, University of Georgia
- 5234. Perspectives on Gentrification**
 Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Trushna Parekh, University of Kentucky
 10:00 Carolina Sarmiento*, University of California, Irvine; Revel Sims, University of California, Los Angeles (UCLA), *Facades of Progressive Gentrification: A Case of the Affordable Housing Complex in Neighborhood Revitalization*.
 10:20 Heather McLean*, York University; Katharine Rankin, University of Toronto, *Dispatches from Mt. Dennis: Anti-Gentrification Organizing With Small Businesses in Toronto*.
 10:40 Minting Ye*, Michigan State University; Igor Vojnovic, Michigan State University, *Layering the Diversity and Complexity of Gentrification in Hong Kong, 1986 to 2006*.
 11:00 Trushna Parekh*, Texas Southern University, *Music without Noise: Gentrification, Changing Practices and Neighborhood Impacts in Tremé, New Orleans*.
 11:20 Kate Parizeau*, University of Guelph, *Recycling the City: Urban change and informal recycling in downtown Vancouver, BC*.
- 5235. Japanese Cities in their Global Context II: Space and Spatial Relations (Sponsored by Asian Geography Specialty Group, Global Urbanization, Urban Geography Specialty Group)**
 Room: Laguna Parlor 3028, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): David Edgington, University of British Columbia; Carola Hein
 CHAIR(S): Carola Hein
 10:00 Carlos Balsas*, *Retail Development in Japan, Implications for City Centers*.
 10:20 Naomi Clara Hanakata*, SEC Future Cities Laboratory ETH Zurich, *Production of Differences in the Tokyo Metropolitan Region*.
 10:40 Roman Cybriwsky*, Temple University, *Deconstructing Tokyo Sky Tree*.
 11:00 David W. Edgington*, University of British Columbia, *'Gaijin are Residents too!' Multiculturalism and Government Programs in Tokyo's 23 Wards*.
- 5236. Urbanization, Climate Change, and Public Health - A Remote Sensing Perspective (II) (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)**
 Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Qihao Weng, Indiana State University; Bing Xu
 CHAIR(S): Bing Xu
 10:00 Cyril Oluyomi Wilson*, University of Wisconsin- Eau Claire, *Land use/land cover water quality nexus: Quantifying anthropogenic influences on surface water quality in the Lower Chippewa River Watershed, WI*.
 10:20 Hua Tan*, College of Global Change and Earth System Science, Beijing Normal University, Beijing 100875, China; Mu Yang, College of Global Change and Earth System Science, Beijing Normal University, Beijing 100875, China; Tao Zhang, School of Environment, Tsinghua University, Beijing, 100084, P. R. China; Zhiben Jiang, School of Environment, Tsinghua University, Beijing, 100084, P. R. China; Bing Xu, School of Environment, Tsinghua University, Beijing, 100084, P. R. China, *A multi-agent dynamic network model for assessing environmental pathways in avian influenza transmission*.
 10:40 Hua Liu*, Old Dominion University; Qihao Weng, Indiana State University, *Environmental Factors and Risk Areas of West Nile Virus in the Southern California, 2007-09*.
 11:00 Xiaoxu Wu, Beijing Normal University; Sen Zhou, Tsinghua University; Lifan Chen, Beijing Normal University; Huaiyu Tian, Beijing Normal University; Yongmei Lu, Texas State University; Bing Xu*, Tsinghua University, *The impact of global climate change on human infectious diseases*.
- 5237. Geospatial visualization: concepts, tools, platforms and related topics (II) (Sponsored by Cyberinfrastructure Specialty Group)**
 Room: Laguna Parlor 3048, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Jing Li, University of Denver; Yunfeng Jiang, George Mason University
 CHAIR(S): Jing Li, University of Denver
 10:00 Claudia K. Walters*, University of Michigan - Dearborn; Ryan Keeling, University of Michigan - Dearborn; Julie Winkler, Michigan State University; Dana Doubler, Michigan State University; Xindi Bian, Forest Service; Shiyuan Zhong, Michigan State University; Jovanka Nikolic, Michigan State University, *Investigating the Evolution of Northerly Low-Level Jets*.
 10:20 Mohammed S Alfarhan*, King Abdulaziz City for Sciences and Technology; Ali Aldosari, King Saud University; Lionel White, Geological and Historical Virtual Models; Jarvis Cline, Geological and Historical Virtual Models; Carlos Aiken, University of Texas at Dallas, *Building 3D Photorealistic Model of A Historical Building Using LiDAR, Case Study: AlFareed Palace, Saudi Arabia*.
 10:40 Young-Hoon Kim*, Korea National University of Education, *Visualizing spatial structures of South Korea using cartograms*.
 11:00 Joanna Merson*, Arizona State University; Elizabeth A Wentz, Arizona State University; Melinda Shimizu, Arizona State University, *Communication of Nitrogen Removal Rates for a Watershed Management Spatial Decision Support System*.
 11:20 Thomas James Pingel, Ph.D.*, Northern Illinois University; Keith C Clarke, Ph.D., University of California, Santa Barbara, *An Empirical Evaluation of Perceptually Scaled Slope Shading for LiDAR Visualization of Urban Areas*.
- 5238. Spatial Optimization and Analysis II (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**
 Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)
 ORGANIZER(S): Daoqin Tong, University of Arizona - Geography & Regional Development
 CHAIR(S): Daoqin Tong, University of Arizona - Geography & Regional Development
 10:00 Ran Wei*, Arizona State University; Alan T. Murray, Arizona State University, *Continuous demand representation to support coverage modeling*.
 10:20 Ran Li*, University of Arizona; Daoqin Tong, University of Arizona, *Sensitivity assessment of location models when incorporating space and time*.
 10:40 Pedro V. Amaral*, GeoDa Center for Geospatial Analysis and Computation, School of Geographical Sciences

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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, *Spatial Allocation of Dialysis Machines in Brazil*.

- 11:00** Shuang Xu*, Department of Geography, University of Iowa; David Bennett, Department of Geography, University of Iowa; Deng Ding, Department of Geography, University of Iowa, *Sustainability optimization of land use patterns in an agricultural watershed using evolutionary algorithm*.
- 11:20** Paul J Doherty, PhD Candidate*, University of California, Merced, *Space-Time Analyses for Forecasting and Understanding Future Incident Occurrence: A Case Study from Yosemite National Park Search and Rescue*.

5239. Superdiversity and urban multicultural: practices and spaces of social mixing and polarisation (2)

Room: Laguna Parlor 3068, Westin, 30th Floor (Paper Session)

- ORGANIZER(S): Sarah Neal, Open University
CHAIR(S): Sarah Neal, Open University
- 10:00** Katy Bennett*, University of Leicester; Kieran Connell, The Open University; Hannah Jones, The Open University; Sarah Neal, The Open University; Allan Cochrane, The Open University; Giles Mohan, The Open University, *Spatialities of Multiculture: Young people, schools and further education colleges*.
- 10:20** Christina Maria West*, University of Mannheim, *Revisited! Transculturality - Transethnecity? Transnationality: Politics, Policies and Urban Development between "Integration" and "Super-Diversity"*.
- 10:40** Gemma Catney, Dr*, University of Liverpool, *Urban geographies of neighbourhood ethnic segregation in England and Wales*.
- 11:00** Tara Zagofsky*, UC Davis, Geography, *Civic Engagement Unbound: Social & Spatial Forms of Inclusion/Exclusion in Marginalized Communities*.
- 11:20** Cathy J McIlwaine*, Queen Mary, University of London, *Privileged transnational citizenship and external voting: experiences among Colombians in London and Madrid*.

5240. Beyond neoliberal governmentality: subjectivity, agency, and non-liberal government (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Political Geography Specialty Group, Qualitative Research Specialty Group)

Room: Malibu Parlor 3018, Westin, 30th Floor (Paper Session)

- ORGANIZER(S): Natalie Koch, Syracuse University
CHAIR(S): Najeeb Jan, University of Colorado
- 10:00** Natalie Koch*, Syracuse University, *Passive spectator citizenship: sport, spectacle, and authoritarian governmentality*.
- 10:20** Robert Huish*, Dalhousie University, *Going for more than Gold: The Place of Cuba's Sport Internationalism in the Americas*.
- 10:40** Rachel E Naylor*, Goethe University--Frankfurt am Main, *Policy-making models in the FSU: The Republic of Georgia's anti-corruption reforms*.
- Discussant(s): Najeeb Jan, University of Colorado

5241. Diversity in Population and Economic Processes across Rural Space (Sponsored by Rural Geography Specialty Group, Population Specialty Group)

Room: Malibu Parlor 3038, Westin, 30th Floor (Paper Session)

- ORGANIZER(S): John Cromartie, Economic Research Service, USDA; Peter Nelson, Middlebury College
CHAIR(S): Peter Nelson, Middlebury College
- 10:00** John Cromartie*, Economic Research Service, USDA,

Population Shifts across Nonmetropolitan America: Explaining Regional Variation in the Net Migration Slowdown, 2000-2010.

- 10:20** Brandon H. Haddock, M.S.; A.B.D.*, Kansas State University, *Home Fires Burning: Rural queer lives and modern aspects of community*.
- 10:40** Peter Nelson*, Middlebury College, *Subprime lending, the housing crisis, and the Great Recession - an analysis of nonmetropolitan regions across time and space*.
- 11:00** Jeffrey Olson*, The Ohio State University, *Urban-rural Change in the Midwest: Classification and Transitions on the County Level, 1980-2000*.
- 11:20** Jacquelyn Chase*, Cal State University, Chico, *Thinking big? land fragmentation and the management of hunting zones in Portugal*.

5242. Climatology

Room: Malibu Parlor 3058, Westin, 30th Floor (Paper Session)

- ORGANIZER(S): Program Committee
CHAIR(S): Hal Needham, Louisiana State University
- 10:00** Diego Pedreros*, United States Geological Survey; Chris Funk, USGS; Pete Peterson, Geography dpt. University of California, Santa Barbara; Marty Landsfeld, Geography Dpt. University of California Santa Barbara; Andrew Verdin, Geography Dpt. University of California Santa Barbara; Gregory Husak, Geography Dpt. University of California Santa Barbara; Joel Michaelson, Geography Dpt. University of California Santa Barbara; Bolesto Romero, Geography Dpt. University of California Santa Barbara, *The FEWS NET's Rainfall Enhancement Process*.
- 10:20** Christopher Atkinson*, University of North Dakota, *Blizzards in the Northern Plains: A Regional Ranking of Rare Winter Weather*.
- 10:40** William Rense*, Retired, *A 50 Year Climatic Record at 2,530 meters on the East Slope, Colorado Front Range*.
- 11:00** Erik Aspril*, Penn State, *Contrain Outbreaks over the Coterminous United States*.
- 11:20** Hal Needham*, Louisiana State University; Barry D Keim, Louisiana State University, *Correlating Storm Surge Heights with Tropical Cyclone Winds at and before Landfall*.

5243. Geographic Perspectives on Housing

Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)

- ORGANIZER(S): Program Committee
CHAIR(S): Norman Carter, California State University, Long Beach
- 10:00** Ivis Garcia Zambrana*, University of Illinois at Chicago, *Housing as a Social Process*.
- 10:20** Kimberley Kinder*, University of Michigan, *DIY Housing in Southwest Detroit*.
- 10:40** Runrid Fox-Kaemper*, ILS- Institute for Regional and Urban Development, *Perspectives for Older Detached Housing Estates in West Germany - a Task for Local Authorities?*.
- 11:00** Michael L Mann, PhD*, George Washington University; Peter Berck, PhD, UC Berkeley; Max Moritz, PhD, UC Berkeley, *Exurban development in CA 1999-2049*.
- 11:20** Norman Carter*, California State University, Long Beach, *A Shortage of Housing? In This Economy?*.

5244. Environment and Geopolitics

Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)

- ORGANIZER(S): Program Committee
CHAIR(S): Hosuk Lee, North Georgia College & State University
- 10:00** Tom Narins*, Student, *Changing Geopolitics & Changing Forestry Cover: The Russia-China Timber Trade 1993-2010*.
- 10:20** Miriam Gay-Antaki*, University of Arizona, *Narratives*

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and Imaginaries Surrounding Carbon Projects in Oaxaca, Mexico.

10:40 Kimberly Marion Suiseeya*, Duke University, *Mapping the Equity Space in Forest Governance Interventions from the Convention on Biological Diversity Down to the Village Level in the Mekong Region.*

11:00 Hosuk Lee*, University of North Georgia, *A Political Ecological Approach to the Toponymic Conflict between Donghae (East Sea) and Sea of Japan.*

11:20 Mads Dahl Gjefsen*, University of Oslo, *The changing value(s) of coal: Historical shifts in the EU and US.*

5245. Universities, GIS, and Careers

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lisa Jordan

10:00 Bill Hodge, GISP*, City of Midland, *The Life & Times of the GISP and It's Place in a Professional Geospatial Career.*

10:20 Ronald Luna*, University of Maryland; Rachel Berndtson, University of Maryland, *Integrating career preparation into geography programs and curricula.*

10:40 Samuel W Finn*, Shippensburg University; Will Davis, Shippensburg University; Scott Drzyzga, PhD, Shippensburg University, *The Shippensburg University Address Referencing System project: Part II.*

11:00 Michael Gould, Dr*, Esri, *Spatial Thinking and Smart Campus Projects.*

11:20 Lisa Jordan*, Drew University, *Locative Media and Conservation.*

5246. Food Politics

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sara Matthews, Humboldt State University

10:00 Karla A. Peña*, University of Michigan, *The making of food sovereignty and the politics of scale.*

10:20 Cavell S Francis, BA, MSc.*, University of the West Indies Mona, *Food Security and Climate Change: exploring the policy response to food insecurity and climate change in the Jamaican Agriculture Sector.*

10:40 Patrick Oabel*, University of British Columbia, *Last of the Labour Aristocrats: Local Labour Market Change and Restructuring of the Philippine Sugar Industry.*

11:00 Bryan Dale*, University of Toronto, *"A Beautiful Picture of Chaos": La Via Campesina and the Convergence of Food Sovereignty and Climate Justice.*

11:20 Sara Matthews*, Humboldt State University, *Arcata's Formula Restaurant Ordinance as Defensive Regionalism.*

5247. Human-Environment Geographies

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Chris Gale

10:00 Linda Sylvester*, Oak Ridge National Lab, *Global Population Density Research and Development of a Sociocultural Repository.*

10:20 Jae Soen Son*, UNC-Charlotte; Jean-Claude Thill, UNC-Charlotte, *Characteristics and Typology of Global Cities Revealed by Hyperlink Networks.*

10:40 Jeanette Weaver*, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Marie Urban, Oak Ridge National Laboratory, *Using Population Density Research to Inform a Population Distribution Model for Settlement Mapping.*

11:00 Chris Gale*, University College London; Paul Longley, University College London, *Creating a New Open Geodemographic Classification of the UK.*

5250. Agent-Based & Cellular Automata Models for Geographical Systems 2: Land-Use Models (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Angeleno, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Andrew Crooks, George Mason University; Christopher Bone, University of Oregon

CHAIR(S): Christopher Bone, University of Oregon

10:00 Jan Baetens*, Ghent University; Bernard De Baets, Ghent University, *Towards real-time GIS-based modeling of wildfires.*

10:20 Haiyan Zhang*, Rutgers University; Clinton J Andrews, Rutgers University, *Modeling land market's responses to climate change in the coastal zone.*

10:40 Moira Zellner*, University of Illinois-Chicago; Charles Hoch, University of Illinois-Chicago; Daniel Milz, University of Illinois-Chicago; Leilah Lyons, University of Illinois-Chicago; Lissa Domoracki, University of Illinois-Chicago; Joshua Radinsky, University of Illinois-Chicago, *Participatory agent-based modeling for environmental planning: How stakeholders (cannot) resolve the dissonance between complexity and beliefs.*

11:00 Atesmachew Hailegiorgis*, George Mason University, *Agent-Based Modeling of Climate Change Adaptation in Southern Ethiopia.*

11:20 Amit Patel*, George Mason University; Andrew Crooks, George Mason University; Naoru Koizumi, George Mason University, *A Spatial ABM Approach to Explore Slum Formation Dynamics in Ahmedabad, India.*

5251. Beyond Ecosystem Services: Deciphering the Social Impacts of Conservation Interventions (Part II) (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)

Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Louise Glew, World Wildlife Fund US

CHAIR(S): Michael Mascia, World Wildlife Fund

10:00 Michael B. Mascia*, World Wildlife Fund; Fitry Pakiding, Universitas Negeri Papua; Louise Glew, World Wildlife Fund; Yori Toru Toja, Universitas Negeri Papua; Albertus Girikallo, Universitas Negeri Papua, *Marine protected areas and poverty alleviation: insights from Papua, Indonesia.*

10:20 Christoph K Nolte*, University of Michigan, *Ecological, social, and demographic impacts of protected areas in the Brazilian Amazon.*

10:40 Eric Keys, PhD*, University of Florida; Jessica Steele, University of Florida; Erin Bunting, University of Florida; Shylock Muyengwa, University of Zimbabwe; Brian Child, University of Florida, *Good Elephant, Bad Elephant: Assessing the Impacts of Wildlife Friendly Policies in Namibia and Botswana.*

Discussant(s): Rinku Roy Chowdhury, Indiana University

5252. Communicating for Social Change: Public Discourse and Environmental Issues (Sponsored by Human Dimensions of Global Change Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Grand Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): RDK Herman, National Museum of the American Indian

10:00 Stephen Axon*, Liverpool Hope University, *Addressing climate change at the community level: Understanding the opportunities and challenges for sustainable living.*

10:20 Randall Wilson*, Gettysburg College, *What would Smokey say? Exploring public land icons as reflections of nature and culture in the US.*

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10:40 Tim Carter*, center for urban ecology, butler university,
*Combining Art and Science for Environmental
Outreach in Virtual and Physical Urban Spaces.*
Discussant(s): RDK Herman, National Museum of the American
Indian

5253. Sustainable California? (Sponsored by Energy and Environment Specialty Group)

Room: Grand Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Allison Lassiter

10:00 Miriam Greenberg, Assoc. Professor of Sociology*,
UC Santa Cruz, *Critical Sustainabilities: Analyzing
Competing Discourses of Urban Development in
California.*

10:20 Robert W. Smith, Ph.D., J.D.*, University of California,
Davis, *Changing Conceptions of "Impact" under the
California Environmental Quality Act.*

10:40 Deepak Sivaraman*, University of California - Los
Angeles, *Has State Funding Made A Difference to
Sustainable Communities Research in California?.*

11:00 Sarah Di Vittorio*, University of California, Berkeley,
*The Politics of Payment for Ecosystem Services in a
California Watershed.*

11:20 Allison Lassiter*, UC-Berkeley, *Identifying Spatial
Patterns in Residential Water Consumption.*

5254. Toxicity, Mining, and Genocide

Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Jeren Guzmán

10:00 Elizabeth Sibilila, Ph.D Student*, The Graduate Center,
CUNY, *Breaking Ships In Bangladesh and a Shadowed
History of Development.*

10:20 Laura Pitkanen*, University of Toronto, *Failsafe:
Uranium and the Politics of the Crown Corporation.*

10:40 Nathan Andrews*, *Digging for Survival or Justice? The
Case of 'Galamsey' Workers in Aboso, Western Ghana.*

11:00 Jeren Guzmán*, *Who are the Big Actors in Global
Environmental Degradation? Analyzing the
Environmental Impact of the Military Industrial
Complex..*

5255. Tourism: In search of heritage (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Alison M Gill, Simon Fraser University
CHAIR(S): William Bainbridge, Durham University

10:00 Lisa Cooke*, Thompson Rivers University, *Klondike 'Yo!:
Grounding Public Memory and Colonial Nostalgias in
Dawson City, Yukon..*

10:20 Irina Rannak*, ECOMEN, *Impressions over time of the
tourism industry of Estonia.*

10:40 Nicolas Ortega*, Universidad Autonoma de Madrid,
*Landscape, Heritage and Identity in the First Spanish
Touristic Politics.*

11:00 William Bainbridge*, Durham University, *Memories in the
Clouds: Messner Mountain Museums (MMM) and the
Quest for Global Mountain Heritage..*

5256. Whose Winnipeg? Neoliberalism, Settler Colonialism, and the Production of Urban Space 2 (Sponsored by Canadian Studies Specialty Group, Socialist and Critical Geography Specialty Group, Indigenous Peoples Specialty Group)

Room: Highland, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): David Hugill, York University; Bronwyn
Dobchuk-Land, City University of New York Graduate
Center

CHAIR(S): Owen Toews, CUNY Graduate Center

10:00 Bronwyn Dobchuk-Land*, City University of New York
Graduate Center, *Panic, Punishment and Prevention:*

*Managing Indigenous Youth in Settler Colonial
Canada.*

10:20 Natalia Ilyniak*, University of Manitoba, *A Relational
Understanding of Colonial Genocide: Looking at
the Forced Relocation of Aboriginal Groups in the
Canadian Prairies.*

10:40 Kate Sjoberg*, *"After we got here..."*.

5257. Arctic Hydrology in a Changing Climate: Part II (Sponsored by Climate Specialty Group, Cryosphere Specialty Group, Water Resources Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: Hollywood, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Asa Rennermalm, Rutgers, The State
University of New Jersey; Christine Chen, Byrd Polar
Research Center

CHAIR(S): Asa Rennermalm, Rutgers, The State University of
New Jersey

10:00 Felix W Landerer*, Jet Propulsion Laboratory /
California Institute of Technology; David N Wiese,
Jet Propulsion Laboratory / California Institute of
Technology; Michael M Watkins, Jet Propulsion
Laboratory / California Institute of Technology,
*GRACE observations of Greenland's ice mass loss in
the summer of 2012.*

10:17 Laurence C. Smith, Ph.D*, University of California -
Los Angeles; Asa K. Rennermalm, Department of
Geography, Rutgers, The State University of New
Jersey; Carl J. Legleiter, Department of Geography,
University of Wyoming; Alberto E. Behar, NASA
Jet Propulsion Laboratory, 4800 Oak Grove Drive,
Pasadena, CA; Vena W. Chu, University of California,
Los Angeles (UCLA) Department of Geography,
University of California - Los Angeles; Rick R. Forster,
Department of Geography, The University of Utah, Salt
Lake City; Colin J. Gleason, University of California,
Los Angeles (UCLA) Department of Geography,
University of California - Los Angeles; Samiah E.
Moustafa, Department of Geography, Rutgers, The
State University of New Jersey, Piscataway, NJ;
Lincoln H. Pitcher, University of California, Los
Angeles (UCLA) Department of Geography, University
of California - Los Angeles; Brandon T. Overstreet,
Department of Geography, University of Wyoming,
Laramie, WY; Marco Tedesco, The City College
of New York, The City University of New York,
Dept. Earth and Atmospheric Sciences; Kang Yang,
University of California, Los Angeles (UCLA) Dept.
Geography, University of California - Los Angeles,
*Greenland supraglacial rivers and the extreme 2012
melt season.*

10:34 Vena W. Chu*, University of California, Los Angeles
(UCLA); Laurence C. Smith, University of California,
Los Angeles (UCLA); Asa K. Rennermalm, Rutgers,
The State University of New Jersey; Richard R.
Forster, University of Utah; Colin J. Gleason,
University of California, Los Angeles (UCLA);
Lincoln H. Pitcher, University of California, Los
Angeles (UCLA); Samiah E. Moustafa, Rutgers, The
State University of New Jersey; Kang Yang, Nanjing
University, *Hydraulic Geometry of Greenland Ice Sheet
Supraglacial Streams.*

10:51 Nathan Amador*, Penn State University, *Utilization of
Self-Organizing Maps to Explain the Relationship
Between the distribution of Supraglacial Melt
Lakes and Synoptic-Scale Circulation Patterns over
Jakobshavn Isbrae, west Greenland.*

11:08 Wenkai Guo*, The Ohio State University; Jason Box, The
Ohio State University, *Evolution of Supraglacial Lakes
over Store Glacier, Greenland.*

11:24 Asa K Rennermalm*, Rutgers, The State University of

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New Jersey; Andreas Bech Mikkelsen, University of Copenhagen; Laurence C Smith, University of California Los Angeles; Vena W Chu, University of California Los Angeles; Samiah E Moustafa, Rutgers, The State University of New Jersey; Michiel van den Broeke, Utrecht University, *Ice Sheet Hydrologic Network Development Examined with In Situ River Discharge from Nested Watersheds in Southwest Greenland*.

5258. Political subjectivity (Sponsored by Political Geography Specialty Group)

Room: *Melrose, The LA Hotel, Level 2* (Paper Session)

ORGANIZER(S): Jouni Hakli, University of Tampere; Kirsi P. Kallio, University of Tampere

CHAIR(S): Jouni Hakli, University of Tampere

10:00 Caroline Faria*, Florida International University, *"I want my children to know Sudan": Long Distance Nationalisms and a Gendered Politics of Home*.

10:20 Jessie H Clark*, University of Oregon, *From Cynicism to Ambivalence: Rethinking State-Subject Relations*.

10:40 Jouni Hakli*, University of Tampere; Kirsi P. Kallio*, University of Tampere, *The politics of living together*.

11:00 Suncana Laketa*, University of Arizona, *Desire and affect in the formation of geopolitical subjects*.

Discussant(s): Banu Gokariksel, University of North Carolina, Chapel Hill

5259. Unpacking 'ethical' markets II: Ethical markets in flux (Sponsored by Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)

Room: *Olvera, The LA Hotel, Level 2* (Paper Session)

ORGANIZER(S): Trina Hamilton, SUNY - Buffalo; Roberta Hawkins, University of Guelph

CHAIR(S): Jennifer Silver, The University of Guelph

10:00 Emily Billo*, Bucknell University, *Rights, access, and resources: An institutional ethnography of corporate social responsibility and the oil industry in Ecuador's northern Amazon region*.

10:20 Erin Araujo*, Memorial University of Newfoundland, *Deconstructing a mountain of ewaste: a mixed methods proposal for untangling the economies of electronic waste*.

10:40 Jennifer Silver*, The University of Guelph, *A view from the tradeshow floor: on the possibilities and challenges of employing event ethnography in the study of market-based environmental governance*.

11:00 Trina Hamilton*, SUNY - Buffalo, *Backwards ethics: Digging up digital pasts and the evolution of ethical imaginaries*.

Discussant(s): Roberta Hawkins, University of Guelph

5261. Geographies of Media X: Media, Art, & Activism (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: *Pacific Ballroom Salon 1, The LA Hotel, Level 2* (Paper Session)

ORGANIZER(S): John Finn, Christopher Newport University; Joseph Palis, North Carolina State University

CHAIR(S): John Finn, Christopher Newport University

10:00 Allison Collender*, John Finn, Christopher Newport University, *"The Hands That Build Can Also Tear Down": Graffiti and the Israeli-Palestinian Separation Wall*.

10:20 Erin Siodmak*, City University of New York, Graduate Center, *Up for grabs: experiencing place by Waiting for Godot in New Orleans*.

10:40 Paul C. Adams*, University of Texas at Austin, *The Case of the Missing Laureate: The Communication Geography of the 2010 Nobel Peace Prize*.

11:00 Lora Marie P. Hlavska*, Macalester College, *A Museum in the Streets: Public Art, Placemaking, and Urban*

Community Building in the Twin Cities.

5262. Vegetation Dynamics II (Sponsored by Biogeography Specialty Group)

Room: *Pacific Ballroom Salon 2, The LA Hotel, Level 2* (Paper Session)

ORGANIZER(S): Adam Naito, Texas A&M University

CHAIR(S): Adam Naito, Texas A&M University

10:00 Gwangyong Choi*, Jeju National University, *Terrestrial Carbon Assimilation in East Asia under a Changing Climate*.

10:20 Emily K. Smith-McKenna*, PhD Candidate, Geospatial & Environmental Analysis Program, Virginia Tech; George P. Malanson, Department of Geography, The University of Iowa; Laurence W. Carstensen, Department of Geography, Virginia Tech; Stephen P. Prisley, Department of Forest Resources and Environmental Conservation, Virginia Tech; Lynn M. Resler, Department of Geography, Virginia Tech; Diana F. Tomback, Department of Integrative Biology, University of Colorado Denver, *The Influence of Feedbacks, Disease, and Climate on Treeline Pattern and Process: An Agent-based Model Application*.

10:40 Timothy Assal*, Colorado State University; U.S. Geological Survey; Jason Sibold, Colorado State University, *Modeling Mountain Pine Beetle Disturbance in Glacier National Park using Multiple Lines of Evidence*.

11:00 John F. O'Leary*, Department of Geography, San Diego State University; Douglas Wylie, Department of Geography, San Diego State University, *Vegetation Dynamics Following Removal of Feral Herbivores from San Clemente Island, California*.

11:20 Adam T. Naito*, Department of Geography, Texas A&M University; David M. Cairns, Department of Geography, Texas A&M University, *Dynamic spatial patterns of Alaskan Arctic shrub expansion and hypotheses regarding its landscape-scale drivers*.

5263. Emerging Cities of the Third Wave (CITY Perspectives 1) (Sponsored by Global Urbanization)

Room: *Pacific Ballroom Salon 3, The LA Hotel, Level 2* (Panel Session)

ORGANIZER(S): Bob Catterall, CITY; Anna Richter, Leibniz Institute

CHAIR(S): Bob Catterall, CITY

Panelists: Allen J Scott, University of California - Los Angeles; Sharon M Meagher, The University of Scranton; Edward Soja, University of California, Los Angeles (UCLA); Elvin Wyly, University of British Columbia

5270. Water Sustainability: Transboundary Watersheds

Room: *Athenian, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Melissa J. Rura, UMCN

CHAIR(S): Kim Ogren, Oregon State University

10:00 Zachary Sugg*, University of Arizona School of Geography and Development; Robert Varady, Ph.D., Udall Center for Studies in Public Policy, University of Arizona, *Transboundary aquifer governance: The roles of the state and civil society in managing conflict*.

10:20 Crystal J. Bergman*, University of Nebraska-Lincoln; Michael J. Hayes, University of Nebraska-Lincoln; Deborah J. Bathke, University of Nebraska-Lincoln; Cody L. Knutson, University of Nebraska-Lincoln; Zhenghong Tang, University of Nebraska-Lincoln, *Investigating the Experiences of Transboundary Watersheds and Hydrologic Basins to Improve Drought Planning in the United States*.

10:40 Charles Donald McGlynn, Ph.D.*, Rowan University, *Cebu City's Unique Response to Groundwater Contamination*.

11:00 Jacob Petersen-Perlman*, Oregon State University, *Mechanisms of Cooperation for States' Construction of*

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Water Infrastructure Projects in Transboundary River Basins.

- 11:20** Kim Ogren*, Oregon State University, *Universities as Third Party Facilitators in Transboundary Water Management: A Venue for Dialogue in the Columbia River Basin.*

5271. Cities, Transportation and Sustainability II: Governance and Policy (Sponsored by Global Urbanization, Urban Geography Specialty Group, Transportation Geography Specialty Group)

Room: Bernard's, Biltmore, Lobby Level (Paper Session)

ORGANIZER(S): Andrew Jonas, University of Hull; Andrew Goetz, University of Denver

CHAIR(S): Yonn Dierwechter, University of Washington - Tacoma

10:00 Chris Benner*, University of California Davis, *Sustainable Communities and Equity: Opportunities and Challenges in California's Climate Change Legislation.*

10:20 Jason M Henderson, Associate Professor*, San Francisco State University, *The Politics of "Transit First" in San Francisco, California.*

10:40 Stephen Hall*, University of Hull; Andrew E Jonas, Prof, University of Hull, *Urban crisis and the struggle for regional transit in Motor City.*

11:00 Timothy J. Brock*, University of Kentucky; Reginald R. Souleyrette, PhD, University of Kentucky, *Urban Transit Policy Mobility: The Historical Development of U.S. Commuter Rail Policy and Financing.*

Discussant(s): Andrew Jonas, University of Hull

5272. Natural Resources

Room: Cordoban, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Eric Samson, Mayan Esteem Project; Central Connecticut State University

10:00 Joe Krahe*, University of Connecticut; Colin Polsky, PhD, Clark University; Ray Quay, PhD, Arizona State University; Robert Johnston, PhD, Clark University, *Understanding Residential Water Use: The Influence of Weather, Lawn Size, and Price.*

10:20 Julie Y McKnight*, University of Tennessee, Knoxville; Carol P Harden, PhD, University of Tennessee, Knoxville; Christopher D Clark, PhD, University of Tennessee, Knoxville; Bill Park, PhD, University of Tennessee, Knoxville; Kelly E VanCor, University of Tennessee, Knoxville; Caroline E Ellis, University of Tennessee, Knoxville; Evan Betterton, University of Tennessee, Knoxville; Hope M Tracy, University of Tennessee, Knoxville, *Water Management and Power Production in East Tennessee: An Assessment of Water-Energy Interactions and Policy.*

10:40 Raymond Lee*, San Diego State University, *Thermal and nutrient dynamics in a chronically eutrophied drinking water reservoir.*

11:00 Kayla Ouellette*, University of South Florida; Kamal Alsharif, PhD, University of South Florida; John Capece, PhD, Southern DataStream, Inc., *Agriculture, Environmental Restoration and Ecosystem Services: Creating Sustainable Agricultural Systems in South Florida.*

11:20 Eric L. Samson*, Mayan Esteem Project, *Social Justice and Sewage Treatment in Chiapas, Mexico.*

5273. Author Meets Critics: Verena Andermatt Conley's _Spatial Ecologies_

Room: Corinthian, Biltmore, Mezzanine Level (Panel Session)

ORGANIZER(S): David B. Clarke, Swansea University

CHAIR(S): David B. Clarke, Swansea University

Introducer: David B. Clarke

Discussant(s): Marcus A Doel, University of Wales, Swansea; Trevor Barnes, University of British Columbia; Verena Conley, Harvard University; John Paul Jones, University of Arizona; Deborah Dixon

5274. Diverse Perspectives on Women and Gender

Room: Corsican, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Malgorzata Milczarek, The University of Western Ontario

10:00 Maria Elisa Christie*, Virginia Tech; Laura Zseleczky, Virginia Tech; Alifah Lestari, FIELD Indonesia Foundation; Herien Puspitawati, Bogor Agricultural University; Mam Sitha, Ministry of Agriculture, Forestry, and Fishery, Cambodia, *Mapping the gendered impact pathway of Trichoderma: social and spatial relations of agricultural technology transfer.*

10:20 Comfort Iyabo Ogunleye-Adetona*, Educational Institution, *A geographical analyses of female criminality in Osun, Kwara and Niger states, Nigeria.*

10:40 Rebecca A. Buller, PhD*, University of Nebraska-Lincoln, *Interpreting Gendered Identity through Place-Based Entertainment.*

11:00 Malgorzata Milczarek*, The University of Western Ontario; Dr. Jeff Hopkins, Ph.D., The University of Western Ontario, *Emotional Geographies of Home: Meanings and Identities Attached to the Place of 'Home' Among Older Women Residing in Long-Term Care.*

5275. Urban Neighborhood Dynamics

Room: Florentine, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Elizabeth Groff, Temple University-Department of Criminal Justice

10:00 Michelle Steward*, University of California, Berkeley, *Defining 'Good' Neighborhoods: The Spatial Basis of Class-Based Symbolic Communities.*

10:20 Esther Gloor, M.A.*, University of Basel, Department of Environmental Sciences, Geography/Urban and Regional Studies, *Neighbourhood Images and Identity in Urban Development: The Case of Basel, Switzerland.*

10:40 Kenneth Stahl*, Chapman University School of Law, *The Legal Construction of the Neighborhood: The Chicago School of Urban Sociology and American Land Use Law.*

11:00 Ihui Lin*, University of Wisconsin-Milwaukee, *Examining the impacts of park attributes on nearby property values using three-level models.*

11:20 Elizabeth Groff, PhD*, Temple University-Department of Criminal Justice; Cory Haberman, Temple University, *Crime and Neighborhood Parks in Philadelphia.*

5276. Economic Geographies: Finance, Fairs, Firms, and Farms

Room: Grecian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yoshitaka Miyake

10:00 Wolfdietrich Peiker*, Humboldt-University of Berlin, *Market entry strategies of law firms.*

10:20 Yoshitaka Miyake, Ph.D. candidate*, University of Hawaii at Manoa, *Implementing Neoliberal Agricultural Policy at a Middle Level: the Implementation of the Multi-Product Income Stabilization Plan at Prefectures in the Rice-Farming Tohoku Region, Japan.*

SATURDAY, APRIL 13 • 10:00 AM - 11:40 AM • 5200**5278. Religion and Social Change**

Room: *Mediterranean, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Barney Warf, University of Kansas

10:00 Jonathan Lowell*, University of Texas, *The Extensibility of Céu do Mapiá*.

10:20 CAMELIA MARIA KANTOR, PhD*, Claflin University, *An affiliation dilemma: Romanian Greek Catholic immigrants to US*.

10:40 Tomas Havlicek*, *Secularization and church property: the case of Czechia*.

11:00 Christine Mathenge*, Austin Peay State University, *Religion, Social Stigma and Economic Devastation in Rural versus Urban Settings*.

11:20 Barney Warf*, University of Kansas, *Atheist Geographies and Geographies of Atheism*.

5279. Land Use and Land Cover Change

Room: *Moroccan, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sigismund Wilson, Rogers State University

10:00 Hao-Teng Cheng*, Ko-Wan Tsou, Professor, Department of Urban Planning, National Cheng Kung University; Jia-Hong Hong; Chuang-Yan Qiu, *The Land Use Change Research of Watershed Area - A Case study of Tsengwen and Nanhua Reservoir Watershed in Taiwan*.

10:20 Guoqiong Song*, University of California, Los Angeles (UCLA); Yongkang Xue, University of California, Los Angeles (UCLA), *Worldwide land use and land cover change in past half century and surface warming*.

10:40 Nasser Alsaaran*, King Saud University, *Comparison of MODIS and MERIS-based global land cover products over the Arabian Peninsula*.

11:00 Anastasia Myadzelets*, V.B. Sochava Institute of Geography SB RAS, *Earth Remote Sensing Data Usage for Geoinformation-Based Assessment of Land Disturbance*.

11:20 Sigismund Wilson*, Rogers State University, *Corporate mining and land use/land cover change: a geospatial analysis of rutile mining in Sierra Leone*.

5280. Urbanization, Land and Regional Development in China (Sponsored by China Specialty Group, Symposium on New Geographies of Urban China)

Room: *Roman, Biltmore, Mezzanine Level* (Paper Session)

ORGANIZER(S): Canfei He, Peking University; George C.S. Lin, University of Hong Kong

CHAIR(S): Cindy Fan, University of California, Los Angeles (UCLA)

10:00 Yehua Dennis Wei*, University of Utah; Ling Zhang, University of Utah; Felix Haifeng Liao, University of Utah; Jianglong Chen, Nanjing Institute of Geography and Limnology of CAS, *Urban Land Expansion and Spatial Restructuring in the Yangtze River Delta, China*.

10:20 Wei Xu*, University of Lethbridge, *Dynamics of rural to urban land use conversion in Shanghai*.

10:40 Canfei He*, Peking University; Zhiji Huang, Peking University, *How Do Land Use Changes Contribute to Economic Growth in Urban China? A Structural Equation Approach*.

11:00 Weidong Liu*, Chinese Academy of Sciences; Zhouying Song, Chinese Academy of Sciences; Mingxing Chen, Chinese Academy of Sciences; Mick Dunford, Chinese Academy of Sciences, *Unpacking Land Ticket in Chongqing, China*.

11:20 George C.S. Lin*, University of Hong Kong, *Emerging Spaces of Neoliberal Urbanism in China: State Power Reshuffling, Land Commodification, and Uneven Urban Development*.

11:50 AM - 2:00 PM**AAG AWARDS LUNCHEON**

Room: Saturday, April 13, 11:50 a.m. - 2:00 p.m.
Crystal Ballroom, Biltmore, Lobby Level

Join colleagues and friends in honoring recipients of AAG Honors and other awards and prizes. The Awards Luncheon will be held on Saturday, April 13 in the Crystal Ballroom of The Biltmore Hotel from 11:50 a.m. - 2:00 p.m.

The following Honors will be presented:

AAG Lifetime Achievement Honors
Sallie Marston, University of Arizona

AAG Lifetime Achievement Honors
Edward Soja, University of California, Los Angeles (UCLA)

AAG Distinguished Scholarship Honors
Judy Carney, University of California, Los Angeles (UCLA)

AAG Distinguished Scholarship Honors
John O'Loughlin, University of Colorado at Boulder

AAG Gilbert Grosvenor Honors for Geographic Education
Gwenda Rice, Western Oregon University

AAG Ronald F. Abler Distinguished Service Honors
Ruth Shirey, Indiana University

AAG Distinguished Teaching Honors
Dawn Wright, Esri and Oregon State University

AAG Gilbert White Public Service Honors
Thelma Glass, Alabama State University (posthumous award)

AAG Media Achievement Award
William Moseley, Macalester College

In addition to AAG Honors, the Burrill Award, Nystrom Award, AAG Enhancing Diversity Award, Harold M. Rose Award for Anti-Racism in Research and Practice, AAG Stanley Brunn Award for Creativity in Geography, AAG Globe and Meridian Book Awards, 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:

John S. Adams	William E. Grugin
Marvin Baker, Jr.	Truman A. Hartshorn
Paul R. Baumann	Donald Janelle
Ruth C. Bergman	C. Gregory Knight
Stephen S. Birdsall	David R. Lee
Lawrence A. Brown	Jonathan J. Lu
Catherine B. Carlston	Peter O. Muller
Kevin R. Cox	James L. Newman
John Dietz	Richard L. Nostrand
Mark M. Domowne	Wallace E. Reed
Wakefield Dort, Jr.	Donald A. Schuder
Roy J. Fletcher	Barry M. Steinberg
Susan Forbes	Bryan Thompson
Peter Goheen	

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

SATURDAY, APRIL 13 • 2:00 PM - 3:40 PM • 5400**2:00 p.m. - 3:40 p.m.****5402. The multiple geographies of policy mobility 2: Social-cultural policy mobilities (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)****Room:** *Beaudry B. Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Ian Cook; Cristina Temenos, Simon Fraser University

CHAIR(S): Tom Baker, University of Newcastle, Australia

2:00 Sergio Montero*, UC Berkeley, *Constructing Bogotá's Ciclovía: From Urban Experiment to International "Best Practice"*.**2:20** Christopher Lizotte*, University of Washington, *Fast money, fast policy: Philanthropy's role in selecting and moving urban policies*.**2:40** Helen F Wilson*, University of Manchester, *The geographies of policy mobility: tackling urban violence through community intervention*.**3:00** Laura A. Wenz*, University of Münster, *Win me! Mutating Governance through International Accolades*.**3:20** Fabien BARTHELEMY*, *Artists Moving in Europe: Culture of Mobility and Cultural Mobility Policies*.**5403. Agriculture Under Reconstruction****Room:** *La Brea, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Adam Romero, University of California Berkeley

2:00 Joseph Guttman*, University of Tennessee-Knoxville, *Examining the Role of the Impermanence Syndrome on the Decline of Apple Acreage in the Shenandoah-Cumberland Valley Fruit District*.**2:20** Jeff Andresen*, Michigan State University, *Useful to Usable (U2U): Transforming Climate Variability and Change Information for Cereal Crop Producers*.**2:40** Flavia Echanove, Dr.*, Geography Institute, UNAM, *Subsidies for Grain Producers in Mexico: The Risk Prices Program*.**3:00** Elizabeth McDaniel, Masters of Science in Geography Student*, Texas State University, *Central Texas Farm Sustainability during the 2011 Drought*.**3:20** Adam Romero*, University of California Berkeley, *Working Graveyard - The Buoyant Dance of Citrus, Cyanide, and Capital in Southern California (1886-1945)*.**5404. Arid Lands and Wind****Room:** *La Cienega, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Julie Rich, Weber State University

2:00 Junran Li*, University of California, Los Angeles (UCLA); Gregory S Okin, University of California, Los Angeles (UCLA); Thomas H Painter, Jet Propulsion Laboratory, California Institute of Technology, *Predicting the threshold of wind-driven soil movement using the characteristics of spectral reflectance*.**2:20** John Andrew Jolly-Ballantine*, University of Connecticut; Richard L. Reynolds, Ph.D., U.S. Geological Survey; James S. King, Ph.D., School of Geography and the Environment, University of Oxford, South Parks Road, Oxford, U.K.; Gary Clow, Ph.D., U.S. Geological Survey, *Meteorological and surface conditions associated with dust events in the Mojave Desert*.**2:40** Manzhou Yu*; Qunying Huang; Chaowei Yang; Jizhe Xia, *Effects of Soil Moisture Initialization on Dust Storm Forecasting Model*.**3:00** Mbongowo J Mbuh, PhD candidate*, George Mason University; Paul Houser, PhD, George Mason University; Robert Pavlowsky, PhD, Missouri State University; Jeffrey Lee, PhD, Texas Tech University, *Geomorphology and Human Drivers of Dust Source Prediction on the Southern High Plains of Texas and Eastern New Mexico With Modis Imagery and Logistic**Regression Models*.**3:20** Julie Rich, Ph.D.*, Weber State University, *Late Quaternary lunette dune accumulation on the Southern High Plains, USA and implications for past climate*.**5406. Spatiotemporal Thinking, Computing and Applications 13: Transportation (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Transportation Geography Specialty Group)****Room:** *Los Feliz, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Chaowei Yang, George Mason University; Weihe Wendy Guan, Harvard University

CHAIR(S): Qisheng Pan, Texas Southern University

2:00 Won Do Lee, Ph. D. Candidate.*, Kyung Hee University; Chansoo Kim, Dr., Korea Institute of Science and Technology; Miyoung Bin, Dr., Gyeonggi Research Institute; Chang-Hyeon Joh, Associate Prof., Kyung Hee University, *Exploring public transportation user's behavior : By analyzing smart-card (EB card) data of Gyeonggi Province, South Korea.***2:20** Weihe Wendy Guan, Dr.*, Center for Geographic Analysis, Harvard University; Fengjun Jin, Dr., Key Lab in Regional Sustainable development analysis and simulation, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Giovanni Zambotti, Center for Geographic Analysis, Harvard University; Jinguan Jiao, Key Lab in Regional Sustainable development analysis and simulation, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, *Spatial-Temporal Simulation of China's High Speed Rail Passenger Transportation System*.**2:40** Shan Jiang*, MIT; Joseph Ferreira, MIT; Marta C. González, MIT, *Inferring Human Activities by Mining Urban Destinations in Trajectory*.**3:00** Curtis J Denton*, University of Connecticut; Nicholas Lowmes, Ph.D., Department of Civil and Environmental Engineering, University of Connecticut; Jeffery P. Oseeb, Ph.D., Department of Geography, University of Connecticut, *A Web-based GIS for Measuring Equity in a Public Transportation Systems*.**3:20** Ruihong Huang*, Northern Arizona University, *An Agent-Based Model for Transit-Facilitated Accessibility Simulation*.**5408. Post-Welfare Cities in the Nordic World****Room:** *San Bernardino, Westin, Lobby Level* (Panel Session)

ORGANIZER(S): Guy Baeten; Anders L Hansen, Lund University

CHAIR(S): Lawrence D. Berg, University of British Columbia

Panelists: Edward H. Huijbens, Icelandic Tourism Research Centre; Guy Baeten; Henrik Gutzon Larsen, University of Aalborg; Johan Pries, History Department, University of Lund, Sweden

5409. Map Design and Neocartography III (Sponsored by Cartography Specialty Group)**Room:** *San Fernando, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Kenneth Field, Esri

CHAIR(S): Kenneth Field, Esri

2:00 Victoria E E Loughlan*, University of Edinburgh, *Mapping Mapping: the politics of cartographic imagination in UN Peace Operations*.**2:20** Gary Huffman*, MGIS Student at Penn State University, *Using Natural Language Processing Tools to Perform Spatial Searches of OpenStreetMap data in ArcGIS*.**2:40** Seonggook Moon*, Ph.D student, Kyung Hee University; Chul-sue Hwang, professor, Kyung Hee University, *Effect of Spatial Distribution on Change Detection in Animated Choropleth Maps*.**3:00** John V Clary*, The University of Texas at Austin, *Models*

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for Mapping Electronic Communication: A Personal Case.

5410. Contest/ed Scenes and Spaces: Exposing Cultural Infrastructures 2 (Sponsored by Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group)

Room: *San Gabriel A, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Chris Gibson, University of Wollongong; Lizzie Richardson, Durham University

CHAIR(S): Chris Gibson, University of Wollongong

2:00 Lizzie Richardson*, Durham University, *Liminal creative spaces: the productive instability of performance poetry in Bristol*.

2:20 Jonathan F Croose, PhD student*, University of Exeter, *The Practices of Carnival: Community, Culture and Place*.

2:40 Susan Fitzpatrick*, University of Strathclyde, *The strange multiplicity of cultural infrastructures: Some reflections on Liverpool Capital of Culture and its 'Creative Communities'..*

3:00 Rupert J Griffiths*, Royal Holloway University of London, *Reimagining the Margins - the work of photographer Stephen Gill*.

3:20 Gradon Jay Diprose*, Victoria University, Open Polytechnic, *Policing Art: the political potential of creative practices*.

5412. Black Marxism 30 Years On: Theorizing Racial Capitalism (2nd of 2 sessions)

Room: *San Gabriel C, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Neil Agarwal, CUNY Graduate Center; Annie Spencer, City University of New York (CUNY) Graduate Center

CHAIR(S): Arun Saldanha, University of Minnesota - Minneapolis

2:00 Caroline Bressey*, UCL, *Black radicalism and art in interwar London*.

Discussant(s): Laura Y. Liu, The New School; Cindi Katz, CUNY Graduate Center

5413. Topics in Historical GIS

Room: *San Pedro, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): David J. Butler, University of Limerick (UL), Ireland

2:00 Emily E Clark*, Emory University; Michael C Page, Emory University, *Creating Historical Geodatabases: Modeling Atlanta*.

2:20 Jennifer Glaubius*, University of Kansas, *Factors Related to the Spatial Patterning of Desertion and Resettlement in Venetian Vostizza*.

2:40 Peter Koby*, Penn State University, *"Sugar of All Sorts? Clayed & Refined": Historical GIS and the Landscape of Sugar in Colonial Barbados*.

3:00 Kai Cao*, University of Pittsburgh; Patrick Manning, University of Pittsburgh, *A Spatial-Temporal Prototype Archive of CHIA Project*.

3:20 David J. Butler*, University College Cork (UCC), Cork, Ireland, *'A most difficult assignment': Mapping the emergence of Jehovah's Witnesses in Ireland*.

5416. Interrogating Conventional Geopolitics of the Middle East (Sponsored by Political Geography Specialty Group, Middle East Specialty Group, Socialist and Critical Geography Specialty Group)

Room: *Santa Anita C, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Karen Culcasi, West Virginia University; Luke Struckman, Carleton University

CHAIR(S): Karen Culcasi, West Virginia University

2:00 Karen Culcasi*, West Virginia University, *Cartographies of nation building: Creating and contesting the Egyptian geobody*.

2:20 Ron J Smith, Ph.D.*, West Chester University, *"A danger to the region": subaltern geopolitics of Palestinians detained in Israeli prisons..*

2:40 Tristan Sturm*, York University, *Religious Geopolitics of Palestinian Christianity: Palestinian Christian Zionists, Palestinian Liberation Theologists, and American Missions to Palestine*.

3:00 Christine Leuenberger*, Cornell University, *The Geopolitics of Maps: Constructing Israel-Palestine across Various International Newspapers Online*.

3:20 Luke Struckman*, Carleton University, *Is It All Dominoes, Democracy and Orientalism?: Towards an American Geopolitics of the Arab Uprisings*.

5417. Community Geography Teaching and Research: A Discussion among Professors and Students about the Opportunities and Tensions of Community Engaged Scholarship 3 (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: *Santa Barbara A, Westin, Lobby Level* (Panel Session)

ORGANIZER(S): Jonnell Robinson, Syracuse University;

Amanda Rees, Columbus State University

CHAIR(S): Timothy Hawthorne, Georgia State University

Discussant(s): Matthew W. Wilson, University of Kentucky

Panelists: Jennifer B Alford, The university of north Carolina Greensboro; Tom Torres

5419. Immigrant Identities and Space (1) (Sponsored by Ethnic Geography Specialty Group)

Room: *Santa Barbara C, Westin, Lobby Level* (Paper Session)

ORGANIZER(S): Elizabeth Chacko, The George Washington University; David Kaplan, Kent State University

CHAIR(S): David Kaplan, Kent State University

2:00 Elizabeth Chacko*, The George Washington University, *Identity Formation and Negotiation: Asian Indians in the Washington Metropolitan Area*.

2:20 Margaret W Walton-Roberts, PhD*, Wilfrid Laurier University, *Shopping for citizens: International students and identity formation*.

2:40 Weronika A Kusek*, Kent State University, *Young Polish Professional Migrants to London, UK*.

3:00 Kathy Burrell*, University of Liverpool, *Materialising Place and Space in the Migration Experience*.

3:20 Frederick Douzet*, French Institute of Geopolitics, University of Paris 8; Jeremy Robine, French Institute of Geopolitics, University of Paris 8, *« Chicago », the « bled », the « ghetto » and other metaphors. Neighborhood Effects on the Immigrant Youth Experience*.

5420. Aviation Geography

Room: *Sacramento, Westin, Level 2* (Paper Session)

ORGANIZER(S): Ramin Zamanian, Oklahoma State University

CHAIR(S): Ramin Zamanian, Oklahoma State University

Introducer: Ramin Zamanian

2:02 Katherine Mentzel*, Oklahoma State University, *Negotiating the Practice of Islam in U.S. Airports*.

2:22 Alan D Meyer, Ph.D.*, Auburn University, *Small- to Medium-Sized Airports as Masculine Spaces in Post-World War II America*.

2:42 Ramin David Zamanian*, Oklahoma State University, *A Spatial Look at Community and Institutional Perceptions and Discourses on Sustainable Airport Development in Massachusetts*.

Discussant(s): Peter Adey, Royal Holloway, University of London

5423. Coastal Geomorphology (Sponsored by Coastal and Marine Specialty Group, Geomorphology Specialty Group)

Room: *San Jose, Westin, Level 2* (Paper Session)

ORGANIZER(S): Brandon L Edwards, Louisiana State University

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CHAIR(S): Katherine Renken, Louisiana State University

2:00 Sarah M Trimble*, Master's Candidate, *Coupling of Backbarrier Shoreline Shape to Morphological Processes*.

2:20 Elizabeth Rentschlar*, Texas A&M University, *Examining Biogeomorphic Models of Vegetation Recovery*.

2:40 Martin Lafrenz*, Portland State University; Catherine de Rivera, Portland State University; Sarah Eppley, Portland State University, *Soil Changes Following Dike Removal: Implications for the Effects of Sea Level Rise*.

3:00 Phillip Schmutz*, Louisiana State University; Steven L Namikas, Louisiana State University, *Influence of Sediment Texture on Surface Moisture Content above an Oscillating Water Table*.

3:20 Junior Darsan*, Institute of Marine Affairs, *Assessing the Equilibrium Status of Beaches in Trinidad, W.I.*

5425. Whose space, whose right: Framing perceptual views (Sponsored by Disability Specialty Group)

Room: Emerald Bay, Westin, Level 3 (Paper Session)

ORGANIZER(S): Leonor Vanik, UIC-Chicago

CHAIR(S): Leonor Vanik, UIC-Chicago

Introducer: Leonor Vanik

2:05 Mee-Kam Ng*, The Chinese University of Hong Kong, *Asset Based Community Development (ABCD): First Step to the "Right to the City"?*

2:20 Lyusyena Kirakosyan*, Virginia Tech, *Conceptions of Justice and Citizen Responsibility: Insights from São Paulo, Brazil*.

2:35 Leonor Vanik*, University of Illinois - Chicago, *Mine, Yours, Theirs: Juxtaposing space within a Disability frame*.

2:50 Mark A Castrodale*, University of Western Ontario; Mark A Castrodale, University of Western Ontario, *Theorising inclusionary and exclusionary spaces using Foucault and Lefebvre*.

Discussant(s): Mark A Castrodale

5426. Politics and Political Economies in the Arctic (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group)

Room: Hollywood Ballroom, Westin, Level 3 (Paper Session)

ORGANIZER(S): Andrey Petrov, University of Northern Iowa; Timothy Heleniak, American Geographical Society

CHAIR(S): Timothy Heleniak, American Geographical Society

2:00 Lassi Heininen*, University of Lapland, Finland, *(New) Arctic Geopolitics - back to national approach, or toward global cooperation?*

2:20 Alicia Davis*, University of Colorado, Boulder, *"Red Sheep Creek? where politics, bureaucracy, and meme's collide. A case study of traditional ecological knowledge in natural resource management in Alaska."*

2:40 Kevin Hillmer-Pegram*, University of Alaska Fairbanks, *The Future of Arctic Tourism in the International Political Economy: A Sea Ice System Services Approach*.

3:00 Mark T Burnett, PhD*, Mount Royal University, *National Identity and the Geopolitics of the Circumpolar North*.

Discussant(s): Natalia Loukacheva, University of Akureyri

5427. Environmental Justice Research: Contemporary Issues and Emerging Topics III (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Health and Medical Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)

Room: Santa Monica A, Westin, Level 3 (Paper Session)

ORGANIZER(S): Jayajit Chakraborty, University of South Florida; Timothy Collins, University of Texas - El Paso

CHAIR(S): Sara Grineski, University of Texas at El Paso

2:00 Hamil Pearsall*, Temple University; Joseph Pierce, Ph.D., Florida State University, *Methodological questions in American urban environmental justice research: What about procedural justice?*

2:20 Bjorn Sletto*, University of Texas at Austin, *Environmental Justice, Neoliberal Governance and Critical Pedagogy in Santo Domingo, Dominican Republic*.

2:40 Eric Carter*, Macalester College, *Nature, Place, and Networks in Environmental Justice Organizing in Latino Communities of Los Angeles, California*.

3:00 Tracy Perkins, M.S., M.A.*, UC Santa Cruz, *Climate Justice Advocacy in the Global North: A Case Study from California*.

3:20 Ellen Kersten*, UC Berkeley; Rachel Morello-Frosch, PhD, MPH, UC Berkeley; Manuel Pastor, PhD, University of Southern California; Marlene Ramos, Columbia University, *Facing the Climate Gap: The role of qualitative research for evaluating climate change impacts and solutions*.

5429. Post-colonial Urbanisms: African connections and innovations III: A Discussion (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Africa Specialty Group)

Room: Santa Monica C, Westin, Level 3 (Panel Session)

ORGANIZER(S): Léonie Newhouse, University of Washington; Jesse McClelland, University of Washington

CHAIR(S): Jesse McClelland, University of Washington

Discussant(s): Garth Myers, Trinity College

Panelists: Martin J. Murray, Taubman College of Architecture and Urban Planning; Edgar Pieterse, African Centre for Cities, University of Cape Town

5430. Political ecology across the rural-urban divide III: Rural-urban linkages (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Santa Monica D, Westin, Level 3 (Paper Session)

ORGANIZER(S): Colleen Hiner, UC Davis; Innisfree Mckinnon, University of Oregon

CHAIR(S): Innisfree Mckinnon, University of Oregon

2:00 Marnie Graham*, Macquarie University & Stockholm University, *(Re)Negotiating Nature on the Geographic Urban Fringe*.

2:20 Daniel Warshawsky*, University of Southern California, *The Agri-FoodBank and the Urban-Rural Continuum in South Africa*.

2:40 Jennifer K Sedell*, University of California, Davis, *The bug stops here: resisting the control of agricultural pests in non-agricultural areas*.

3:00 Sean Gillon*, University of Wisconsin - Madison, *The industrialization of a watershed: agriculture, urbanization, and the co-production of urban/rural space*.

Discussant(s): Trina Filan, University of Lethbridge

5436. Urbanization, Climate Change, and Public Health - A Remote Sensing Perspective (III) (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Qihao Weng, Indiana State University; Bing Xu

CHAIR(S): Huiran Jin, SUNY ESF

2:00 Zhenyu Jin*, Geography Department, University of Utah; College of Global Change and Earth System Science, Beijing Normal University, Beijing 100875, China; Bing Xu, College of Global Change and Earth System Science, Beijing Normal University, Beijing 100875, China; Department of Geography, The University of Utah, Salt Lake City, UT 84112, USA, *RMMEH ? a*

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novel compound smoother to reconstruct MODIS NDVI time-series and Its Application.

- 2:20** Xiaolu Li*, University of Minnesota; Xinyi Zhao, Dr., Peking University, *Spatial Patterns of Surface Air Temperature and Their Relationship with Land Cover in Shenzhen, Southeast China.*
- 2:40** Jefferey Sellers*, University of Southern California; Jingnan Huang, Wuhan University School of Urban Design; Uttam Kumar, Indian Institute of Science, Bangalore; T. V. Ramachandra, Indian Institute of Science, Bangalore, *Comparing Urban Land Expansion in a Chinese and an Indian City Region.*
- 3:00** Huiran Jin*, SUNY ESF; Giorgos Mountrakis, SUNY ESF, *Integration of urban growth modeling products to image-based urban change analysis.*

5437. Imaging Intersectional Feminist Geographies: Beyond Privileging Gender (Sponsored by Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group)

- Room:* Laguna Parlor 3048, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Jill Williams, Clark University; Marina Islas, University of Texas at Austin
CHAIR(S): Heidi J. Nast, DePaul University
- 2:00** Leticia Garcia*, San Diego State University, *The Social Construction of Urban Garden Space as a Site for Antiracist Struggle.*
- 2:15** Maura Pavalow*, University of Exeter; Malcolm Shanks*, *"I Want to Make White People FEEL White": Experimenting with "Becoming-Intersectional" Praxis.*
- 2:30** Yvette Taylor, PhD, London South Bank University; Ria Snowden, PhD*, London South Bank University, *Queer Religious Youth: An Intersectional Analysis.*
- 2:45** Nicole Laliberte*, Pennsylvania State University, *In Pursuit of a Monster: Joseph Kony and imaginaries of difference.*
- 3:00** Hyunjo Jung*, Seoul National University, South Korea, *Intersectionality in Transnational Spaces: Becoming Transmigrants in Seoul.*
- 3:15** Kendra Strauss*, University of Cambridge, *Intersections... of what? Mobilising categories and concepts in research on work, employment and the lifecourse.*
- Discussant(s): Sharlene Mollett, Dartmouth College; Tiffany Muller Myrdahl, University of Lethbridge

5439. Frontiers of Spatial Autocorrelation (Sponsored by Spatial Analysis and Modeling Specialty Group)

- Room:* Laguna Parlor 3068, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Daniel A Griffith, University of Texas - Dallas; Yongwan Chun, The University of Texas at Dallas
CHAIR(S): Yongwan Chun, The University of Texas at Dallas
- 2:00** Arthur Getis*, San Diego State University, *From the Correlation Coefficient to the Frontiers of Correlation Analysis: A Short History of.*
- 2:20** Parmanand Sinha*, UT Dallas; Monghyeon Lee, University of Texas at Dallas; Yongwan Chun, University of Texas at Dallas; Daniel A Griffith, University of Texas at Dallas, *Statistical Consistency of Eigenvector Spatial Filter Estimators.*
- 2:40** Sang-Il Lee*, Seoul National University; Daeheon Cho, Seoul National University, *Delineating the Bivariate Spatial Clusters: A Bivariate AMOEBA Technique.*
- 3:00** Steven Farber*, University of Utah; Jesus Mur, University of Zaragoza; Manuel Ruiz, Polytechnic University of Cartagena, *Finding a Needle in a Haystack: the Problem of Dense Weight Matrices in Spatial Econometric Models.*
- 3:20** Wenying Fan*, Department of Geography, Queen's University; Dongmei Chen, Department of Geography, Queen's University, *A Methodology for Connecting Spatial Autocorrelation Analysis and Model Selection*

in Spatial Epidemiological Studies at the Urban Scale.

5440. The Current State of Migration in Europe (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Political Geography Specialty Group, European Specialty Group)

- Room:* Malibu Parlor 3018, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Stephanie Wilbrand, University of Girona; Kara Dempsey, DePaul University
CHAIR(S): Kara Dempsey, DePaul University
- 2:00** Michelle Brym, PhD*, the University of Central Oklahoma, *The Influence of International Employment Agencies on Economic Migration in Europe.*
- 2:20** Stephanie Wilbrand*, University of Girona, *Labor-based immigration in the tourism sector in Spain.*
- 2:40** Catherine Cottrell*, University of South Carolina, *Go West, Young Man: Intra-European Migration of Estonian Youths and Perceptions of Opportunity.*
- 3:00** Malene Herschend Jacobsen*, University of Kentucky, *The Danish Asylum System - What Happened to Humanism?.*
- Discussant(s): Micheline Van Riemsdijk, University of Tennessee

5441. Biogeography

- Room:* Malibu Parlor 3038, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Nathan Mietkiewicz, Clark University
- 2:00** Lynn Resler*, Virginia Polytechnic Institute & State University; Yang Shao, Virginia Tech; Emily K. Smith-McKenna, Virginia Tech; Diana F. Tomback, University of Colorado-Denver; George P. Malanson, University of Iowa, *Factors predicting geographic variation in whitebark pine occurrence and tree island position at three North American treelines.*
- 2:20** Yang Shao*, Virginia Tech; Lynn Resler, Virginia Tech, *Machine learning approaches for the prediction of whitebark pine occurrence and tree island position at three North American treelines.*
- 2:40** Aquila Flower, MSc*, University of Oregon; Daniel G. Gavin, PhD, University of Oregon, *Interactions between western spruce budworm outbreaks and wildfires in the interior Pacific Northwest: a multi-century dendrochronological record.*
- 3:00** Renee Huset*, Syracuse University, *Understanding the emerald ash borer in New York State: A GIS-based approach to predicting regional susceptibility.*
- 3:20** Nathan Mietkiewicz*, Clark University; Dominik Kulakowski, Ph.D., Clark University; John Rogan, Ph.D., Clark University, *Lagged relationship of bark beetle infestation and wildland fire events across the western United States.*

5442. Climatology

- Room:* Malibu Parlor 3058, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Sarah M Harris, The University of California; Santa Barbara
- 2:00** Wesley Skeeter*, Salisbury University, *Using Radar Composites Created in Model Builder to Perform Statistical Analyses of Cold Frontal Precipitation Events in the Chesapeake Bay Region: April through October 1997 - 2011.*
- 2:20** Josh Durkee*, Western Kentucky University, *Precipitation characteristics of subtropical South American persistent elongated convective systems.*
- 2:40** Peng Gao*, Department of Geography, University of South Carolina; Gregory J. Carbone, Department of Geography, University of South Carolina; Dan L. Tufford, Department of Biological Sciences, University of South Carolina; Aashka Patel, Department of Geography, University of South Carolina; Lauren F.

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Rouen, Department of Geography, University of South Carolina, *Assessing methods to disaggregate daily precipitation for hydrological simulation.*

- 3:00** Steve LaDochy*, California State University Los Angeles; Dan Killam, Univ. of Southern California; Ann Bui, Cal Poly Pomona; Pedro Ramirez, California State Univ., Los Angeles; William Patzert, Jet Propulsion Laboratory, NASA; Josh Willis, Jet Propulsion Laboratory, NASA, *Precipitation trends in a warming California.*

- 3:20** Sarah M Harris*, The University of California, Santa Barbara; Leila M. V. Carvalho, Ph.D., Department of Geography, and Earth Research Institute, University of California, Santa Barbara, Santa Barbara, California; Charles Jones, Ph.D., Earth Research Institute, University of California, Santa Barbara, Santa Barbara, California, *The variation and modulation of extreme precipitation in Santa Barbara on multiple timescales.*

5443. Gender and Sexuality

Room: Malibu Parlor 3078, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Tamar Rothenberg, Bronx Community College of the City University of New York

- 2:00** Vidyamali Samarasinghe, Professor*, School of International Service, American University, *"We are all feminists" Situating global anti-sex trafficking policy between opposing feminist viewpoints.*

- 2:20** Doreen J. Mattingly, PhD*, San Diego State University, *"Washington Feminism" in the late 1970s: The role of local networks in shaping a national agenda for women's economic equity.*

- 2:40** Darel E Paul*, Williams College, *Class, family, and the electoral geography of same-sex marriage.*

- 3:00** Melis Oguz*, Istanbul Technical University, *Urban Organism and Female Body: Beautification, Conservation, Perverseness.*

- 3:20** Grace Adeniyi Ogunyankin*, York University, *"Dancing without Drums": Using Maternalism as a Political Strategy to Critique Neoliberalism in Ibadan, Nigeria.*

5444. Activist Spaces / National Traces in Latin America (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)

Room: Malibu Parlor 3118, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Jennifer Baca, University of California

Berkeley; Diana Negrin, UC Berkeley

CHAIR(S): Jennifer Baca, University of California Berkeley

- 2:00** Jennifer Baca*, University of California Berkeley, *Pulp Friction: Conflict, Criminalization and the Nation in Chilean Forestry.*

- 2:20** Diana Michelle Negrin*, UC Berkeley; Diana Michelle Negrin, UC Berkeley, *Wixárika Activism Across the Margins.*

- 2:40** Ma Iracema Gavilan, Cultural Geographer, Activist*, National Autonomous University of Mexico, *Counter-geographies and community citizenship in the Ecuadorian Andes.*

- 3:00** Nicholas Jon Crane*, The Ohio State University, *Tlatelolco, the 'repressive' state, and young people's politics in Mexico City.*

Discussant(s): Diana Negrin, UC Berkeley

5445. GIS Knowledge Construction in Non-Western Contexts

Room: Malibu Parlor 3138, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Falguni Mukherjee, Sam Houston State University

CHAIR(S): Falguni Mukherjee, Sam Houston State University

- 2:00** Milap Punia, Dr. Centre for the Study of Regional Development, Jawaharlal Nehru University; MILAP PUNIA*, Jawaharlal Nehru University, *Spatial Aspects*

of Governance for Decentralised Local Bodies in India.

- 2:20** Ishita Roy*, Ishita Roy, Research Scholar, Jawaharlal Nehru Technological University Hyderabad; M Anji Reddy, Dr. Jawaharlal Nehru Technological University Hyderabad, *A Perspective analysis on Environmental Health using Geographical Information System Sciences. (GIS).*

- 2:40** Sami Eria, PhD*, Environmental Systems Research Institute (ESRI); University of Minnesota, *The Potential for Location-Based Services in Developing Countries: A Diffusion Analysis of Uganda.*

- 3:00** Ahmad BinTouq*, UAE University, *GIS Implementation and Capacity Building Within the UAE Government and Government Related Enterprises (GRE).*

- 3:20** Falguni Mukherjee*, Sam Houston State University, *GIS for E - Planning in India.*

5446. Food Scarcity and Regional Effects

Room: Malibu Parlor 3158, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Melissa J. Rura, UMNC

CHAIR(S): Carol Atkinson-Palombo, University of Connecticut

- 2:00** Laurel Bellante*, *Shifting Foodscapes, Shifting Discourse: Alternative Food Networks in Chiapas, Mexico.*

- 2:20** John O Odihi*, Universiti Brunei Darussalam, *Famine in the Nigerian Food Basket: Extent, causes and Solution.*

- 2:40** Kristina Bishop*, University of Arizona, *Food Harvesting in the Desert Southwest.*

- 3:00** Tobi McDonald, Arizona State University; Deborah Ayodele*, Arizona State University, *Land Grabs - Smart Investment or Unethical Practice?.*

- 3:20** Carol Atkinson-Palombo*, University of Connecticut, *Theorizing Land Grabs: What Kind of Development.*

5447. Human-Environment Geographies

Room: Malibu Parlor 3178, Westin, 31st Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jairus Rossi, University of Kentucky

- 2:00** Michael Cline, PhD*, Hobby Center for the Study of Texas at Rice University; Steve H Murdock, PhD, Hobby Center for the Study of Texas at Rice University; Brian Bohnsack, PhD, U.S. Fish and Wildlife Service; Richard Aiken, PhD, U.S. Fish and Wildlife Service, *Where are all the hunters? The Implications of Demographic Change on Future Participation in Outdoor Recreational Activities.*

- 2:20** Angel Pita-Duque*, Universidad Autonoma Chapingo, Mexico, *The maize system diversity in the eastern foothills of the Sierra Nevada, Mexico.*

- 2:40** Jeff DeGrave*, University of Wisconsin-Eau Claire, *Microturbines in Rio Negro, Honduras: Mapping a Landscape of Empowerment and Marginalization.*

5450. Agent-Based & Cellular Automata Models for Geographical Systems 3: Applications (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Angeleno, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Andrew Crooks, George Mason University; Amit Patel

CHAIR(S): Andrew Crooks, George Mason University

- 2:00** Bianica Pint*, George Mason University; Andrew Crooks, George Mason University, *The Impact of a Slum's Social Dynamics and Geospatial Landscape on the Emergence of Riots: The Case of Kibera.*

- 2:20** Ali Afshar Dodson*, YCCSA, *Simulating Social Segregation.*

- 2:40** Rongxu Qiu*, University of Lethbridge; Wei Xu; Shan Li, *Agent-based simulation of the spatial diffusion of tourist flow.*

- 3:00** Sarah Wise*, George Mason University, *Hotspots:*

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Simulating the 2012 Colorado Wildfires.

- 3:20** Majeed Pooyandeh*, University of Calgary; Danielle J. Marceau, University of Calgary, *A web/agent-based model to simulate the negotiation process of stakeholders in the Elbow River watershed in Alberta.*

5451. Change and Continuity; the Place of Community in Transition (Session 1)

Room: Bunker Hill, The LA Hotel, Level 2 (Paper Session)

- ORGANIZER(S): Peter R.H. Wood, The Open University; Adonia E Lugo, University of California, Irvine
CHAIR(S): Sarah McCullough, UC Davis
2:00 John Garrard Stehlin*, University of California, Berkeley, *"White Lanes": "Livability," Gentrification, and the Mainstreaming of Cycling in the San Francisco Bay Area.*
2:20 Nick Dunn, Dr.*, Manchester School of Architecture, *Networked Communities: Urban Transition and Practices of Resistance.*
2:40 Annalies Teernstra*, University of Amsterdam, Amsterdam Institute for Social Science Research, *Gentrify it yourself? Neighborhood upgrading as a result of citizen participation.*
3:00 Nina Vogel*, Aalborg University, *Urban niches for sustainable transition? A scenario approach for long term alternatives..*
3:20 Peter R.H. Wood*, The Open University, *Love will tear us apart; can mutual experiences of cycling create urban communities which bridge geo-demographic divides?.*

5454. New water geographies: explaining flows of real and virtual water (Sponsored by Asian Geography Specialty Group, Water Resources Specialty Group)

Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)

- ORGANIZER(S): Daanish Mustafa, King's College, London
CHAIR(S): Alex Loftus, King's College London
2:00 Nuttavikhom Phanhuwongpakdee*, King's College London, *Understanding Bangkok Metropolitan Region's Hazardscape: Towards Alternative Responses and More Resilient Recovery.*
2:20 Marta Antonelli*, King's college london, *"Political economy of food-water security in the Middle East and North African region".*
2:40 Francesca Greco*, King's College London, *Adding An Historical Perspective to Virtual Water Flows: Hydro Metabolism And the History of Virtual Water.*
3:00 Ayesha Siddiqi*, King's College London, *Disasters as a trigger for political change: the Case of Southern Pakistan.*

5455. Climate Change and Indigenous Peoples I: Knowledge Systems and Adaptation (Sponsored by Human Dimensions of Global Change Specialty Group, Indigenous Peoples Specialty Group, Climate Change, Variability, Adaptation and Justice)

Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Paper Session)

- ORGANIZER(S): RDK Herman, National Museum of the American Indian
CHAIR(S): RDK Herman, National Museum of the American Indian
2:00 Jay T Johnson*, University of Kansas; Lara O'Brien, University of Kansas; Eugene C Rankey, University of Kansas; Tion Uriam, Ministry of Fisheries and Mineral Resources Development, Kiribati; Kambati Uriam, University of the South Pacific; Johannes Feddema, University of Kansas, *Learning from Indigenous science: I-Kiribati knowledge, awareness, and adaptation to environmental change.*
2:20 Frances Roberts-Gregory*, SOARS, *Ethnobotanical Conversations Along the Bayou: An exercise in Participatory Action Research blending Traditional Ecological Knowledge and Geospatial Information*

Systems in order to identify vulnerable plant species valued by southern Louisiana's coastal Native American tribes.

- 2:40** Randy Peppler*, University of Oklahoma; Laurel C. Smith, University of Oklahoma, *Visualizing climate change through the lens of Indigenous geographies.*
3:00 Pallavi V Das*, Lakehead University, Canada, *Launching People's History of Climate Change: Application to the context of the indigenous population in India.*
3:20 Neenah Estrella-Luna, MPH, PhD*, Northeastern University; Kim Foltz, Neighborhood of Affordable Housing, *Simulations of climate change adaption in environmental justice communities: preparing students for the real world.*

5456. Posthumanism, Method, and Materiality (Sponsored by Cultural and Political Ecology Specialty Group, Qualitative Research Specialty Group, Animal Geography Specialty Group)

Room: Highland, The LA Hotel, Level 2 (Panel Session)

- ORGANIZER(S): Monica Barra, CUNY Grad Center; Nathaniel Gabriel, Rutgers University
CHAIR(S): Eric Sarmiento, Rutgers University
Panelists: Jessica Lehman, University of Minnesota; Jacob Bull, Uppsala University; Leah M Gibbs, University of Wollongong; Mrill Ingram, University of Arizona

5457. Gender and Sexual Geographies of Blackness

Room: Hollywood, The LA Hotel, Level 2 (Paper Session)

- ORGANIZER(S): Rashad Shabazz, The University of Vermont
CHAIR(S): Rashad Shabazz, The University of Vermont
2:00 Christina Nicol Bazzaroni, M.A., Doctoral Student*, Florida International University, *Dangerous Zones of Intimacy: An Inquiry into Desire, Fetishization, and Love of Racialized Bodies.*
2:20 Lizbet Simmons, Ph.D.*, San Francisco State Univ; Lizbet Simmons, Ph.D., San Francisco State University, *Public Art in a War Zone: Rewriting the carceral script.*
2:40 LaToya Eaves*, Florida International University, *Queering the Body and Place: Identity and Community of Black Women in Appalachia.*
3:00 Aretina Hamilton*, University of Kentucky, *"Them That's Got": Spaces of Respectability Among Middle Class Black Lesbians.*
Discussant(s): Rashad Shabazz, The University of Vermont; Marlon M Bailey, Indiana University, Bloomington

5458. Metabolizing Nature: The Space-time Dimensions of Commodity Production I (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)

Room: Melrose, The LA Hotel, Level 2 (Paper Session)

- ORGANIZER(S): Elvin Delgado, Central Washington University
CHAIR(S): Elvin Delgado, Central Washington University
2:00 Nik Janos, Ph.D.*, California State University Chico, *Salmon in Seattle: The Contentious Politics of Flows of Nature and Commodities.*
2:20 Joshua Cousins*, University of Michigan; Joshua P. Newell, University of Michigan, *Transdisciplinary Pathways for Urban Metabolism Research.*
2:40 Keith Lee*, University of California, Berkeley, *Urban Food Metabolisms: Linking Urbanization, Food Consumption, and Food Waste Generation in East Asia.*
3:00 Enrique Lanz Oca*, CUNY, *Energy Landscapes: The Dematerialization of Nature.*
3:20 Jalel Sager*, Energy and Resources Group, University of California-Berkeley, *Structure and Flow: Global Institutions and Energy Price Regimes.*

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ORGANIZER(S): Trina Hamilton, SUNY - Buffalo; Jennifer Silver, The University of Guelph

CHAIR(S): Roberta Hawkins, University of Guelph

2:00 Brenda Parker*, University of Illinois At Chicago, *Selling Second-Hand: Possibility and Paradox in Ethical Exchange.***2:20** Roberta Hawkins*, University of Guelph, *Unveiling developmental consumption: Reflecting on research methods used to examine cause-related marketing initiatives.***2:40** Renee Bogin Curtis, MUS*, Portland State University; Renee Bogin Curtis, MUS, Portland State University, *Unpacking producer/ consumer relationships in ethical markets: a look at Portland's DIY sector.***3:00** Maria das Graças Brightwell, PhD*, Royal Holloway, University of London; Dorothea Kleine, PhD, Royal Holloway, University of London; Tomas Ariztia, PhD, Universidad Diego Portales; Roberto Bartholo, PhD, Universidade Federal do Rio de Janeiro; Rita Afonso, PhD, Universidade Federal do Rio de Janeiro; Nurjk Agloni, MA, Universidad Diego Portales, *Ethical consumers in the global South: the case of Chile and Brazil.*

Discussant(s): Trina Hamilton, SUNY - Buffalo

5460. Geographic Information Ethics and GIScience (Sponsored by Geographic Information Science and Systems Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**Room:** Olympic, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Rodolphe Devillers, Memorial University of Newfoundland; Francis Harvey, University of Minnesota - Minneapolis

CHAIR(S): Dawn Wright, Environmental Systems Research Institute

2:00 Nancy J Obermeyer, PhD*, Indiana State University, *From Accusation to Resolution: The GIS Certification Institute (GISCI) Ethics Process.***2:20** Rodolphe Devillers*, Memorial University of Newfoundland; Yvan Bédard, Laval University, Canada; Marc Gervais, Laval University, Canada, *We need to adopt more ethical practices for geographic information data and products dissemination.***2:40** Jacynthe Pouliot*, Université Laval - Geomatics Department; Marc Gervais, Université Laval - Geomatics Department; Yvan Bédard, Université Laval - Geomatics Department, *Ethical principles for the Geomatics professional community: A first edition of a statement of values.***3:00** Dara Seidl*, San Diego State University, *Patterns of Inadvertent Privacy Violations from VGI in the United States.*

Discussant(s): Francis Harvey, University of Minnesota - Minneapolis

5461. Geographies of Media XI: Media Technologies (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)**Room:** Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Joseph Palis, North Carolina State University; John Finn, Christopher Newport University

CHAIR(S): Joseph Palis, North Carolina State University

2:00 Torsten Wissmann*, Institute of Geography, University Mainz, *Guides in the Nowhere. The (Un)Importance of Place in Audio Guided City Tours.***2:20** Ken Hillis*, University of North Carolina - Chapel Hill, *H.G. Wells, Planetary Databases and Global World Brains.***2:40** Steven M. Radil*, Ball State University, *#Geopolitics: Social media and the production of geopolitical knowledge in Rwanda.***3:00** Dorothea J Kleine, PhD*, Royal Holloway, University of London, *Technologies, capabilities, and collective choice - Exploring sustainable state e-procurement.***5463. The Urban at a time of crisis (session 1) (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)****Room:** Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Antonios Vradis; Dimitris Dalakoglou, University of Sussex

CHAIR(S): Dimitris Dalakoglou, University of Sussex

2:00 Nuria Benach*, University of Barcelona; Andoni Egia, University of Barcelona, *Landscapes of the urban crisis in Barcelona.***2:20** Andrea Gibbons*, LSE, *Theory and crisis meet on the streets in LA's skid row.***2:40** Stelios Gkialis*, Hellenic Open University, Greece and UGA, Athens, USA; Lila Leontidou, Hellenic Open University; Andrew Herod, UGA, *'Flexicurity' politics and crisis in Southern EU member states and the Greek regions: critical theoretical arguments and empirical data on who bears the burden of devaluation.***3:00** Anna Gloria Goodman*, University of California, Berkeley, *Urban Crisis, Racial Politics and "Community Commons," 1960s and Today.***3:20** Ayda Melika*, University of California, Berkeley, *Political Landscape of Memory: Socio-Spatial Practices in Crisis-ridden Tehran.***5464. Pyrogeography: Spatio-Temporal Variability in Fires and Fire Regimes (Sponsored by Biogeography Specialty Group)****Room:** Pico, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Andrew D Pierce, University of Hawai'i

CHAIR(S): Andrew D Pierce, University of Hawai'i

2:00 Christopher Labosier*, Texas A&M University, *Air Mass and Synoptic Classification of Wildfire Activity in the Southeastern US.***2:20** Andrew D Pierce, Ph.D.*, University of Hawai'i; Alan H. Taylor, Pennsylvania State University, *Fire suppression in southern Cascades forests: developing a framework to test the hypothesis of suppression induced changes to forest structure and fire severity.***2:40** Melanie Stine*, Texas State University-San Marcos, *Geomorphic and Ecologic Patterns after Fire within the Alpine Treeline Ecotone.***3:00** Jacob Bendix*, Syracuse University; John J. Wiley, Jr., SUNY College of Environmental Science and Forestry; Michael G. Commons, Syracuse University, *A Model of Fire History's Impact on Changing Patterns of Biodiversity.***3:20** Andres Holz*, School of Plant Science, University of Tasmania, Hobart, Australia; James Risbey, CSIRO Marine and Atmospheric Research, Hobart, Australia; Thomas T. Veblen, Department of Geography, University of Colorado, Boulder, CO; Sam Wood, School of Plant Science, University of Tasmania, Hobart, Australia; David Bowman, School of Plant Science, University of Tasmania, Hobart, Australia, *Interannual fire-climate teleconnections across the southern temperate latitudes.***5470. Population and Change: Urban and Rural Geographies****Room:** Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lola Gulyamova

2:00 Elisabeth Gruber*, University of Vienna, *How to deal with decline? Examples from Austria on how regions challenge population decrease..*

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2:20 Benjamin Ofori-Amoah*, Western Michigan University, *Traverse City - A Study of Growth and Change in a Micropolitan Area.*

2:40 Lola Gulyamova, Dr*, Department of Geography National University of Uzbekistan, *Uzbekistan on the Paths of Urbanization: Trends and Main Features.*

5471. Cities, Transportation and Sustainability III: Applications and Implementation (Sponsored by Global Urbanization, Urban Geography Specialty Group, Transportation Geography Specialty Group)

Room: *Bernard's, Biltmore, Lobby Level (Paper Session)*

ORGANIZER(S): Andrew Jonas, University of Hull; Andrew Goetz, University of Denver

CHAIR(S): Andrew Goetz, University of Denver

2:00 Mairead De Roiste*, Victoria University of Wellington; Toby Daglish, Dr, ISCR, Victoria University of Wellington; Yigit Saglam, Dr, SEF, Victoria University of Wellington; Richard Law, ISCR, Victoria University of Wellington, *Accessibility, commuting and the car ownership decision.*

2:20 Kyeongsu Kim*, CUNY Graduate Center, *Can Carsharing Be a Good Alternative For Mobility Enhancement In Marginalized Urban Neighborhoods? Experience From a Vehicle Utilization Pattern In NYC.*

2:40 Muhammad Amirruddin Haji Abdullah*, University of Hull, *Bruneians and the Bus: the challenge of promoting sustainable transportation in a society wedded to the car.*

3:00 E. Eric Boschmann*, University of Denver, *Older adults and sustainable travel behaviors: Changes in the Denver, Colorado metropolitan area between 1997 and 2009.*

3:20 Bin (Owen) Mo*, LACMTA, *Web Mapping Metro Rail Services in Los Angeles County.*

5472. Political Ecologies of Environmental Governance in Mexico

Room: *Cordoban, Biltmore, Mezzanine Level (Paper Session)*

ORGANIZER(S): Maria DiGiano

CHAIR(S): Maria DiGiano

2:00 Maria DiGiano, PhD*, Independent Researcher, *Changing landscapes for forest commons: Linking land tenure with forest cover change following Mexico's 1992 agrarian reforms.*

2:20 Claudia Rodriguez-Solorzano*, Dartmouth College, *Deforestation, Institutions and Governance in the Mexico-Guatemala Maya Forest.*

2:40 Aida Ramos Viera*, University of Kansas, *Forest Conservation Policies and the Neoliberal Land Reform in Mexico. A Cultural Ecology Approach to the Payments of Environmental Services in the Huasteca Potosina Region.*

3:00 Lily A. House-Peters, PhD Candidate*, University of Arizona, *Discursive Productions of Asymmetry, Elisions of Porosity: Environmental Governance Regimes and Riparian Politics in the US/Mexico Border Region.*

Discussant(s): Maria DiGiano

5474. Geography and Health

Room: *Corsican, Biltmore, Mezzanine Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Wei Tu, Georgia Southern University

2:00 Mohammed Algabbani*, King Saud University, *Mortality in Saudi Arabia 1950-2010 Trends and Causes.*

2:20 Nadine Nicole Ndonghan Iyangui*, LAGRAC, Omar Bongo University, *Self-report screening for overweight and obesity : identification of socio-spatial determinants in Libreville.*

2:40 Kevin Matthews*, University of Iowa, *Modeling the Geographic Distribution of Colorectal Cancer*

Outcomes in Iowa.

3:00 Yan Lin*, Texas Center for Geographic Information Science, Department of Geography, Texas State University-San Marcos; F. Benjamin Zhan, Texas Center for Geographic Information Science, Department of Geography, Texas State University-San Marcos, *Geographic variations of racial disparities of cervical cancer mortality in Texas.*

3:20 Wei Tu*, Georgia Southern University, *Investigate risk factors of preterm births in Georgia using multilevel regression models.*

5475. Urban Policy and Planning

Room: *Florentine, Biltmore, Mezzanine Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Upendra B Bom, University of Wyoming

2:00 Mojan Jianfar*, York University, *Kingston-Galloway/Orton Park: a case for proactive participatory planning methods.*

2:20 Upendra B Bom*, Student, University of Wyoming; Steven D Prager, PhD, Associate Professor, University of Wyoming; William J Gribb, PhD, Associate Professor, University of Wyoming; Mohan B Dangi, PhD, Assistant Professor, California State University, Fresno, *Opportunities to and Barriers to Sustainable Recycling in Laramie, Wyoming.*

5476. Geographies of Economic Crisis

Room: *Grecian, Biltmore, Mezzanine Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): David S Bieri, Virginia Tech

2:00 Ben Liu*, William Paterson University; Weber Liu, Princeton University, *Possible Solutions for the European Financial Crisis.*

2:20 Daniel J. Hammel*, University of Toledo; Sujata Shetty*, University of Toledo, *Avoiding Foreclosure: The Experiences of Those Who Have Navigated the Foreclosure Process Without (yet) Losing Their Homes.*

2:40 Sònia Vives Miró*, University of Balearic Islands, *The urban mortgage and the capital accumulation underlying the economic meltdown in Spain..*

3:00 Ian M Dunham*, Temple University, *Street Credit: Consumer Credit Market Access and Exclusion in Philadelphia.*

3:20 David S Bieri*, University of Michigan, *Form, Function and Finance: On the Economic Geography of Mortgage Credit and Urban Spatial Structure.*

5478. Puerto Rican Geography: On and Off the Island

Room: *Mediterranean, Biltmore, Mezzanine Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Rafael Diaz-Torres

2:00 Victoria R Mead*, Hunter College, *From Tropical Island to Concrete Jungle: Effects of Migration and Location on Puerto Rican Views of Race and Identity.*

2:20 Isis Colon*, *Identifying the emerging urban centers in the largest residential suburb of Puerto Rico; The case of Bayamón.*

2:40 Daniel A Olmeda, Geography Student*, University of Puerto Rico, Río Piedras Campus, *"¿Qué pasa?" with Puerto Rico's Agriculture.*

3:00 Rafael Diaz-Torres*, Atlantic University College (Puerto Rico), *Puerto Rico Islanders: The production of the "city-island" space through sports and pro-statehood politics.*

3:20 Angel David D Cruz Baez, Professor*, University of Puerto Rico, *Food: Should Puerto Rico produce it or import it?.*

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**5480. Cross-border trade, geopolitics, and governance in China
(Sponsored by China Specialty Group, Symposium on New
Geographies of Urban China, Borders)**

Room: Roman, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Tim Oakes, University of Colorado

CHAIR(S): Mingzhou Qin, The college of
EnvironmentandPlanning,Henan University

2:00 Ling Zhang*, University of Utah, *International Retailers in
China at 20 Years.*

2:20 Chih-Kai Yu*, Dept. of Geography, National Taiwan
University, *From Borderland to Fairyland? Research
on the Cross-boundaries Construction through the
Material of Kinmen Kaoliang Liquor.*

2:40 Mingzhou Qin*, College of Environment and Planning,
Henan University; Chengzhe Qin, Department
of Geography, East Stroudsburg University of
Pennsylvania, PA 18301-2999,USA, *Reflections to
Chinese Native Food Culture in Response to the
Globalization Challenge Since the Open Door and
Reform.*

2:30 PM - 3:40 PM

AAG BUSINESS MEETING

Saturday, April 13, 2:30 p.m. - 3:40 p.m.

Room: Corinthian, Biltmore, Mezzanine Level

The AAG's annual Business Meeting will be held in the
Corinthian Room of the Biltmore Hotel, on Saturday, April 13,
from 2:30 p.m. - 3:40 p.m. AAG officers will present their annual
reports. All are welcome to attend.

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4:00 p.m. - 5:40 p.m.

5502. The multiple geographies of policy mobility 3: Economic development policy mobilities (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Beaudry B, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Ian Cook; Tom Baker, University of Newcastle, Australia

CHAIR(S): Cristina Temenos, Simon Fraser University

4:00 Robert Krueger*, Worcester Polytechnic Institute/ University of Luxembourg; Markus Hesse, University of Luxembourg, *Re-constructing the city through transatlantic policy discourses and policy mobilities.*

4:20 Boris Michel, University Erlangen-Nuremberg - Institute of Geography; Christian Schwedes*, Goethe-University Frankfurt (Main), Department of Human Geography, *Contradictories, Resistances, Failures. Business Improvement Districts as Contested Neoliberal Urban Governance Travelling Germany.*

4:40 David Wilson*, University of Illinois, *Chicago's New Redevelopment Machine.*

5:00 Jessa Loomis*, University of Kentucky, *Moveable Feasts: Food Trucks and Urban Policy Mobilities.*

5:20 Astrid Wood*, University College London, *Peripatetic Planning: Tracing the Mobility of Bus Rapid Transit through South African Cities.*

5503. Agriculture Under Reconstruction in the US

Room: La Brea, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Edward Davis, Emory & Henry College

4:00 Ziyang Jiang*, Miami University; Bo Xu, California State University, San Bernardino, *Geographically Weighted Regression Analysis of the Spatially Varying Relationship between Farming Viability and Contributing factors in Ohio.*

4:20 Jon Kelter Gehrig, MA*, *The farmer's market: headway or hinderance.*

4:40 Deborah Greenwood*, Rutgers University, *Urbanization, Feminization, and the Rise of Alternative Food Production Systems: Understanding Agricultural Transformations in New Jersey.*

5:00 Cate Irvin*, Tulane University, *Distinctive Food: A Study of New Orleans Food Trucks.*

5:20 Edward H Davis*, Emory & Henry College; John Morgan*, Emory & Henry College, *Mapping Food Preferences in Mississippi and Louisiana.*

5504. Networks and Models: Methodological Perspectives

Room: La Cienega, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jenni Partanen, Tampere University of Technology

4:00 David Marquardt*, Penn State University, US Department of Agriculture, *Aggregating USDA Agriculture Census records by zip code to augment farm location models..*

4:20 Khila R Dahal*, Dept. of Geography, Texas State University; Khila Raj Dahal, Texas State University - San Marcos, *Development and Implementation of a GIS Toolset for Parcel Subdivision.*

4:40 David Shively*, University of Montana; Maria Pascual, The Legal Atlas, Mike and Maureen Mansfield Center, University of Montana; James Wingard, The Legal Atlas, Mike and Maureen Mansfield Center, University of Montana, *The Legal Atlas Project.*

5:00 Jenni Partanen*, Tampere University of Technology, *Measuring Self-Organization in the City.*

5506. Spatiotemporal Thinking, Computing and Applications 14: Application Panel (Sponsored by Cyberinfrastructure Specialty Group, Climate Specialty Group, Transportation

Geography Specialty Group)

Room: Los Feliz, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Chaowei Yang, George Mason University; Keith Clarke, University of California, Santa Barbara

CHAIR(S): Weihe Wendy Guan, Harvard University

Introducer: Ming-Hsiang Tsou

Panelists: Qisheng Pan, Texas Southern University; May Yuan, Univ of Oklahoma; Ronald Eastman, Clark University; Jing Li, University of Denver

5507. Marxist geography, capital accumulation and class relations (Sponsored by Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

Room: Palos Verdes, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Jamie Gough, Sheffield University; Kevin Cox, Ohio State University

CHAIR(S): Jamie Gough, Sheffield University

4:00 Raju J Das*, York University, *Placing class struggle in Marx's theory of accumulation.*

4:20 Marc Auerbach, Ph.D. Candidate*, The Ohio State University, *Taking Labor Geography Beyond the Impasse of Agency.*

4:40 Jamie Gough, Dr*, Sheffield University, *What are the connections between urban and global economic crisis?: overaccumulation of capital is key.*

5:00 Kevin R Cox*, Ohio State University, *Scales, Territories and Their Critics: A Materialist Intervention.*

Discussant(s): Karl Beitel

5508. Environmental Change: Remote Sensing

Room: San Bernardino, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Siripon Kamontum, Geo-informatics and Space Technology Development Agency of Thailand

4:00 David Miller, Dr*, Department of Geography & Geology, University of the West Indies; Andrew Pearson, Dr, Department of Basic Medical Sciences, University of the West Indies; Willem Mulder, Prof., Department of Chemistry, University of the West Indies; Theresa Rodriguez, Department of Geography & Geology, University of the West Indies, *The Impact of Hurricane Sandy on selected south coast beaches, Jamaica, West Indies..*

4:20 Mahtab A Lodhi*, University of New Orleans, *Analyzing the long-term lake surface area variability in Sandhills region of Nebraska.*

4:40 Maya Gopinath Unde*, Ahmednagar College, *Channel Changes Due to Sand Mining in Part of River Godavari.*

5:00 Jay C Guarneri*, University of Arkansas at Monticello; Hal O Liechty, PhD, University of Arkansas at Monticello; J David Carr, PhD, University of Arkansas at Monticello; Daniel A Marion, PhD, United States Forest Service, *Comparing Methods for Delineating Headwater Streams.*

5:20 Siripon Kamontum*, Geo-informatics and Space Technology Development Agency of Thailand, *Integration of Satellite Imageries and GIS for Flood Response Planning.*

5509. Migration and Immigration: Social and Economic Outcomes of Human Movement (Sponsored by Population Specialty Group)

Room: San Fernando, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Lee Hachadoorian, Dartmouth College; Max Lu, Kansas State University

CHAIR(S): Max Lu, Kansas State University

4:00 Kari Burnett*, Chicago State University, *Using an Established Integration Framework to Assess the Integration of Refugees in Prague, Czech Republic.*

4:20 Lawrence Brown*, Ohio State University; Tamar Mott

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Forrest, Ohio State University, *Organizationally-Led Migration, Individual Choice, and Conventional Models: Refugees to the US.*

4:40 Jamie Goodwin-White*, University of California, Los Angeles (UCLA), *Is Social Mobility Spatial?*

5:00 J. Matthew Shumway, Brigham Young University; Samuel Otterstrom*, Brigham Young University, *Natural Hazards, Migration, and Income Change in the United States 2000-2010.*

5:20 Max Lu*, Kansas State University; Pingzhong Duan, China University of Geosciences, Wuhan, China, *Population Migration and Regional Inequality in China.*

5510. Contest/ed Scenes and Spaces: Exposing Cultural Infrastructures 3 (Sponsored by Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group)

Room: San Gabriel A, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Chris Gibson, University of Wollongong; Lizzie Richardson, Durham University

CHAIR(S): Chris Gibson, University of Wollongong

4:00 Richard S Phillips*, University of Sheffield, *Creativity and Curiosity.*

4:20 Nuala M Morse*, Durham University, *Co-production and creativity in museum exhibitions.*

4:40 Oli Mould*, Royal Holloway, University of London, *Urban Subversions within beta-Cultural Spaces?*

5:00 Linda Naughton*, Staffordshire University, *Narrative performances of power in networks of creative practice.*

5:20 Á.Clotilde Houchon, ABD*, University of Utah, *Disguised as Dick Tracy: Comics, Safe House, and Transmigrant Youth.*

5513. Landform and Vegetation Dynamics

Room: San Pedro, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Thad Wasklewicz, East Carolina University

4:00 Haitao Wang*, Virginia Tech; Xingdong He, Nankai University; Lisa M Kennedy, Virginia Tech, *Spatial relationships between vegetation and soil properties in Artemisia ordosica - Artemisia frigida plant community.*

4:20 Xingyou Zhao*, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *Study on wind erosion landform Features in the Hami Basin in eastern of the Tianshan Mountains, Xinjiang, China.*

4:40 April Hiscox*, Department of Geography, *Long Term Statistics of Tree-Sway, Winds, and Turbulence in a Forest Canopy.*

5:00 Cal R Scheinert, McKim and Creed, Inc.; Thad Wasklewicz*, East Carolina University; Dennis M Staley, U.S. Geological Survey, *Landslide Hazards Program, Debris Flow Modification of an Alluvial Fan at the Chalk Creek Natural Debris Flow Laboratory, Central Colorado, USA.*

5516. Resilience and Critical Practice (Sponsored by Political Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Santa Anita C, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Garnet Kindervater, University of Minnesota - Minneapolis; Sara Nelson, University of Minnesota

CHAIR(S): Garnet Kindervater, University of Minnesota - Minneapolis

Panelists: Lenore L Newman, University of the Fraser Valley; Sara Nelson, University of Minnesota; Jesse Goldstein, Graduate Center, CUNY; Oliver Ibert, Department of Geography, University of Bonn

5517. Community Geography Teaching and Research: A Discussion among Professors and Students about the Opportunities and Tensions of Community Engaged Scholarship 4 (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Santa Barbara A, Westin, Lobby Level (Panel Session)

ORGANIZER(S): Jonnell Robinson, Syracuse University; Timothy Hawthorne, Georgia State University

CHAIR(S): Rex Rowley, University of Wisconsin-Platteville

Panelists: Ben Gultch; Jin-Kyu Jung, University of Washington Bothell; Sean Crotty, San Diego State University/University of California at Santa Barbara; Amy Freitag, Duke University

5519. Immigrant Identities and Space (2) (Sponsored by Ethnic Geography Specialty Group)

Room: Santa Barbara C, Westin, Lobby Level (Paper Session)

ORGANIZER(S): Elizabeth Chacko, The George Washington University; David Kaplan, Kent State University

CHAIR(S): Elizabeth Chacko, The George Washington University

4:00 David Kaplan*, Kent State University, *Place Identities in an Immigrant Parisian Neighborhood.*

4:20 Susan E. Hume*, Southern Illinois University Edwardsville; Paige Holsapple, Southern Illinois University Edwardsville, *Constructing "Little Bosnia" in South St. Louis.*

4:40 Michele A Lobo, Dr*, Centre for Citizenship and Globalisation, Deakin University, *Affective energies: Sensory bodies on the beach in Darwin, Australia.*

5:00 Mary Gilmartin*, National University of Ireland Maynooth, *Immigrant belonging and place-making in contemporary Ireland.*

5:20 Micheline van Riemsdijk*, University of Tennessee, *Agents of Local Incorporation: Grounding Skilled Migrants in Oslo, Norway.*

5520. War/Law/Space

Room: Sacramento, Westin, Level 2 (Paper Session)

ORGANIZER(S): Craig Jones, UBC; Michael Smith, University of British Columbia

CHAIR(S): Michael Smith, University of British Columbia

4:00 Katia Snukal*, University of Toronto, *Turning Law Inside Out.*

4:20 Mark Boyle, Professor*, National University of Ireland Maynooth; Audrey L. Kobayashi*, Queen's University, *On the legal status of War Crimes Tribunals: Jean Paul Sartre stewardship of the Russell Tribunal, Stockholm 1967.*

4:40 Margo Kleinfeld*, University of Wisconsin - Whitewater, *Examining the Principle of Distinction: Can International Humanitarian Law Accommodate Bodies in Space?*

5:00 Craig Jones*, University of British Columbia, *War Lawyers: Targeting Legal Advice.*

5:20 Lisa Parks*, UC Santa Barbara, *Targeted Homelands: Networked Visions of the US Drone War in Pakistan.*

5522. Food Security, Accessibility, and Policy

Room: San Francisco, Westin, Level 2 (Paper Session)

ORGANIZER(S): Mark Horner, Florida State University

CHAIR(S): Shauna Wolfgram

4:00 Ken Renaud*, University of Colorado Boulder, *The Urban Geography of Food: A Contingent Framework.*

4:20 Thomas Bleasdale, PhD Student*, Arizona State University, *The formation of an urban food desert: struggle for a just food system in Phoenix, Arizona..*

4:40 Brittany Wood*, Florida State University; Mark W Horner, Florida State University, *Accessibility to SNAP Accepting Retail Food Locations.*

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- 5:00** Shauna Wolfgram*, Weber State University, *The Role of Historic 25th Street Farmers' Market in Ogden Food Desert Areas.*
- 5:20** Abhijit Banerjee*, Northeastern Illinois University, *Bioplastics: Potential Impacts on Food Security from a "Green" Solution.*
- 5523. Legacy Sediment in the New World (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)**
- Room:* San Jose, Westin, Level 2 (Paper Session)
- ORGANIZER(S): Allan James, University of South Carolina; Scott Lecce, East Carolina University
- CHAIR(S): Scott Lecce, East Carolina University
- 4:00** Robert T Pavlowsky*, Missouri State University; Scott A Lecce, East Carolina University, *Legacy Sediment Waves in Channel and Floodplain Deposits of an Ozarks river, SE Missouri.*
- 4:20** Gregory A Pope, Ph.D.*, Montclair State University; Joshua C Galster, Ph.D., Montclair State University; Anthony J. Torres, Bergen Community College; Lizzie M Starks, Jackson State University; Kelly E. Palmer, Montclair State University; Huan E. Feng, Ph.D., Montclair State University; Meiyin Wu, Ph.D., Montclair State University, *Sediment sourcing in Northwest New Jersey: Legacies of forest, farming, industry, and suburbanization.*
- 4:40** Rolf Aalto, Professor*, University of Exeter; Julia Marquard, Graduate Student, University of Exeter; Michael Singer, Lecturer, University of St. Andrews, *Fingerprinting legacy sediment with novel geochemical tracers: case studies from colonial mill ponds (Pennsylvania) and anthropogenic fans (California).*
- 5:00** Allan James*, University of South Carolina, *Spatial Patterns of Legacy Sediment in North America: Graded vs. Discontinuous Deposits.*
- Discussant(s): Scott Lecce, East Carolina University
- 5526. Urbanization in the Arctic (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Cryosphere Specialty Group, Polar Geography Specialty Group)**
- Room:* Hollywood Ballroom, Westin, Level 3 (Paper Session)
- ORGANIZER(S): Andrey Petrov, University of Northern Iowa; Timothy Heleniak, American Geographical Society
- CHAIR(S): Andrey Petrov, University of Northern Iowa
- 4:00** Timothy Heleniak*, American Geographical Society, *Arctic Populations and Migration.*
- 4:20** Hal Salzman*, Rutgers University, *Urbanization of Arctic Alaska: The Great Reversal?.*
- 4:40** Nikolay Shiklomanov*, George Washington University; Robert Orttung, George Washington University; Dmitriy Streletskiy, George Washington University; Marlene Laruelle, George Washington University, *Building a Research Network for Promoting Arctic Urban Sustainability in Russia.*
- 5:00** Artem Rykun, professor, Tomsk State University*, Tomsk State University, *The Role of Social Policy in Transforming Contemporary Siberia into a Breakthrough Territory.*
- 5527. Environmental Justice Research: Contemporary Issues and Emerging Topics IV (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Health and Medical Geography Specialty Group, Activist Geographies: Struggles for Social and Environmental Justice)**
- Room:* Santa Monica A, Westin, Level 3 (Paper Session)
- ORGANIZER(S): Jayajit Chakraborty, University of South Florida; Sara Grineski, University of Texas at El Paso
- CHAIR(S): Marilyn Montgomery, University of South Florida
- 4:00** Fatoumata B Barry*, Michigan State University, *Environmental Injustices: Conflict & Health Hazards in the Niger Delta region of Nigeria.*
- 4:20** Jordan Fox Besek, Graduate Teaching Fellow*, University of Oregon, *Neoliberal Niagara? The Neoliberalization of Fish Consumption Advisories for the Upper Niagara River.*
- 4:40** Hilary Booker*, Antioch University New England, *Bushes & Roots: Environmental Justice as Decolonized Healing.*
- 5:00** Shangrila J. Wynn*, Colgate University, *Environmental Justice Implications of Hydraulic Fracturing in the Marcellus Shale Region.*
- 5:20** Pratyusha Basu*, University of South Florida, Tampa, *Indigenous Identities and Displacements Due to Development: Environmental Injustice Implications of Large-Scale Dams in India.*
- 5529. Healthcare Workforce Geography (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**
- Room:* Santa Monica C, Westin, Level 3 (Paper Session)
- ORGANIZER(S): Imam Xierali, Robert Graham Center
- CHAIR(S): Imam Xierali, Robert Graham Center
- 4:00** Chetan Tiwari*, University of North Texas; Joseph Oppong, University of North Texas, *Adjusting Disease Maps for Population Differences based on Race/Ethnicity.*
- 4:20** Recinda Sherman, MPH, CTR*, University of Miami; Kevin Henry, PhD, University of Utah Department of Geography; Dan Feaster, PhD, University of Miami Department of Epidemiology and Public Health; Erin Kobetz, PhD, University of Miami Department of Epidemiology and Public Health; David Lee, PhD, University of Miami Department of Epidemiology and Public Health, *Spatial Analysis in Cancer Surveillance: The Impact of Geocoding and Other Data Quality.*
- 4:40** Jonathan D. Mayer*, University of Washington, *Using Molecular Epidemiology and GIS to Identify Patterns of Disease Spread.*
- 5:00** Jaclyn Hall, PhD*, University of Florida; Frank Catalanotto, PhD, Community Dentistry & Behavioral Science, University of Florida; Scott Tomar, PhD, Community Dentistry & Behavioral Science, University of Florida; Betsy Shenkman, PhD, Institute for Child Health Policy, University of Florida; Briony Tatem, Institute of Child Health Policy, University of Florida; Jill Herndon, PhD, Institute for Child Health Policy, University of Florida, *Geographic Variations in Early Childhood Caries Preventive Services.*
- 5:20** Imam Xierali*, Robert Graham Center; Andrew W Bazemore, MD MPH, AAFP, *Factors Affecting Potentially Preventable Hospitalization in Florida.*
- 5530. Political ecology across the rural-urban divide IV: Theorizing the rural-urban divide (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**
- Room:* Santa Monica D, Westin, Level 3 (Paper Session)
- ORGANIZER(S): Colleen Hiner, UC Davis; Innisfree Mckinnon, University of Oregon
- CHAIR(S): Innisfree Mckinnon, University of Oregon
- 4:00** Levi Van Sant*, University of Georgia, *When Local Comes to Town: A Genealogy of the Urban-Rural Rift.*
- 4:20** Laura Taylor*, York University, *Political Ecology of Exurbia.*
- 4:40** Vera Vicenzotti*, Newcastle University, *Mind the Gap! Comparing attempts within political ecology and landscape urbanism to move beyond the rural-urban divide.*
- 5:00** Colleen C Hiner, PhD*, Sacramento City College, *Beyond the edge and in between: Re-conceptualizing the rural-*

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urban interface as meaning-model-metaphor.
Discussant(s): Patrick Hurley, Ursinus College

5534. The Lie of “Empty” Lands: Racism, Settler Colonialism, and Dispossession from Vancouver to Los Angeles (Sponsored by Activist Geographies: Struggles for Social and Environmental Justice)

Room: Laguna Parlor 3024, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Christina Heatherton, CUNY Center for Place, Culture, and Politics

CHAIR(S): Jordan T Camp, University of California, Los Angeles (UCLA) Afro-American Studies

4:00 John Munro*, History Department, St. Mary's University (Halifax), *Colonial Continuities and Post-Cold War Neoliberalism in a North American City*.

4:20 Glen Sean Coulthard, Assistant Professor*, University of British Columbia, *Urbs Nullius: Gentrification, Settler Colonialism and Indigenous Sovereignty in the City*.

4:40 Christina Heatherton, PhD*, CUNY Center for Place, Culture, and Politics, *Open Shop Los Angeles: Global Struggles Against Racial Capitalism, 1930-1934*.

5:00 Nicholas Dahmann*, University of Southern California, *Settler Colonialism and (Un)Reason of State: Revolting against what “all comes together in Los Angeles”*.

5536. Electric and Alternative Fueled Transport (Sponsored by Urban Geography Specialty Group, Energy and Environment Specialty Group, Transportation Geography Specialty Group)

Room: Laguna Parlor 3044, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Bradley Lane, The University of Texas at El Paso

CHAIR(S): Bradley Lane, The University of Texas at El Paso

4:00 Scott Kelley*, Arizona State University; Michael Kuby, Arizona State University, *Observed Driving and Refueling Behavior of Compressed Natural Gas Fleets in Southern California*.

4:20 Bradley W. Lane*, The University of Texas at El Paso; Rachel M. Krause, The University of Texas at El Paso; Sanya Carley, Indiana University, *The Influence of Travel Behavior on Electric Vehicle Appeal*.

5538. Mobilizing the Masses: Civil Society and the Right to Water (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: Laguna Parlor 3064, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Adam French, University of California, Santa Cruz; Sarah T. Romano, University of California, Santa Cruz

CHAIR(S): Adam French, University of California, Santa Cruz

4:00 Matt A Goff*, University of California, Santa Cruz, Department of Sociology, *Power Beyond Place: A Cross-Scalar Approach to Water Governance Analysis*.

4:20 Christopher Butler*, University of California, Santa Cruz, *Water Unites, Water Divides: Resistance to the West Seti and Upper Karnali Dams in Nepal*.

4:40 Adam French*, University of California, Santa Cruz, *Webs and Flows: A Political Ecology of Risk and Resistance in Peruvian Water Governance*.

5:00 Sarah T. Romano, Ph.D*, University of California, Santa Cruz, *Towards Recognition: Discourses of Ownership, Autonomy, and “the State” in Nicaragua’s Rural Water Governance*.

Discussant(s): Jessica Budds, University of Reading

5539. Cross-Scale Hydrologic Modeling: Challenges & Progress (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Laguna Parlor 3068, Westin, 30th Floor (Paper Session)
ORGANIZER(S): Liem Tran, University of Tennessee at Knoxville
CHAIR(S): Liem Tran, University of Tennessee at Knoxville

4:00 Liem Tran*, University of Tennessee at Knoxville; Robert O'Neill, OTIE, *Hierarchy Theory and Cross-Scale Hydrologic Modeling*.

4:20 Latha Baskaran*, Oak Ridge National Laboratory; Liem Tran, University of Tennessee; Virginia Dale, Oak Ridge National Laboratory, *Cross-Scale Analysis of Factors Affecting Aquatic Macroinvertebrate Distribution in Tennessee*.

4:40 Nasrin Alamdari*, University of Tennessee; Liem Tran, Associate Professor, Geography Department, University of Tennessee at Knoxville, *Cross-Scale Hydrologic Modeling for Annual Sediment Load*.

5:00 Vi Tran*, Liem T. Tran, *Geospatial Regression Models for Regional and Sub-Regional Mean Annual Streamflow*.

5541. Borders: Environmental, Geopolitical, and Theoretical (Sponsored by Borders)

Room: Malibu Parlor 3038, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ariel Otruba, Rutgers University

4:00 Terry Simmons, Ph.D.*, Centre for Global Policy Studies, *Extraterritorial Application of NEPA along the Western Canada-United States Boundary*.

4:20 Chris Mayda*, Eastern Michigan University, *Ecological borders*.

4:40 Nicholas Fiori*, The New School for Social Research, *A (New) New Nomos: re-considering the line*.

5:00 Ariel Otruba*, Rutgers University, *“Normalizing” the Buffer Zone: The Policy & Governance of Partition in Cyprus*.

5542. Climatology

Room: Malibu Parlor 3058, Westin, 30th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Cort Willmott, University of Delaware

4:00 Shouraseni Sen Roy*, Department of Geography and Regional Studies, University of Miami; Robert C. Balling Jr., School of Geographical Sciences & Urban Planning, Arizona State University, *Diurnal variations in summertime lightning activity in Tropical Asia*.

4:20 Jussi Griessinger*, University of Erlangen, Institute of Geography, *Asian Summer Monsoon history in Southern Tibet - Results from a network of tree-ring isotope chronologies*.

4:40 Dana Doubler*, Michigan State University; Julie A Winkler, Michigan State University; Claudia K Walters, University of Michigan -Dearborn; Shiyuan Zhong, Michigan State University; Xindi Bian, Northern Research Station, U.S. Forest Service; Jovanka Nikolic, Michigan State University, *A NARR derived low-level jet climatology for North America*.

5:00 Ming Luo*, Department of Geography and Resource Management, The Chinese University of Hong Kong, Hong Kong, China; Yee Leung, Department of Geography and Resource Management, The Chinese University of Hong Kong, Hong Kong, China; Wei Zhang, Department of Geography and Resource Management, The Chinese University of Hong Kong, Hong Kong, China; Yu Zhou, Department of Geography and Resource Management, The Chinese University of Hong Kong, Hong Kong, China, *Long-range correlation analysis of the South China Sea monsoon circulation*.

5:20 Cort Willmott*, University of Delaware; Scott M. Robeson, Professor, Indiana University; Kenji Matsuura, Ph.D., University of Delaware, *Comparison of competing statistical indices of model performance*.

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5543. Gender in Demography and Labor

- Room:** *Malibu Parlor 3078, Westin, 30th Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Dawn S. Bowen, University of Mary Washington
4:00 Rahel Muche Kassa*, Addis Ababa University, *Gendered land Access in the Ethiopian Highlands*.
4:20 Marshia Akbar*, York University, *Constructing Gender in Diverse Work Places: Self-employed Bangladeshi Muslim Women in Toronto*.
4:40 Abdulaziz Nasser Almashgari*, United Arab Emirates University; Sultan Alshamsi*, UAE University, *Analyzing Forces and Challenges Motivating and Facing Female Emiratis Workers within the Working Environment: Al Ain City Experience*.
5:00 Dawn S. Bowen*, University of Mary Washington, *Conservation and Agroecology Leadership Training: An NGO Empowers Young Maya Women in Alta Verapaz, Guatemala*.

5544. Environment Degradation and Protection

- Room:** *Malibu Parlor 3118, Westin, 31st Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Gabriel Judkins, University of Nevada Las Vegas
4:00 Danae Daugherty*, University of North Texas, *The Geography of Functionally Impaired and ADA Protected Groups in Texas Counties*.
4:20 Helen D. Hazen, Ph.D.*, Macalester College; Peter J. Anthamatten, Ph.D., University of Colorado Denver, *Change in Global Distribution of Protected Areas, 2003 to 2012*.
4:40 Audrey Joslin*, Texas A&M University, *Territory within Payments for Environmental Services in the Ecuadorian Páramos*.
5:00 Gabriel Judkins*, University of Nevada Las Vegas, *The Degradation of Development: A Case for First World Land Degradation Studies*.

5545. City and Community

- Room:** *Malibu Parlor 3138, Westin, 31st Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Erin DeMuynck
4:00 Neil Conner*, University of Tennessee, *'Old Firm' Battle Lines: The Territoriality of Celtic FC Supporters in Glasgow and Belfast*.
4:20 Laura Ryser, U of Northern British Columbia; Alik Rajput, U of Northern British Columbia; Greg Halseth*, U of Northern British Columbia; Sean Markey, Simon Fraser University, *Hollowing out the community: Examining the local impacts of long distance labour commuting in a northern Canadian small town*.
4:40 Gemma Burgess*, University of Cambridge, *New geographies of social capital: building community capacity through timebanking in the UK*.
5:00 Erin DeMuynck*, University of Illinois, *Geographies of Collectivism and Care in the Neoliberal City*.

5547. Cities and Environmental Change (Sponsored by Global Urbanization, Urban Geography Specialty Group)

- Room:** *Malibu Parlor 3178, Westin, 31st Floor* (Paper Session)
 ORGANIZER(S): Bradley Bereitschaft, University of Nebraska Omaha
 CHAIR(S): Bradley Bereitschaft, University of Nebraska Omaha
4:00 Mark Blumler*, SUNY-Binghamton; Latisha Williams, SUNY-Binghamton; Michael Voorhees, SUNY-Binghamton; Danielle Lamphere, SUNY-Binghamton; Erika Chin, SUNY-New Paltz, *Biodiversity Patterns in Binghamton NY*.
4:20 Carlos A Jennings*, San Francisco State University; William Goedecke, San Francisco State University; Seth Hiatt, M.A., San Francisco State University;

Andrew J Oliphant, Ph.D., San Francisco State University; Leonhard Blesius, Ph.D., San Francisco State University, *Estimating ground-level fine Particulate Matter (PM2.5) using MODIS Aerosol Optical Depth (AOD) for the San Francisco Bay Region*.

- 4:40** Jasraj V Gramopadhye*, Department of Geography, University of North Carolina at Greensboro, NC 27412., *A Delicate Balance Between Socioeconomic and Environmental Dimensions of Urban Growth: A Case Study in the Piedmont, North Carolina*.
5:00 Lisa Emili, Ph.D.*, Penn State University; Richard Greene, Ph.D., Northern Illinois University, *Assessing Land Use Conversion: rangeland to cropland replacement for lost urban-fringe prime farmland*.
5:20 Bradley Bereitschaft, Ph.D*, University of Nebraska at Omaha, *Location, Land Use, and Air Pollution in U.S. Metropolitan Areas*.

5550. Agent-Based & Cellular Automata Models for Geographical Systems 4: Applications (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room:** *Angeleno, The LA Hotel, Level 2* (Paper Session)
 ORGANIZER(S): Andrew Crooks, George Mason University; Amit Patel
 CHAIR(S): Kirk Harland, University of Leeds
4:00 Arnaud Banos*, CNRS; Sonia Chardonnel, CNRS; Christophe Lang, Université de Franche-Comté; Nicolas Marilleau, IRD; Thomas Thevenin, Université de Bourgogne; MIRO Team, *Towards more sustainable cities: coupling actors and agents in a serious game*.
4:20 Ed Manley*, University College London; Tao Cheng, University College London, *Incorporating Heterogeneous Spatial Cognition into Urban Road Transportation Simulation - What Improvement on Conventional Methods?*.
4:40 Yong Yang*, University of Michigan; Ana V Diez-Roux, University of Michigan; Amy Auchincloss, Drexel University; Daniel Rodriguez, University of North Carolina; Daniel Brown, University of Michigan; Rick Riolo, University of Michigan, *The use of an agent-based model of utilitarian walking in adults to examine the impact of various interventions on population walking*.
5:00 Andrew Crooks*, George Mason University; Atesmachew Hailegiorgis, George Mason University, *Modeling the Spread of Cholera within Refugee Camps: An Agent-based Modeling Approach*.
5:20 Timothy Gulden*, George Mason University; Joseph F Harrison, George Mason University, *Modeling Cities and Displacement through an Agent-based Spatial Interaction Model*.

5551. Change and Continuity; the Place of Community in Transition (Session 2)

- Room:** *Bunker Hill, The LA Hotel, Level 2* (Paper Session)
 ORGANIZER(S): Peter R.H. Wood, The Open University; Adonia E Lugo, University of California, Irvine
 CHAIR(S): Peter R.H. Wood, The Open University
4:00 Adonia E Lugo*, University of California, Irvine, *The History and Future of Community and Place in Los Angeles' Bike Movement*.
4:20 Anne M. Gessler, BA, MA*, The University of Texas at Austin, *"Civilization's Supreme Test": Henry Hermes, the New Orleans Cooperative Movement, and the Politics of Place: 1940-1970*.
4:40 Richard J. Nunes*, University of Reading, *Transition (Towns) politics. Scaling-up 'grassroots niche innovations' for gradual radical transformation*.
5:00 Karen A. Franck, New Jersey Institute of Technology; Te-

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Sheng Huang*, New Jersey Institute of Technology,
*Protesting, Organizing and Living All in One Place:
From Tahrir Square to Zucotti Park.*

- 5:20** Sarah McCullough*, UC Davis, *From Appetite Seminar to Critical Mass? Histories of Contested Space in Mountain Biking.*

5552. Transnationalism and Migration

Room: Grand Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kathrin Fischer, Claflin University

- 4:00** Mahmood Khan*, University of California, Los Angeles (UCLA), *Islamic Activism in Bosnia and Herzegovina and Serbia's Sand?ak of Novi Pazar: Transnational Networks and Territorial Strategies.*

- 4:20** Jorg Ploger*, ILS - Research Institute for Regional and Urban Development; Anna Becker, ILS - Research Institute for Regional and Urban Development, *Global nomads and the city - the role of transnational ties on the transformation of urban space.*

- 4:40** Jonathan Mann Burkham, PhD*, University of Wisconsin, Whitewater, *The End of Migration from Atotonilco El Bajo to Milwaukee: A Transnational Labor Market Ethnography.*

- 5:00** Kathrin Fischer*, Claflin University; Kathrin Fischer, Student, Claflin University, *Rising Turmoil in a Secular Country? The Turkish Immigrants in Vienna, Austria Case Study.*

5553. Ethnic Geography: Global Perspectives

Room: Grand Ballroom Salon 2, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Heather Smith, University of North Carolina at Charlotte

CHAIR(S): Makame Muhajir, US Military Academy

- 4:00** Samuel Agyei-Mensah*, University of Ghana, *Ethnic Residential Clusters in Nima, Ghana.*

- 4:20** Amiram Gonen*, Hebrew University, *Competition and Conflict between Identities in the Choice of a Burial Place.*

- 4:40** Paul Lassalle, Dr*, Sheffield Hallam University, *The unplanned decision-making process of Poles starting-up in Scotland: the role of the opportunity structure.*

- 5:00** Alexander Trupp*, University of Vienna, *Barriers and Opportunities for Ethnic Minority Street Vendors in Thailand.*

- 5:20** Makame Muhajir*, US Military Academy; Kristine Ringler, US Military Academy, *Nationalization in Practice: Comparative Research in Ethnicity, Religion, and Society in Post-colonial Tanzania.*

5554. Environmental Change and Variation

Room: Grand Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Rhett Mohler, Saginaw Valley State University

- 4:00** Hanna Luhtala, MSc*, University of Turku; Harri Tolvanen, PhD, University of Turku, *Geography of the Euphotic Zone in a Baltic Sea Coastal Archipelago.*

- 4:20** Todd R Lookingbill*, University of Richmond; Tihomir S Kostadinov, University of Richmond; Conor Phelan, University of Richmond; Ethan Strickler, University of Richmond, *Downslope Migration of the Western Hemlock Regeneration Niche in Response to Decadal Snow Patterns in the Western Cascades.*

- 4:40** Johanna Engstrom*, University of Florida; Cintia B Uvo, Professor, Lund University, *The impact of Northern Hemisphere teleconnections on the hydropower production in Southern Sweden.*

- 5:00** Rhett Mohler*, Saginaw Valley State University, *Earlier warming of spring soil temperatures in Kansas.*

- 5555. Climate Change and Indigenous Peoples II: Economy and Policy (Sponsored by Human Dimensions of Global Change Specialty Group, Indigenous Peoples Specialty Group, Climate Change, Variability, Adaptation and Justice)**

Room: Grand Ballroom Salon 4, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): RDK Herman, National Museum of the American Indian

- 4:00** Paulette Blanchard, A.A. B.A. *, Oklahoma University Geography & Environmental Sustainability; Renee McPherson, PhD, Climatological Survey, University of Oklahoma, Norman, OK, *Oklahoma Inter-Tribal Meeting on Climate Variability and Change.*

- 4:20** Zoltan Grossman*, The Evergreen State College, *Asserting Native Resilience: Pacific Rim Indigenous Nations Face the Climate Crisis.*

- 4:40** Katharine Campbell*, Ohio University, *New Territories of Equality: Conceptualizations of "Justice" in International Environmental Non-Governmental Organizations.*

- 5:00** Nicolena vonHedemann*, University of Arizona, *Communities and Forestry Incentives: Evaluation of Opportunity and Access in the Guatemalan Highlands.*

- 5:20** Sharon Fuller*, University of California, Berkeley, *Banking on the Sea: Role of Gullah Geechee Fisherwomen in the Local Economy.*

5556. Research and Issues in Ethnic Geography Scholarship (Sponsored by Ethnic Geography Specialty Group)

Room: Highland, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Heather Smith, University of North Carolina at Charlotte

CHAIR(S): Heather Smith, University of North Carolina at Charlotte

- 4:00** Susan W. Hardwick*, University of Oregon, *Fostering Collaborative Research on Migration at the U.S.-Canada Borderland.*

- 4:20** Wei Li*, Arizona State University; Wan Yu*, Arizona State University; Claudia Sadowski-Smith, Ph.D., Arizona State University, *Return migration and transnationalism: evidence from highly-skilled BRIC migration.*

- 4:40** Paul McDaniel*, University of North Carolina at Charlotte, *Public Education, Receptivity, and Immigrant Integration in a New Immigrant Gateway: Charlotte, North Carolina.*

- 5:00** James P. Allen*, California State University - Northridge; Eugene Turner*, California State University - Northridge, *Relative Earnings of Mexicans and Whites in U.S. States.*

- 5:20** Stavros T. Constantinou*, Ohio State University; Milton E. Harvey, Kent State University, *A Second-order Model of Greek American Identity Using Ethnic Markers and Norms.*

5557. Asia emerging in Europe (Sponsored by European Specialty Group)

Room: Hollywood, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Stephanie Wilbrand, University of Girona; Lydia M. Pulsipher, University of Tennessee

CHAIR(S): Stephanie Wilbrand, University of Girona

- 4:00** Tu Lan*, University of North Carolina at Chapel Hill, *Remaking industrial districts through migration: the Chinese apparel industry in Prato, Italy.*

- 4:20** Pierpaolo Mudu*, University of Washington - Tacoma, *Sequential and consequential narrative examples and practices around the Chinese and "Chinatowns" in Italy.*

- 4:40** Daniel Brooker*, Peking University; Fenghua Pan, Beijing Normal University, *"Going Global": The*

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Geography of Chinese Firms' Overseas Listings and its Implications.

5:00 Megan Dixon*, College of Idaho, *A Landscape to Create Globalized People: a Chinese project in St. Petersburg.*
Discussant(s): Christian Sellar, University of Mississippi

5558. Metabolizing Nature: The Space-time Dimensions of Commodity Production II (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)

Room: Melrose, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Elvin Delgado, Central Washington University

CHAIR(S): Elvin Delgado, Central Washington University
4:00 Osvaldo Muniz*, Texas State University, San Marcos, *Alternative disruptions of space-time dimensions. Alumysa Project in the Chilean Patagonia.*

4:20 Aysen Eren*, Bogazici University, The Institute of Environmental Sciences; Susannah McCandless, Ph.D., Adjunct Lecturer, Department of Geography, University of Vermont, *Using The "Metabolism" Approach To Explain Social Conflicts over Run-of-River Hydropower Projects in Turkey.*

4:40 Eve Vogel*, University of Massachusetts - Amherst; Paul Hirt, PhD, Associate Professor, History, Arizona State University, *The metabolism of socio-technical transformation: Highlighting environmental and social-political transformation in Pacific Northwest electrical transitions, 1870-present.*

5:00 Morgan Buck*, CUNY Graduate Center, *Nature into Capital: Technology, value and the future of food.*

5:20 Lisa J. Powell*, University of Texas at Austin, *Moving Energy: Intertwined Networks of Coal and Grain Transportation in Western Kentucky.*

5559. Unpacking 'ethical' markets IV: Academic and industry research methods (Sponsored by Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)

Room: Olvera, The LA Hotel, Level 2 (Panel Session)
ORGANIZER(S): Trina Hamilton, SUNY - Buffalo; Roberta Hawkins, University of Guelph
CHAIR(S): Jennifer Silver, The University of Guelph
Discussant(s): Gregory Simon, University of Colorado Denver
Panelists: Jacque (Jody) Emel, Clark University; Stefano Ponte, Danish Institute for International Studies; Daniel Klooster, University of Redlands; Roberta Hawkins, University of Guelph; Trina Hamilton, SUNY - Buffalo

5560. Geographic Information Ethics and GIScience (Sponsored by Geographic Information Science and Systems Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Olympic, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): Rodolphe Devillers, Memorial University of Newfoundland; Dawn Wright, Environmental Systems Research Institute

CHAIR(S): Rodolphe Devillers, Memorial University of Newfoundland

4:00 Susan Wolfenbarger*, American Association for the Advancement of Science, *Remote Sensing and Volunteered Geographic Information: Ethical Concerns.*

4:20 Laxmi Ramasubramanian*, Hunter College, *Considering the Ethical Implications of Using Volunteered Geographic Information for Community-based Planning.*

4:40 Teresa Scassa, Professor, University of Ottawa*, University of Ottawa; Fraser Taylor, Professor, Carleton University; Tracey Lauriault, PhD, Carleton University; Nate J Engler, PhD Student, Carleton University, *Ethical Mapping of Traditional Knowledge Through Template Licences.*

Discussant(s): Daniel Sui, The Ohio State University

5561. Geographies of Media XII: Music, Space, & Place (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Pacific Ballroom Salon 1, The LA Hotel, Level 2 (Paper Session)
ORGANIZER(S): John Finn, Christopher Newport University;

Joseph Palis, North Carolina State University

CHAIR(S): John Finn, Christopher Newport University

4:00 Alejandro Mercado-Celis*, UAM-C, *String Quartet #3 "Music for my neighbor". Spatial proximity and artistic collaboration..*

4:20 Cristiano Nunes Alves*, Universidade Estadual de Campinas, *Territorial dynamics and music: the sound circuit in Recife-PE, Brazil (1990 -2010).*

4:40 Hannah Gunderman*, University of Wyoming, *"Here We Are Now, Entertain Us": Exploring the Sense of Place Created by the Grunge Music Scene in Seattle.*

5:00 Bob Alexander*, Rural Livelihood Risk Management Consulting, *Uses and Repression of Music Illuminating Marginalization and Resulting Human Security Risks.*

5:20 Benjamin Capellari*, Ecole Normale Supérieure, Paris, *Geography and Music: Time and Space in Wagnerian Opera.*

5562. Author Meets Critics: George Henderson's Value in Marx: The Persistence of Value in a More-Than-Capitalist World

Room: Pacific Ballroom Salon 2, The LA Hotel, Level 2 (Panel Session)

ORGANIZER(S): Bruce Braun, University of Minnesota - Minneapolis

CHAIR(S): Bruce Braun, University of Minnesota - Minneapolis

Discussant(s): Katherine Gibson, University of Western Sydney; Noel Castree, University of Manchester; David B. Clarke, Swansea University; Alex Loftus, King's College London; Susan Ruddick, University of Toronto; George Henderson, University of Minnesota

5563. The Urban at a time of crisis (session 2) (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)

Room: Pacific Ballroom Salon 3, The LA Hotel, Level 2 (Paper Session)

ORGANIZER(S): Antonios Vradis; Dimitris Dalakoglou, University of Sussex

CHAIR(S): Antonios Vradis

4:00 Dimitris Dalakoglou*, University of Sussex, *Crisis and the City: An Ethnography of the state of exception in Athens.*

4:20 Victoria Habermehl*, University of Leeds, *Within, against and beyond the ruins of the contemporary city: everyday resistance in the Sem Teto movement, Rio De Janeiro..*

4:40 Deen Sharp*, CUNY GC, *Downtown Cairo and the Fall of Mubarak.*

5:00 Jacken Waters*, University of Sussex, *London 2012 as strategy against crisis: transforming space into value.*

5570. Water Sustainability: Conservation

Room: Athenian, Biltmore, Mezzanine Level (Paper Session)

ORGANIZER(S): Melissa J. Rura, UMNC

CHAIR(S): Oludamilola Eyelade, University of Redlands

4:00 Robin Hale*, Appalachian State University; Christopher Badurek, Appalachian State University; Kristan Cockerill, Appalachian State University, *Water Conservation and Decision-maker Perceptions in Southern Appalachia.*

4:20 Assaf Alhawass*, King Saud University, *Socio Impacts of Dust Storms on Daily Water Consumption in the City of Riyadh, Saudi Arabia.*

4:40 Mohd Al-Kuwari*, Qatar University, *Arid zone Water Management and Sustainability in the State of Qatar.*

5:00 Damilola Eyelade*, University of Redlands, *Net Zero Water*

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5571. Revisiting Theories of Urban Metabolism (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: *Bernard's, Biltmore, Lobby Level* (Panel Session)
 ORGANIZER(S): Joshua Newell, University of Michigan;
 Stephanie Pincetl, University of California
 CHAIR(S): Stephanie Pincetl, University of California
 Panelists: Joshua Newell, University of Michigan; Mikhail
 Chester, Arizona State University; Elizabeth Rapoport;
 Diane Pataki, University of Utah

5572. Memory and City

Room: *Cordoban, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Sophie Didier, U Paris 13
 CHAIR(S): Frederic Dufaux, University Paris Ouest Nanterre
4:00 Helena Holgersson*, University of Gothenburg, *Negotiating the Past and the Future in the Gentrification of Kvillebäcken in Gothenburg, Sweden.*
4:20 Sophie Didier*, Univ. Paris 13 // Mosaïques; Naomi Roux, Univ. London, Birkbeck college, *Yeoville now, Yeoville then : interpreting neighborhood change in Johannesburg through residents' memories.*
4:40 XUEJUAN ZHANG*, Royal Holloway University of London, *Dimensions of Tragic Heritage Narration: Heritage, Identity and Sense of Place in Sichuan Province after the 12th May 2008 Earthquake in China.*
5:00 Frederic Dufaux*, University Paris Ouest Nanterre, *of a few remarkable trees in Nanterre, France. The scarce memories of Nanterre's "bidonvilles" under the pressure of hegemonic narratives..*
5:20 Martha De Alba*, Universidad Autonoma Metropolitana, Iztapalapa, *What happened with Tepito? Reconstructing social memory of a neighborhood in Mexico City.*

5573. Beyond Walls and Cages: A Roundtable on the Intersection of Criminal and Migration Policies

Room: *Corinthian, Biltmore, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Andrew Burridge, International Boundaries Research Unit; Jenna Loyd, Syracuse University
 CHAIR(S): Andrew Burridge, International Boundaries Research Unit
 Introducer: Andrew Burridge
 Discussant(s): Lauren Martin, University of Oulu
 Panelists: Monica Varsanyi, City University of New York; Zoe Hammer, Prescott College; Rashad Shabazz, The University of Vermont; Sarah Launius, University of Arizona; Jenna Loyd, Syracuse University; Matthew Mitchelson, Kennesaw State University

5574. High-tech Industry Development: A Comparative Perspective

Room: *Corsican, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Alain Thierstein, Munich University of Technology
4:00 Robert Habans*, University of Illinois at Chicago, *Urban Biomedical Districts: Where the Bioeconomy, Health Care Reform, and Entrepreneurial Urban Policy Meet.*
4:20 Maja Savic*, Birkbeck and Middlesex University, *Demand and supply side determinants of performance of UK Knowledge Intensive Business Services (KIBS) SMEs before and during the current recession.*
4:40 Agata Mischczyk*, Macalester College, *Medical Metropolis: The Impacts of the Healthcare Industry on the Development of Rochester, Minnesota.*
5:00 Taner Osman*, University of California, Los Angeles (UCLA), *Inter-jurisdictional competition and the Information Technology Industry in the San Francisco Bay Area.*

5:20 Alain Thierstein*, Munich University of Technology; Sven Conventz, Munich University of Technology; Florian Wiedmann, Qatar University; Ashraf M. Salama, Qatar University, *When the Oryx takes off: Doha a new rising knowledge hub in the Gulf-region?.*

5575. Urban Policy and Planning

Room: *Florentine, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Brian Stromberg, Rutgers University
4:00 Koen Smet*, University of Salzburg, *The accumulation regime of Salzburg and its interaction with the housing markets.*
4:20 Shaun Smith*, Royal Holloway, University of London, *Ideologies and power in the course of evictions.*
4:40 Ana M Povoas*, Ecole polytechnique fédérale de Lausanne, *Spatial justice: towards a legitimate space.*
5:00 Brian Stromberg*, Rutgers University, *Movement towards the model? Community land trusts in dichotomy.*
5:20 Kevin Kane*, Arizona State University; Rachel Weber, University of Illinois at Chicago, *Street Lights or Subsidies? Municipal Investment and Property Tax Appreciation in Chicago's Tax Increment Financing Districts.*

5576. Identity and Sense of Place

Room: *Grecian, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Mark Hummer, University of Kansas
4:00 Pia Anderson*, American University of Sharjah, *Place, Memory and Bonds of Identity in the Musandam, Oman.*
4:20 In Hye Oh*, Seoul National University, *Korean-American's Sense of Place and Behavior Characteristic on North Korea.*
4:40 Maria K. Legault*, University of Waterloo, Department of Geography and Environmental Management; Bryan S.R. Grimwood, University of Waterloo, Department of Recreation and Leisure Studies, *Sense of Place on Hiking Trails and Implications for Management in Southwestern Ontario, Canada.*
5:00 Mark Hummer*, University of Kansas, *Discourse, Popular Images, and History in Salt Lake City, Utah.*

5578. Questioning Generosity in the Golden Age of Philanthropy

Room: *Mediterranean, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Iain Hay, Flinders University
 CHAIR(S): Iain Hay, Flinders University
 Introducer: Iain Hay
4:05 Iain Hay*, Flinders University, *Looking a gift-horse in the mouth?. Questioning generosity in the Golden Age of Philanthropy..*
4:25 Katharyne Mitchell*, University of Washington; Chris Lizotte, PhC, University of Washington, *Philanthro-capitalism, Education, and the New Neoliberalism.*
4:45 Matthew Sparke*, University of Washington, *Philanthro-capitalism, Global Health and the New Washington Consensus.*
5:05 John Mohan*, University of Southampton, *Philanthropy and the "big society" in the UK: the question of "charity deserts".*

5579. Remote Sensing and Land Cover

Room: *Moroccan, Biltmore, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Sean P. Griffin, US Government
4:00 Xiao-Peng Song*, Global Land Cover Facility, Department of Geographical Sciences, University of Maryland, College Park, MD 20742, USA; Joseph O. Sexton, Global Land Cover Facility, Department of Geographical Sciences, University

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of Maryland, College Park, MD 20742, USA;
 Praveen Noojipady, Global Land Cover Facility,
 Department of Geographical Sciences, University
 of Maryland, College Park, MD 20742, USA;
 Anupam Anand, Global Land Cover Facility,
 Department of Geographical Sciences, University
 of Maryland, College Park, MD 20742, USA;
 Chengquan Huang, Global Land Cover Facility,
 Department of Geographical Sciences, University
 of Maryland, College Park, MD 20742, USA;
 Saurabh Channan, Global Land Cover Facility,
 Department of Geographical Sciences, University of
 Maryland, College Park, MD 20742, USA; John R.
 Townshend, Global Land Cover Facility, Department
 of Geographical Sciences, University of Maryland,
 College Park, MD 20742, USA, *A global percent tree
 cover map at Landsat resolution by reflectance-based
 downscaling of MODIS continuous fields.*

4:20 Weimin Li*, California State Polytechnic University at
 Pomona, *Constructing 3D Urban Landscape with High
 Resolution Remote Sensing Imageries and LiDAR
 Data.*

4:40 Yvette P Greene*, U.S. Government; Sean P. Griffin*,
 US Government, *Spectral extension of MODIS
 surface reflectance data to cross-calibrate medium-
 to-fine resolution data for operational agricultural
 monitoring.*

5580. China's water resources (Sponsored by China Specialty Group, Symposium on New Geographies of Urban China, Water Resources Specialty Group)

Room: Roman, Baltimore, Mezzanine Level (Paper Session)

ORGANIZER(S): Wei Xu, University of Lethbridge

CHAIR(S): Hong Yang, Swiss Federal Institute for Env Sci and
 Tech

4:00 Yaning Chen*, Baofu Li, *Study on the issue of water
 resources in the northwest of China.*

4:20 Rongrong Wan*, Nanjing Institute of Geography &
 Limnology, Chinese Academy of Sciences, Nanjing,
 China; Guishan Yang, Nanjing Institute of Geography
 & Limnology, Chinese Academy of Sciences, Nanjing,
 China; Xue Dai, Nanjing Institute of Geography &
 Limnology, Chinese Academy of Sciences, Nanjing,
 China, *Water level variation and water security
 assessment for Poyang Lake, China.*

4:40 Lu Lin*, The Chinese University of Hong Kong, *The Water-
 Energy Nexus in China: a Virtual Water Approach
 Using Input-output Tables.*

5:00 Hong Yang, Professor*, Swiss Federal Institute for Env Sci
 and Tech, *Impact of China's Economic Growth on Its
 Water Resources - A Regional and Sectoral Assessment.*

5:20 Xuegong Xu*, College of Urban and Environmental
 Sciences & Laboratory for Earth Surface Process of
 Ministry of Education, Peking University, Beijing
 100871, China; Zongwen Ma, China Science and
 Technology Exchange Center; Gaoru Zhu, Transport
 Planning and Research Institute, Ministry of Transport
 of the People's Republic of China; Hui Wang, College
 of Urban and Environmental Sciences & Laboratory
 for Earth Surface Process of Ministry of Education,
 Peking University, Beijing 100871, China, *Land and
 Water Resource Issues, Changes and Sustainable
 Approaches in the Intensive Developing Coastal Zone:
 a Case of the Bohai Bay, China.*

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

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1108,1208,1442,1542,1642,2150,2202,2250,2402,2450,2502,2550,2602,2650,2802,3126,3201,3401,3501,3601,3906,4155,4201,4242,4401,4501,4518,4601,4627,5126,5156,5226,5256,5455,5555

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1143,2140,2240,2522,2602,2644,2809,3401,3440,3538,3540,3608,3638,4137,4141,4201,4237,4241,4437,4501,4553,4627

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1141,1142,1242,1271,2111,2142,2211,2242,2411,2511,3102,3202,3402,3460,3509,3545,3602,3605,3645,4111,4151,4156,4211,4434,4451,4534,4551,4576,4634,4676,4927,5154

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1104,1110,1111,1141,1204,1210,1211,1227,1271,1410,1411,1419,1427,1434,1510,1511,1519,1527,1610,1611,1619,1627,2103,2141,2142,2154,2175,2208,2242,2243,2254,2256,2261,2275,2408,2420,2452,2453,2454,2461,2508,2520,2542,2554,2555,2561,2573,2607,2608,2626,2642,2654,2661,3103,3108,3142,3143,3159,3161,3203,3208,3220,3226,3259,3261,3263,3426,3442,3459,3463,3476,3526,3542,3550,3553,3560,3642,3650,3653,3660,3664,3916,4118,4126,4137,4138,4151,4171,4218,4237,4238,4250,4271,4418,4434,4437,4450,4451,4518,4534,4550,4551,4553,4602,4605,4634,4650,4651,5102,5129,5135,5136,5171,5202,5229,5235,5236,5271,5402,5429,5436,5463,5471,5502,5536,5547,5563,5571

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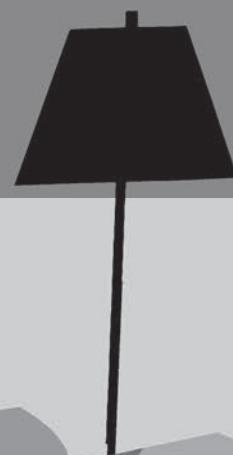
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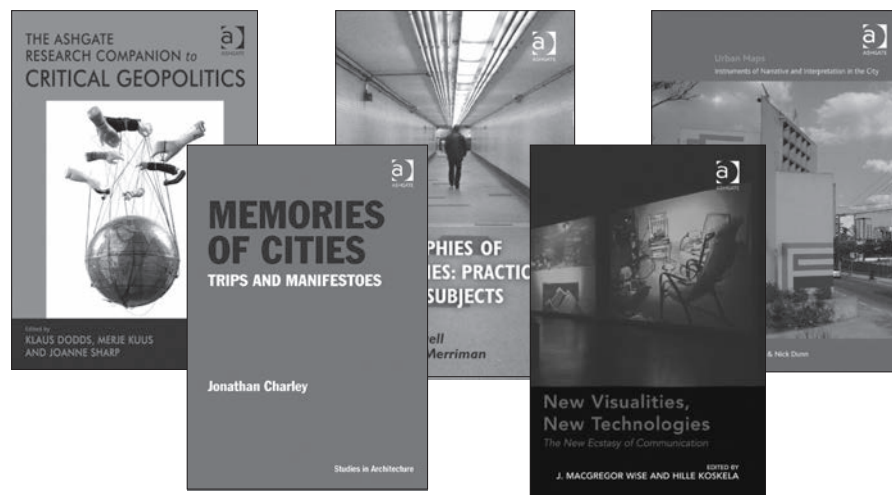
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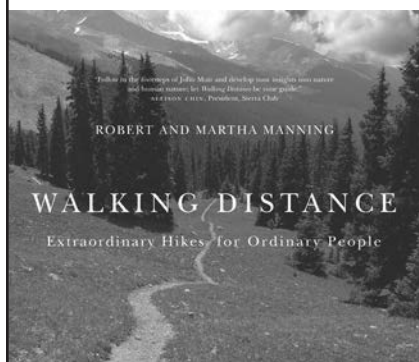
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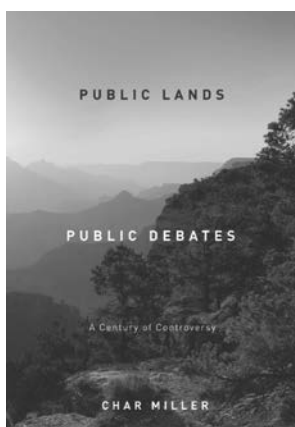
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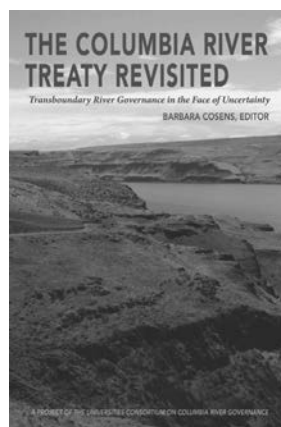
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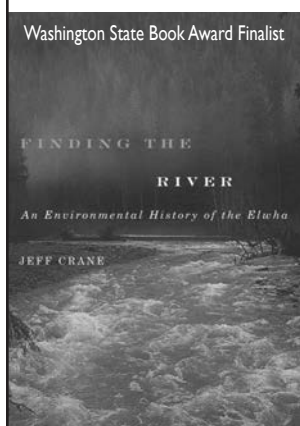
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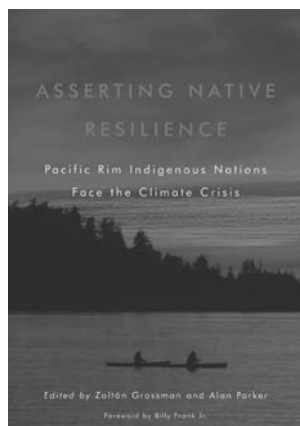
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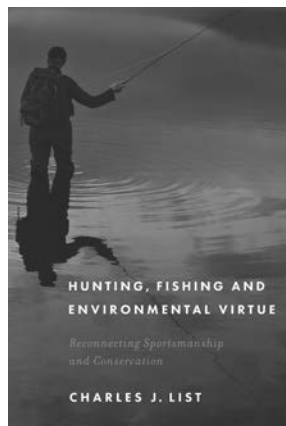
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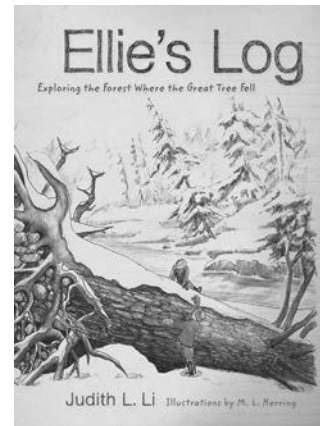
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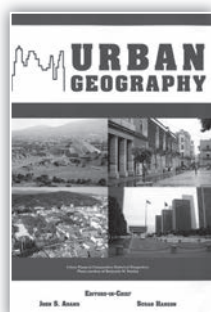
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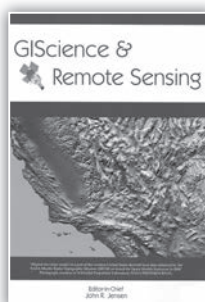
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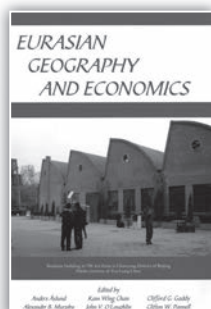


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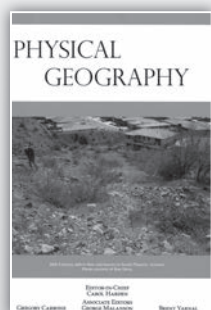


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