

# THE ASSOCIATION OF AMERICAN GEOGRAPHERS



**2015 Annual Meeting**  
**April 21-25, 2015**  
**Chicago, Illinois**

## PROGRAM

The Association of American Geographers  
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Washington, DC 20009-3198  
Phone (202) 234-1450  
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[www.aag.org](http://www.aag.org)

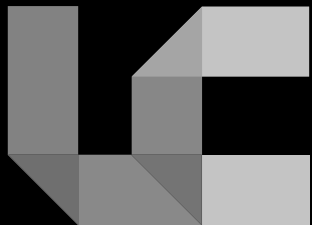
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*iOS, Android and Blackberry*



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**AAG 2015 Mobile App for  
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 Darryl T. Cohen, US Census Bureau  
 Paisly Di Bianca, US Environmental Protection Agency  
 Lakhbir K. Jassal  
 Cynthia Malone, Columbia University  
 Priscilla McCutcheon, University of Connecticut

## GENERAL INFORMATION

### ACCESSIBILITY

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

### ALCOHOL

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

### BAGS/COATS/PACKAGES

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

### CHILD CARE

The AAG is pleased to announce that it is launching new, full-time, professionally managed and staffed onsite childcare services for the 2015 Annual Meeting in Chicago, at the Hyatt Hotel from April 21 to 25, 2015.

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

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

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

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

Tuesday, April 21	7:30 a.m. – 8:00 p.m.
Wednesday, April 22	7:30 a.m. – 7:30 p.m.
Thursday, April 23	7:30 a.m. – 7:30 p.m.
Friday, April 24	7:30 a.m. – 7:30 p.m.
Saturday, April 25	7:30 a.m. – 6:00 p.m.

The AAG will cover all of the very substantial overall costs to hire ACCENT to establish and staff the onsite childcare facility, and will also subsidize their hourly childcare rates. ACCENT's standard hourly rate for childcare is \$12 for children

ages 6 months to 3 years and \$10 for children ages 3 to 12 years. In addition to paying for all of the facility and staffing costs, the AAG will also subsidize the hourly rates by 50% for this first year.

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

### LACTATION ROOM

For the benefit of nursing mothers, AAG has provided a lactation room for this year's annual meeting. Please visit the volunteer desk in the Grand Foyer on the Gold Level in the East Tower of the Hyatt, for more information.

### CONFERENCE VOLUNTEERS

Please report to the Conference Volunteer Desk next to the AAG Registration Desk located in the Grand Foyer, on the Gold Level, of the East Tower of the Hyatt Hotel no later than 20 minutes prior to your first scheduled shift. Upon check in you will receive all pertinent information and instructions regarding your duties.

### EXHIBITS

A vital part of the AAG Annual Meeting is the exhibit hall, where AAG members and attendees can see the latest technology 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 Riverside Exhibit Hall, on the Purple Level of the West Tower. See page 84-86 for an AAG Exhibit Hall floor plan and list of exhibitors.

### EXHIBIT HALL HOURS

Wednesday, April 22	11:30 a.m. – 7:30 p.m.	Exhibit Hall Open
	4:30 p.m. - 7:30 p.m.	<i>Reception and Happy Hour in the Hall</i>
Thursday, April 23	11:30 a.m. – 7:30 p.m.	Exhibit Hall Open
	4:30 p.m. - 7:30 p.m.	<i>Reception and Happy Hour in the Hall</i>
Friday, April 24	9:30 a.m. - 1:30 p.m.	Exhibit Hall Open
	11:30 a.m. - 1:30 p.m.	<i>Coffee Break and Snacks in the Hall</i>

## GENERAL INFORMATION

### EXHIBIT HALL TWITTER SCAVENGER HUNT

Back for 2015, the AAG will offer a Twitter Scavenger Hunt in the Exhibit Hall. Participate in the scavenger hunt for an opportunity to win a complimentary 2016 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 AND WORKSHOPS

All field trips and workshops require advance registration. Please visit the AAG Registration Desk, located in the Grand Foyer on the Gold Level in the East Tower to register. Field trips will depart from Green Level, West Tower, outside on Stetson Avenue. We recommend arriving 15 minutes prior to your field trip start time to ensure a timely departure.

### INTERNET ACCESS

There is complimentary wireless internet access for attendees in the Hyatt and the Gleacher Center.

### MEETING VENUES

Sessions, workshops and special events will take place at three Chicago Properties: The Hyatt, The Swissotel and the Gleacher Center

#### **Hyatt**

151 East Wacker Drive  
Chicago, IL 60601  
312-565-1234

#### **Swissotel Chicago**

323 East Upper Wacker Drive  
Chicago, IL 60601  
312-565-0565

#### **Gleacher Center**

450 N Cityfront Plaza Dr.  
Chicago, IL 60611  
312-464-8787

#### **To access the Swissotel from the Hyatt:**

Depart the Hyatt E Upper Wacker Drive and take a right and follow E Upper Wacker Drive one and a half blocks until you reach the Swissotel on your right. Also, for indoor tunnel option, see map on page 15. Change last sentence: Also a bus is available on Tuesday and Wednesday (see page 20).

#### **To access the Gleacher Center from the Hyatt:**

Depart the Hyatt E Upper Wacker Drive and take a left and follow E Upper Wacker Drive one and a half blocks. Take a right on North Michigan Avenue and cross the Chicago River. Once across the bridge take Pioneer Court to the right and turn right onto N City Front Plaza Drive to find the Gleacher Center on your right. Also a bus is available (see page 20).

### MOBILITY ASSISTANCE

Visit the Conference Volunteer desk next to the AAG Registration Desk located in the Grand Foyer, on the Gold Level, of the East Tower of the Hyatt Hotel to arrange mobility assistance. You may also request assistance from any Conference Volunteer stationed in the lobby of the hotels or Gleacher Center.

### NON-SMOKING POLICY

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

### PHOTOGRAPHY AND VIDEOGRAPHY IN SESSIONS

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

### PRESENTATION CONTENT

The Annual Meeting of the 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 is located in the Grand Foyer on the Gold Level of the East Tower in the Hyatt Hotel. Registration will be open during the following hours:

Monday, April 20	4:00 p.m. - 7:00 p.m.
Tuesday, April 21	7:00 a.m. - 7:30 p.m.
Wednesday, April 22	7:00 a.m. - 6:00 p.m.
Thursday, April 23	7:30 a.m. - 5:30 p.m.
Friday, April 24	7:45 a.m. - 5:00 p.m.
Saturday, April 25	7:45 a.m. – 11:00 a.m.

### SESSION CHAIRS

See instructions on page 94.

## HYATT (EAST TOWER)

### Location of Meeting Rooms

*See pages 96-97 for the Key to Room Numbers and Session Numbers.*

#### East Tower, Rooms by Level:

##### **BLUE LEVEL:**

Level-Tower	Room Name	Room Code#
Blue Level - East Tower.....	Skyway 260.....	01
Blue Level - East Tower.....	Skyway 261 .....	02
Blue Level - East Tower.....	Skyway 265 .....	03
Blue Level - East Tower.....	Skyway 269 .....	04
Blue Level - East Tower.....	Skyway 272 .....	05
Blue Level - East Tower.....	Skyway 273 .....	06
Blue Level - East Tower.....	Skyway 281 .....	07
Blue Level - East Tower.....	Skyway 282 .....	08
Blue Level - East Tower.....	Skyway 283 .....	09
Blue Level - East Tower.....	Skyway 284 .....	10
Blue Level - East Tower.....	Skyway 285 .....	11

##### **GOLD LEVEL:**

Gold Level - East Tower .....	Columbus AB .....	13
Gold Level - East Tower .....	Columbus CD .....	14
Gold Level - East Tower .....	Columbus EF .....	15
Gold Level - East Tower .....	Columbus G.....	16
Gold Level - East Tower .....	Columbus H.....	17
Gold Level - East Tower .....	Columbus IJ.....	18
Gold Level - East Tower .....	Columbus KL .....	19
Gold Level - East Tower .....	Grand A.....	20
Gold Level - East Tower .....	Grand B .....	21
Gold Level - East Tower .....	Grand C/D North .....	22
Gold Level - East Tower .....	Grand C/D South .....	23
Gold Level - East Tower .....	Grand E/F .....	24
Gold Level - East Tower .....	Grand Suite 2 AB .....	25
Gold Level - East Tower .....	Grand Suite 3 .....	26
Gold Level - East Tower .....	Grand Suite 5 .....	27

##### **GREEN LEVEL:**

Green Level - East Tower .....	Plaza A.....	28
Green Level - East Tower .....	Plaza B.....	29

##### **LAKESHORE:**

Lakeshore - East Tower.....	Michigan A .....	65
Lakeshore - East Tower.....	Michigan B .....	66
Lakeshore - East Tower.....	Michigan C .....	67
Lakeshore - East Tower.....	Roosevelt .....	68
Lakeshore - East Tower.....	Randolph .....	69
Lakeshore - East Tower.....	Jackson Board Room .....	NA

##### **RIVERSIDE:**

Riverside - East Tower .....	Riverside Exhibit Hall .....	70
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*(AAG Exhibit Hall & Posters)*

#### East Tower, Rooms Alphabetically:

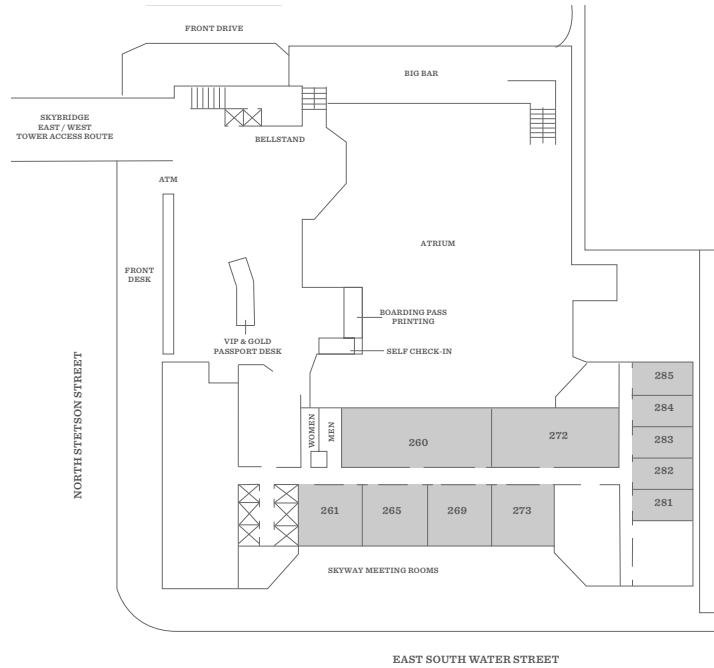
##### **EAST TOWER:**

Room Name	Room Code#	Level-Tower
Columbus AB.....	13 .....	Gold Level - East Tower
Columbus CD.....	14 .....	Gold Level - East Tower
Columbus EF .....	15 .....	Gold Level - East Tower
Columbus G .....	16 .....	Gold Level - East Tower
Columbus H .....	17 .....	Gold Level - East Tower
Columbus IJ .....	18 .....	Gold Level - East Tower
Columbus KL.....	19 .....	Gold Level - East Tower
Grand A .....	20 .....	Gold Level - East Tower
Grand B.....	21 .....	Gold Level - East Tower
Grand C/D North.....	22 .....	Gold Level - East Tower
Grand C/D South.....	23 .....	Gold Level - East Tower
Grand E/F .....	24 .....	Gold Level - East Tower
Grand Suite 2 AB .....	25 .....	Gold Level - East Tower
Grand Suite 3 .....	26 .....	Gold Level - East Tower
Grand Suite 5 .....	27 .....	Gold Level - East Tower
Jackson Board Room .	NA.....	Lakeshore - East Tower
Michigan A.....	65 .....	Lakeshore - East Tower
Michigan B.....	66 .....	Lakeshore - East Tower
Michigan C.....	67 .....	Lakeshore - East Tower
Plaza A .....	28 .....	Green Level - East Tower
Plaza B .....	29 .....	Green Level - East Tower
Randolph .....	69 .....	Lakeshore - East Tower
Riverside Exhibit Hall..	70 .....	Riverside - East Tower
Roosevelt.....	68 .....	Lakeshore - East Tower
Skyway 260.....	01 .....	Blue Level - East Tower
Skyway 261.....	02 .....	Blue Level - East Tower
Skyway 265.....	03 .....	Blue Level - East Tower
Skyway 269.....	04 .....	Blue Level - East Tower
Skyway 272.....	05 .....	Blue Level - East Tower
Skyway 273.....	06 .....	Blue Level - East Tower
Skyway 281.....	07 .....	Blue Level - East Tower
Skyway 282.....	08 .....	Blue Level - East Tower
Skyway 283.....	09 .....	Blue Level - East Tower
Skyway 284.....	10 .....	Blue Level - East Tower
Skyway 285.....	11 .....	Blue Level - East Tower

# HYATT (EAST TOWER)

## Blue Level, Lakeshore Level and Gold Level Floor Plans

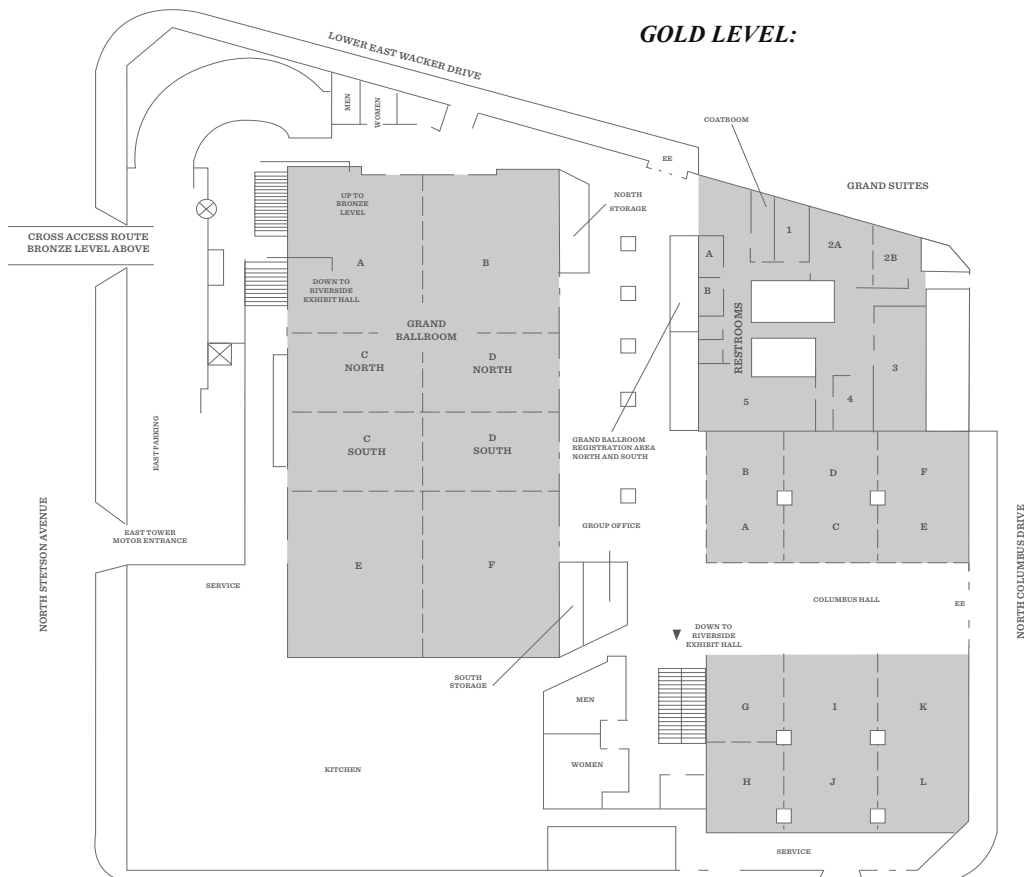
### BLUE LEVEL:



### LAKESHORE LEVEL:



### GOLD LEVEL:



## HYATT (WEST TOWER)

### Location of Meeting Rooms

*See pages 96-97 for the Key to Room Numbers and Session Numbers.*

#### West Tower, Rooms by Level:

##### BRONZE LEVEL:

Level-Tower	Room Name	Room Code#
Bronze Level - West Tower	Buckingham	12
Bronze Level - West Tower	Soldier Field	30
Bronze Level - West Tower	Columbian	31
Bronze Level - West Tower	Comiskey	32
Bronze Level - West Tower	Gold Coast	33
Bronze Level - West Tower	Haymarket	34
Bronze Level - West Tower	Picasso	35
Bronze Level - West Tower	Water Tower	36
Bronze Level - West Tower	Wrigley	37

##### GOLD LEVEL:

Gold Level - West Tower	Acapulco	38
Gold Level - West Tower	Atlanta	39
Gold Level - West Tower	Hong Kong	40
Gold Level - West Tower	New Orleans	41
Gold Level - West Tower	Regency A	42
Gold Level - West Tower	Regency B	43
Gold Level - West Tower	Regency C	44
Gold Level - West Tower	Regency D	45
Gold Level - West Tower	San Francisco	46
Gold Level - West Tower	Toronto	47

##### GREEN LEVEL:

Green Level - West Tower	Crystal A	48
Green Level - West Tower	Crystal B	49
Green Level - West Tower	Crystal C	50

##### PURPLE LEVEL:

Purple Level - West Tower	Stetson A	51
Purple Level - West Tower	Stetson BC	52
Purple Level - West Tower	Stetson D	53
Purple Level - West Tower	Stetson E	54
Purple Level - West Tower	Stetson F	55
Purple Level - West Tower	Stetson G	56

##### SILVER LEVEL:

Silver Level - West Tower	Addams	57
Silver Level - West Tower	Burnham	58
Silver Level - West Tower	Dusable	59
Silver Level - West Tower	Field	60
Silver Level - West Tower	Horner	61
Silver Level - West Tower	McCormick	62
Silver Level - West Tower	Ogden	63
Silver Level - West Tower	Wright	64
Silver Level - West Tower	Sandburg	71

##### TOP LEVEL:

Top Level - West Tower	Board of Trade	72
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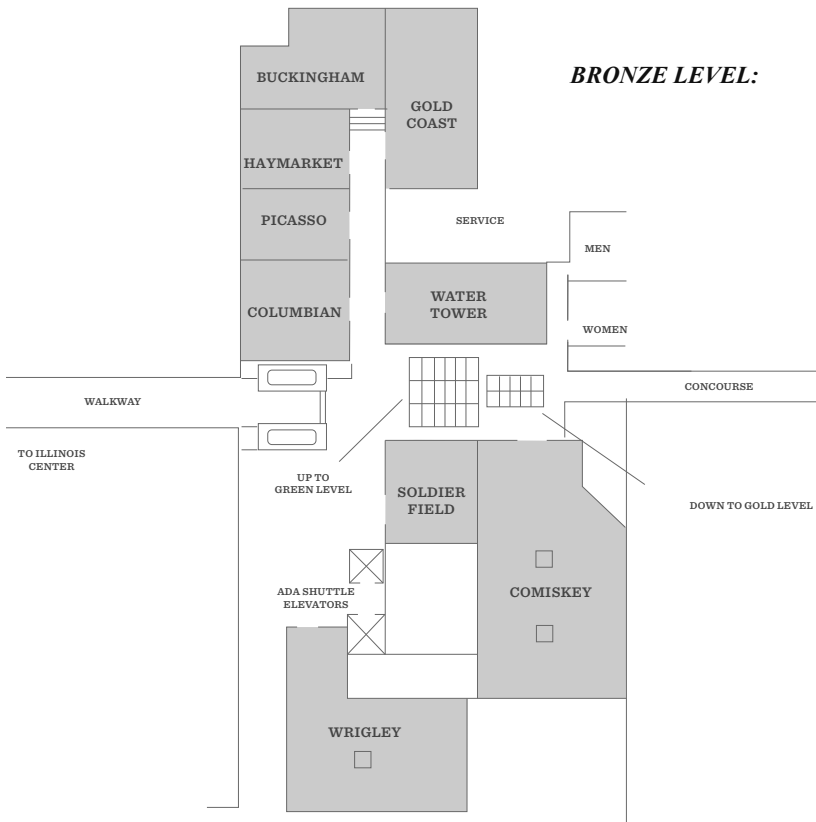
#### West Tower, Rooms Alphabetically:

##### WEST TOWER:

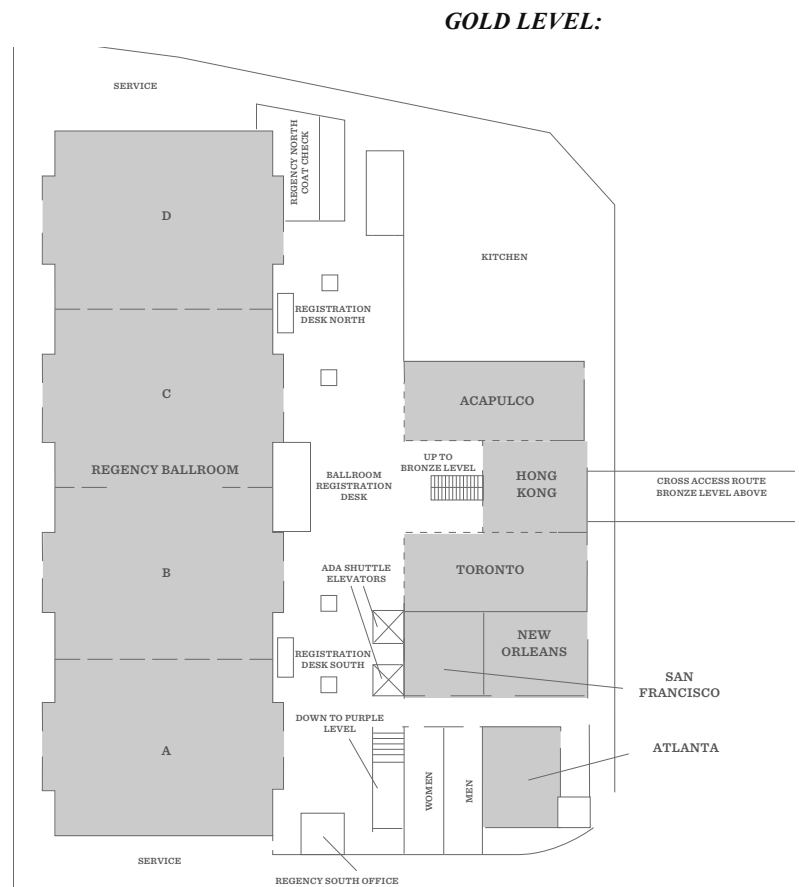
Room Name	Level-Tower	Room Code#
Acapulco	Gold Level - West Tower	38
Addams	Silver Level - West Tower	57
Atlanta	Gold Level - West Tower	39
Board of Trade	Top Level - West Tower	72
Burnham	Silver Level - West Tower	58
Buckingham	Bronze Level - West Tower	12
Columbian	Bronze Level - West Tower	31
Comiskey	Bronze Level - West Tower	32
Crystal A	Green Level - West Tower	48
Crystal B	Green Level - West Tower	49
Crystal C	Green Level - West Tower	50
Dusable	Silver Level - West Tower	59
Field	Silver Level - West Tower	60
Gold Coast	Bronze Level - West Tower	33
Haymarket	Bronze Level - West Tower	34
Hong Kong	Gold Level - West Tower	40
Horner	Silver Level - West Tower	61
McCormick	Silver Level - West Tower	62
New Orleans	Gold Level - West Tower	41
Ogden	Silver Level - West Tower	63
Picasso	Bronze Level - West Tower	35
Regency A	Gold Level - West Tower	42
Regency B	Gold Level - West Tower	43
Regency C	Gold Level - West Tower	44
Regency D	Gold Level - West Tower	45
San Francisco	Gold Level - West Tower	46
Sandburg	Silver Level - West Tower	71
Soldier Field	Bronze Level - West Tower	30
Stetson A	Purple Level - West Tower	51
Stetson BC	Purple Level - West Tower	52
Stetson D	Purple Level - West Tower	53
Stetson E	Purple Level - West Tower	54
Stetson F	Purple Level - West Tower	55
Stetson G	Purple Level - West Tower	56
Toronto	Gold Level - West Tower	47
Water Tower	Bronze Level - West Tower	36
Wright	Silver Level - West Tower	64
Wrigley	Bronze Level - West Tower	37

# HYATT (WEST TOWER)

## Bronze Level and Gold Level Floor Plans



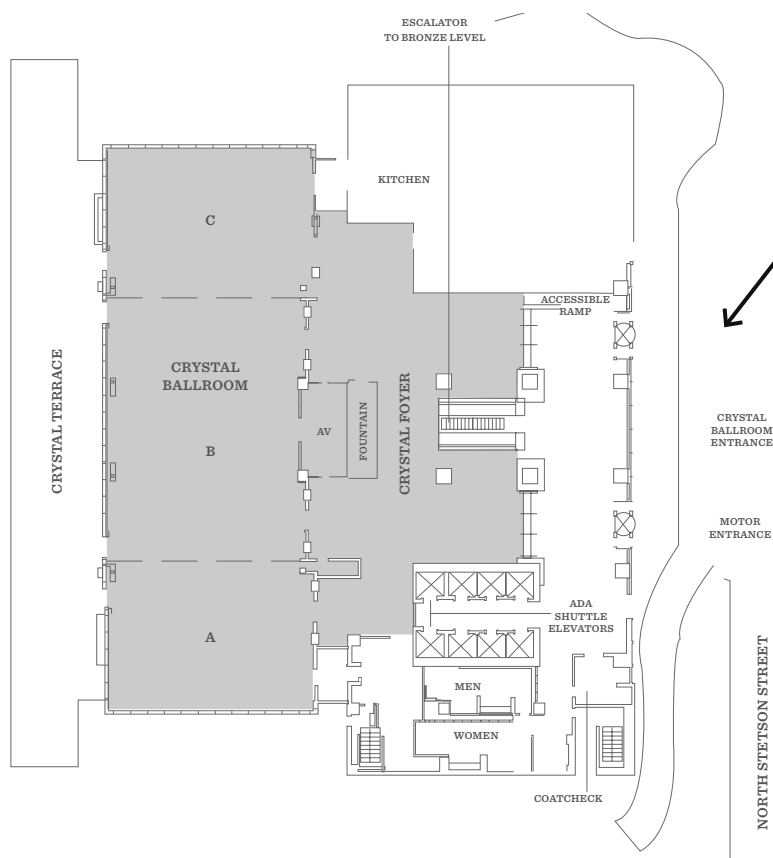
*West Tower - Purple, Green, and Silver floor plans are on the next page.*



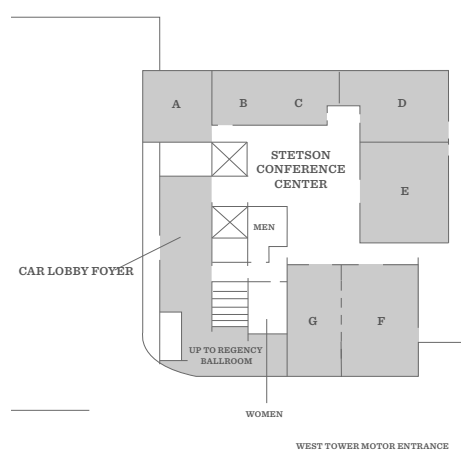
# HYATT (WEST TOWER)

## Green Level, Purple Level and Silver Level Floor Plans

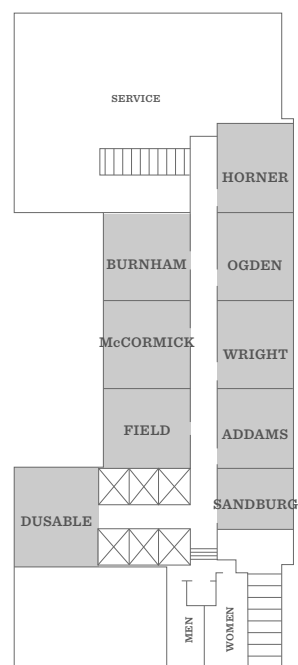
### GREEN LEVEL:



### PURPLE LEVEL:



### SILVER LEVEL:





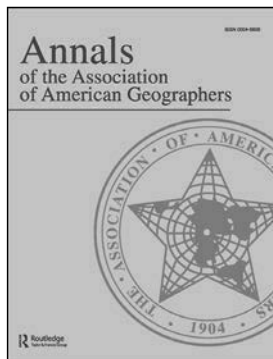


# AAG

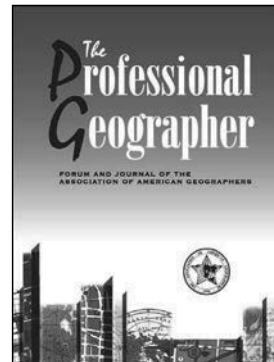
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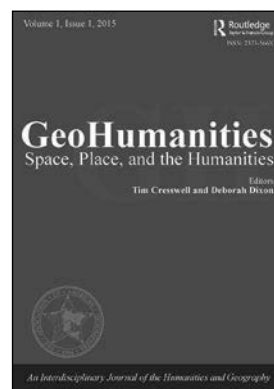
*The Annals of the Association of American Geographers* publishes original, timely, and innovative peer-reviewed articles that advance knowledge in all facets of the discipline. These articles address significant research problems and issues, and are attuned to the sensibilities of a diverse scholarly audience.



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*The AAG Review of Books*, a quarterly online journal of the AAG, holds scholarly book reviews as formerly published in the AAG's flagship journals, *Annals of the AAG* and *The Professional Geographer*, along with reviews of significant current books related more broadly to geography and public policy and/or international affairs.



### COMING SOON!

*GeoHumanities* is a new journal being launched by the Association of American Geographers and will be published by Taylor and Francis. *GeoHumanities* publishes original peer-reviewed articles that span conceptual and methodological debates in geography and the humanities.

**To access the AAG journals online,  
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# SWISSOTEL

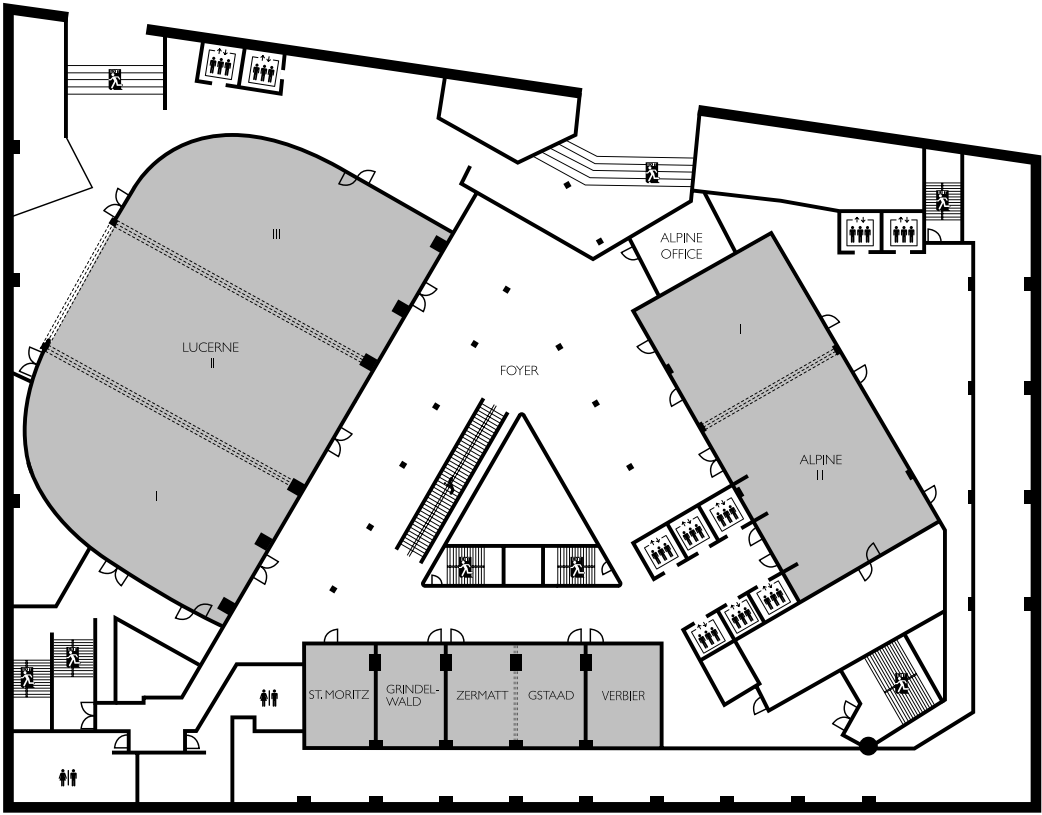
See pages 96-97 for the Key to Room Numbers and Session Numbers.

Rooms by *Level*:

Level	Room Name	Room Code#
Lucerne Level .....	Lucerne 1 .....	73
Lucerne Level .....	Lucerne 2 .....	74
Lucerne Level .....	Lucerne 3 .....	75
Lucerne Level .....	Alpine 1 .....	76
Lucerne Level .....	Alpine 2 .....	77
Lucerne Level .....	Zermatt/Gstaad .....	78
Lucerne Level .....	St Morits .....	79
Lucerne Level .....	Grindelwald .....	80
Lucerne Level .....	Verbier .....	81

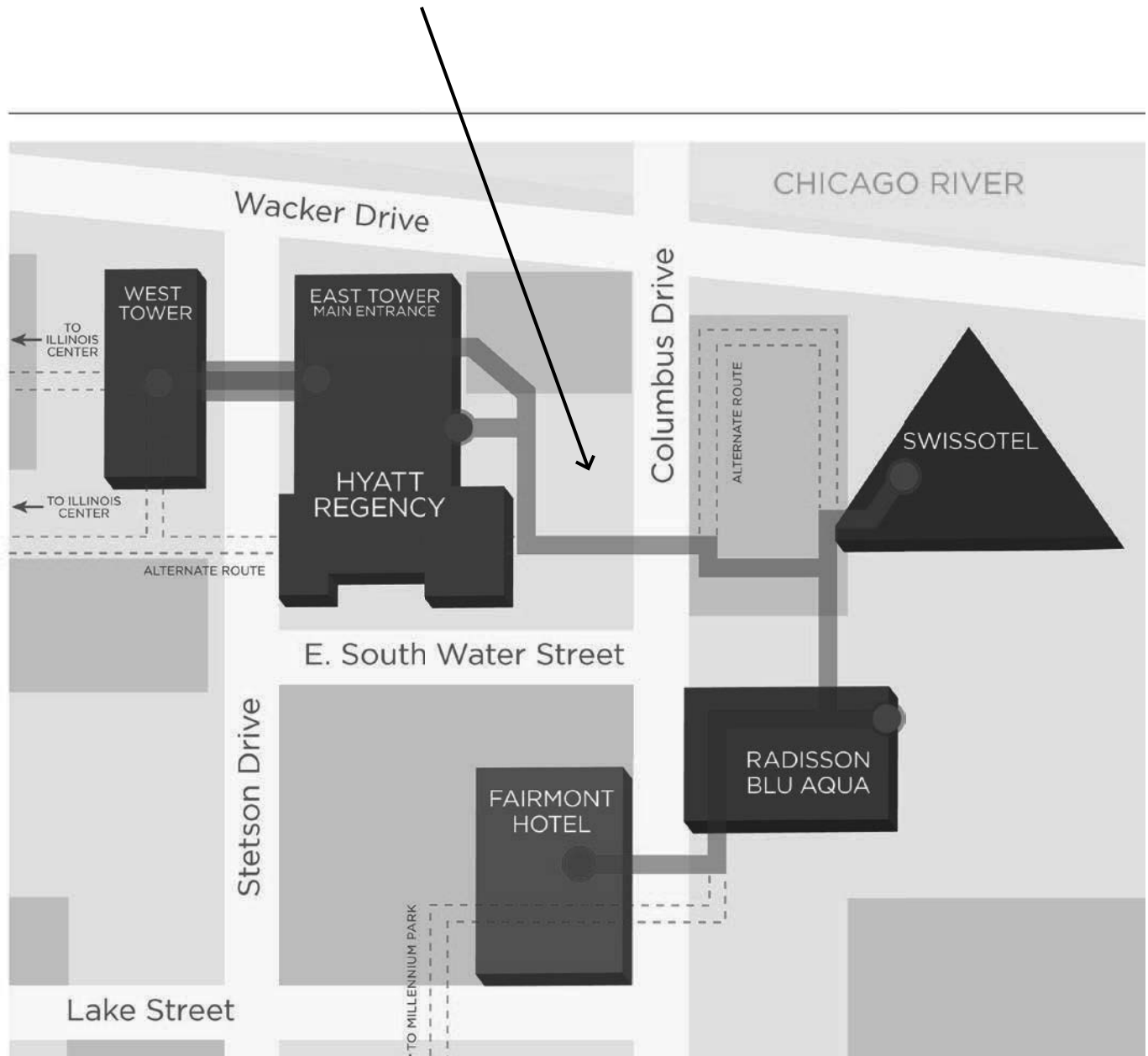
Rooms *Alphabetically*:

Room Name	Level	Room Code#
Alpine 1 .....	Lucerne Level.....	76
Alpine 2 .....	Lucerne Level.....	77
Grindelwald .....	Lucerne Level.....	80
Lucerne 1 .....	Lucerne Level.....	73
Lucerne 2 .....	Lucerne Level.....	74
Lucerne 3 .....	Lucerne Level.....	75
St Morits .....	Lucerne Level.....	79
Verbier .....	Lucerne Level.....	81
Zermatt/Gstaad .....	Lucerne Level.....	78



## PEDWAY BETWEEN SWISSOTEL & HYATT

**There is also an underground walk way - “The Pedway” - between the Hyatt and the Swissotel. See access points on the map below.**



GLEACHER CENTER

Location of Meeting Rooms

See pages 96-97 for the Key to Room Numbers and Session Numbers.

Rooms by Floor:

Rooms Alphabetically:

FIRST LEVEL

Level	Room Name	Room Code#
1st Level.....	100 Classroom .....	82

SECOND LEVEL

2nd Level .....	200 Classroom .....	83
2nd Level .....	203 Classroom .....	84
2nd Level .....	204 Classroom .....	85

THIRD LEVEL

3rd Level .....	300 Classroom .....	86
3rd Level .....	303 Classroom .....	87
3rd Level .....	304 Classroom .....	88
3rd Level .....	306 Classroom .....	89

FOURTH LEVEL

4th Level .....	406 Classroom .....	90
4th Level .....	422 Classroom .....	91

SIXTH LEVEL

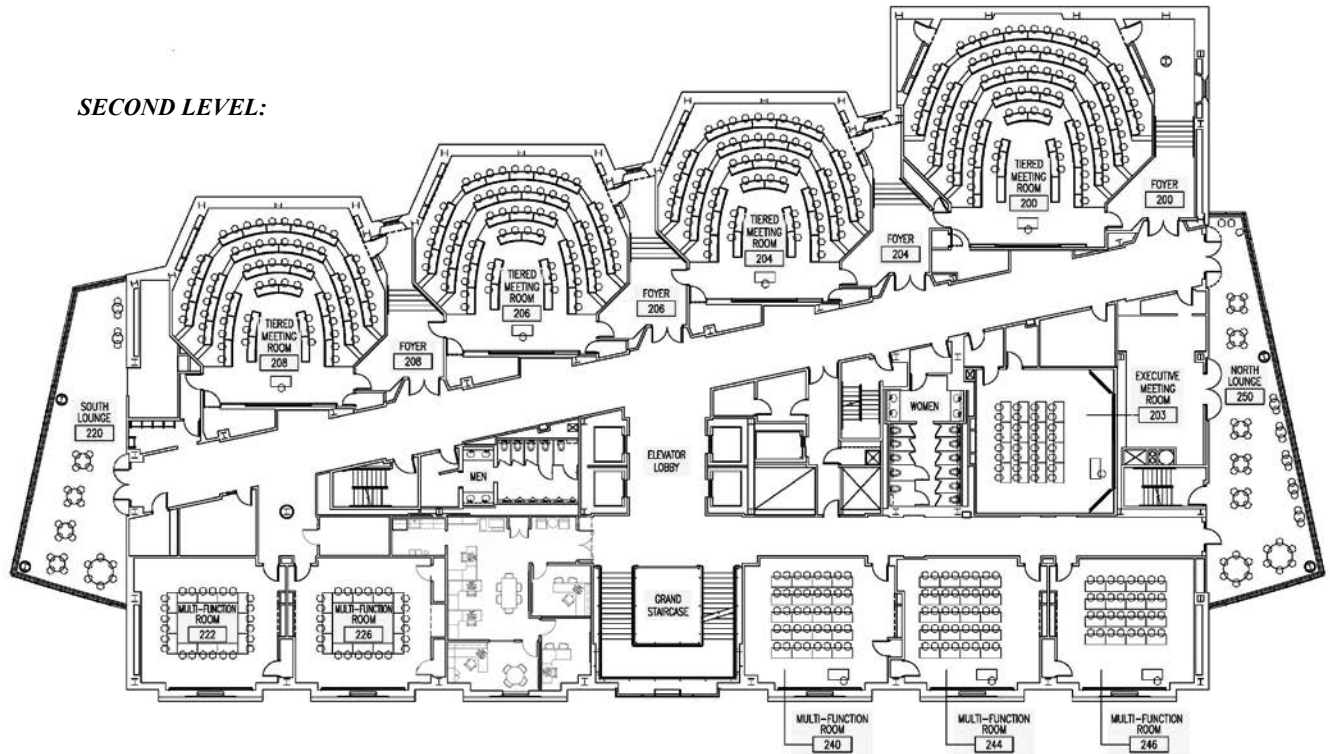
6th Level .....	600a Classroom .....	92
6th Level .....	600b Classroom .....	93
6th Level .....	602 Classroom .....	94
6th Level .....	604 Classroom .....	95
6th Level .....	608 Boardroom .....	96
6th Level .....	621 Executive Dining Room .....	97

Room Name	Level	Room Code#
100 Classroom .....	1st Level .....	82
200 Classroom .....	2nd Level .....	83
203 Classroom .....	2nd Level .....	84
204 Classroom .....	2nd Level .....	85
300 Classroom .....	3rd Level .....	86
303 Classroom .....	3rd Level .....	87
304 Classroom .....	3rd Level .....	88
306 Classroom .....	3rd Level .....	89
406 Classroom .....	4th Level .....	90
422 Classroom .....	4th Level .....	91
600a Classroom .....	6th Level .....	92
600b Classroom .....	6th Level .....	93
602 Classroom .....	6th Level .....	94
604 Classroom .....	6th Level .....	95
608 Boardroom .....	6th Level .....	96
621 Executive Dining Room ..	6th Level .....	97

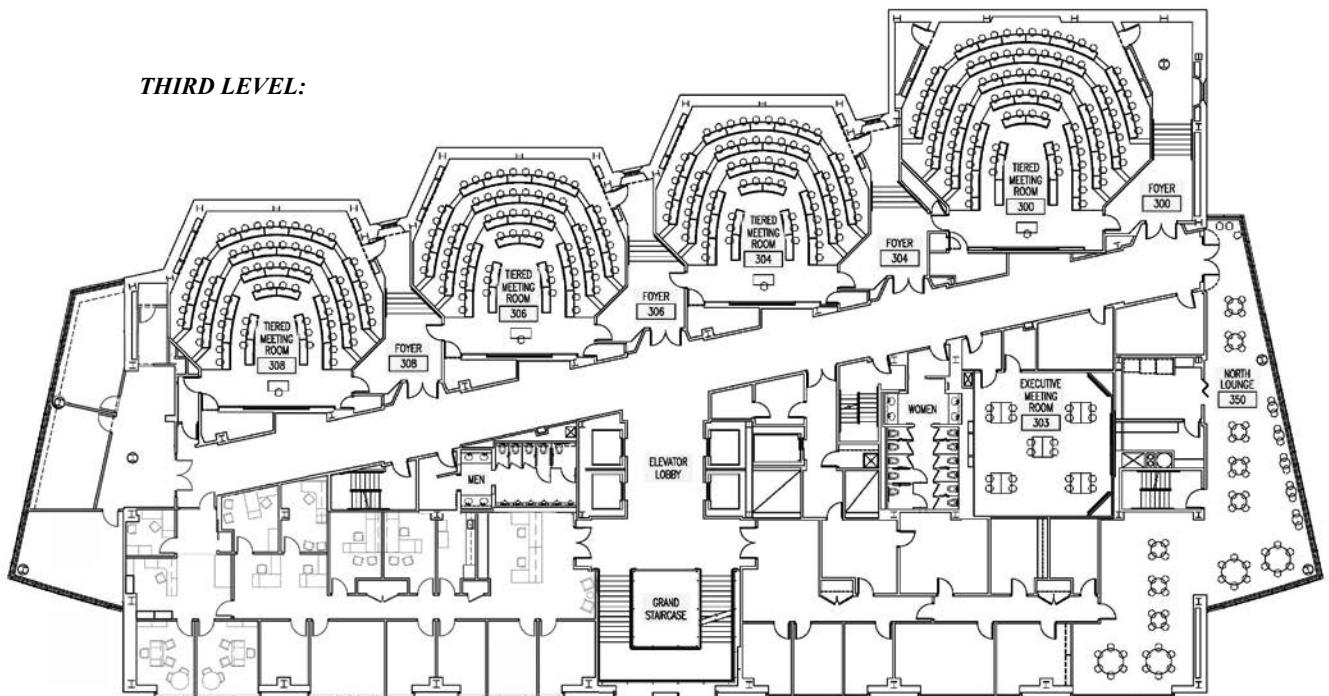
# GLEACHER CENTER

## Second Level and Third Level

### SECOND LEVEL:



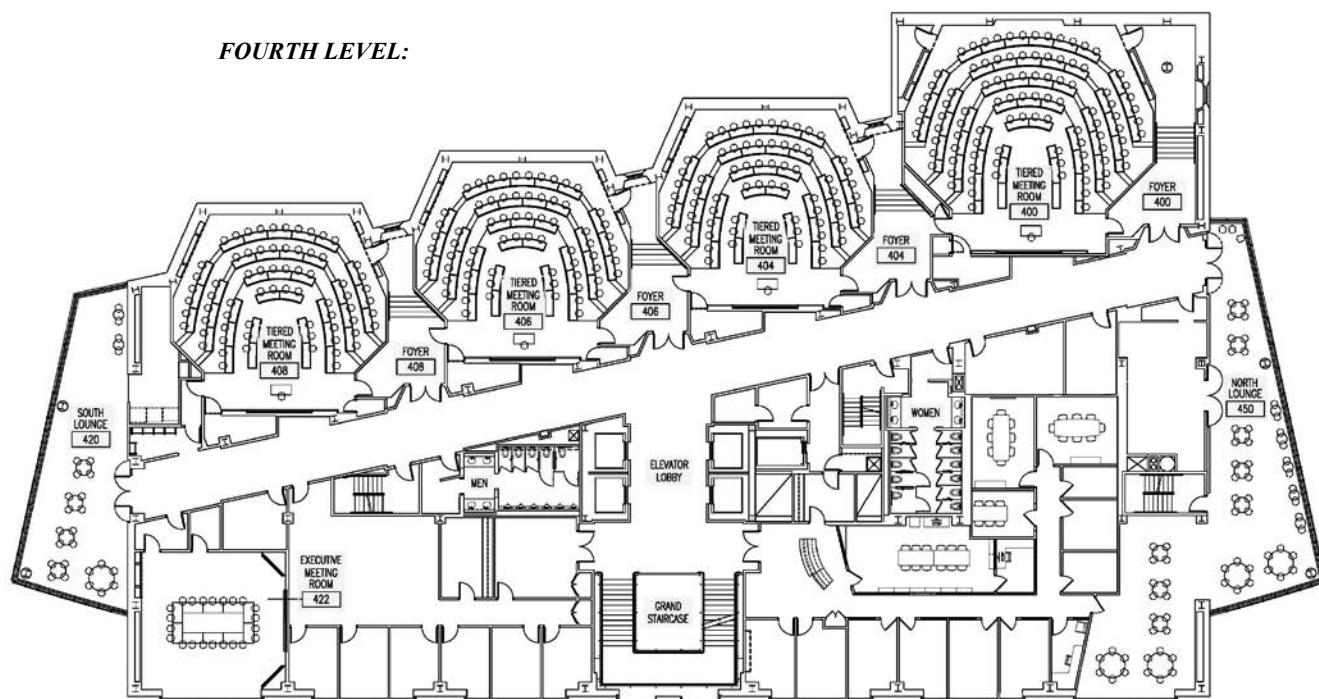
### THIRD LEVEL:



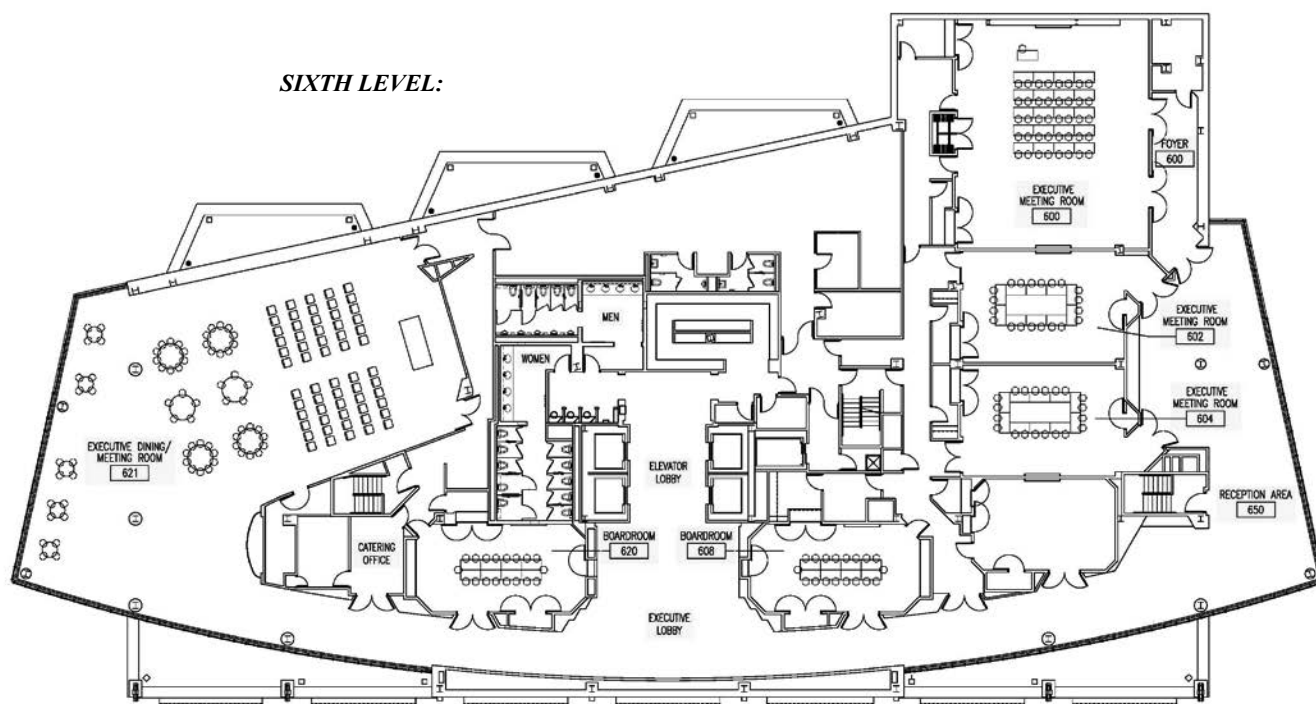
## GLEACHER CENTER

### Fourth Level and Sixth Level

#### FOURTH LEVEL:



#### SIXTH LEVEL:





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## *The Bloustein School welcomes new faculty in 2014-15!*



### **Mi Shih, PhD, Assistant Professor**

Teaching and research interests include international urbanization, land development and property rights, city redevelopment, and social protests and citizenship in China.



### **Sai Balakrishnan, PhD, Assistant Professor**

Teaching and research interests include institutions for managing rapid urbanization in the global south, comparative planning histories and theories, theories of justice, property rights and land markets, urban informality.

## **Bloustein School Presenters at 2015 AAG Conference:**

- Evan Casper-Futterman, Ph.D. candidate—*Practicing Economic Democracy Under Financialization*
- Xueying Chen, Ph.D. candidate—Co-Author, *Economic Development in Northeast China's Borderlands Areas Under the Framework of Regional Economic Integration* and Co-Author, *Homeownership in Middle America in the Post Crisis Era*
- Ryan M. Good, Ph.D. candidate—*Keeping Schools in their Place: Claims to Space and the Contestation of School Closures in Philadelphia*
- Robert Lake, Professor—*Where Materiality Meets Subjectivity: Locating the Political in the Contested Fiction of Urban Land*
- Kathe Newman, Professor—*Of Bodies and Bonds: The Financial and Legal Ties that Hold Us Together*
- Judd Schechtman, Ph.D. candidate, Cole Maloney, MCRP '13, Frank Popper, Professor and Deborah Popper—*The Boardwalk Commons: Lessons Learned from Large-Scale Environmental Restoration for Climate Change*
- Mi Shih, Professor—*Land Commodification and New Forms of Dispossession in Peri-Urban China*  
*Contesting Urban Space in East Asia: Recasting Neoliberalism upon Housing*
- Benjamin Teresa, Ph.D. candidate—*Managing the Fiction in Fictitious Capital: Tenant Activism, Policy, and Distressed Debt in New York City*

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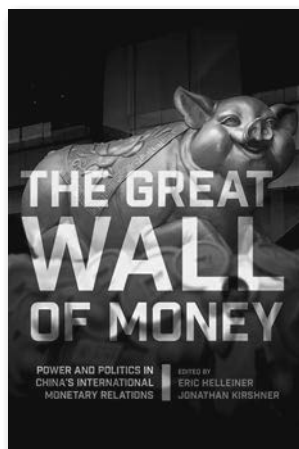
## AAG SHUTTLE BUSES

On Tuesday and Wednesday, there will be events held at the Hyatt, Swissotel, and Gleacher Center at the University of Chicago. The AAG will be providing shuttle buses to and from all three locations all-day April 21<sup>st</sup> and 22<sup>nd</sup>. See below for departure times at each location. All buses will be operating on a circuit between the different locations while events are taking place.

<b>HYATT</b> Departure Times	<b>SWISSOTEL</b> Departure Times	<b>GLEACHER</b> Departure Times
<b><i>TUESDAY</i></b>	<b><i>TUESDAY</i></b>	<b><i>TUESDAY</i></b>
7:45AM	7:45AM	7:45AM
9:45AM	9:45AM	9:45AM
11:45AM	11:45AM	11:45AM
2:25PM	2:25PM	2:25PM
4:25PM	4:25PM	4:25PM
6:25PM	6:25PM	6:25PM
<b><i>WEDNESDAY</i></b>	<b><i>WEDNESDAY</i></b>	<b><i>WEDNESDAY</i></b>
7:45AM	7:45AM	7:45AM
9:45AM	9:45AM	9:45AM
11:45AM	11:45AM	11:45AM
1:05PM	1:05PM	1:05PM
3:05PM	3:05PM	3:05PM
5:05PM	5:05PM	5:05PM



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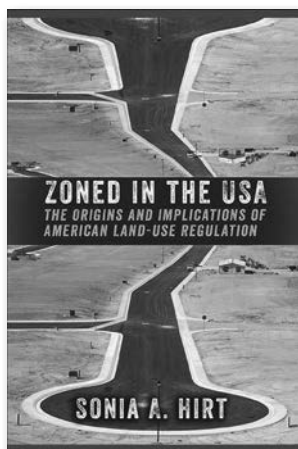
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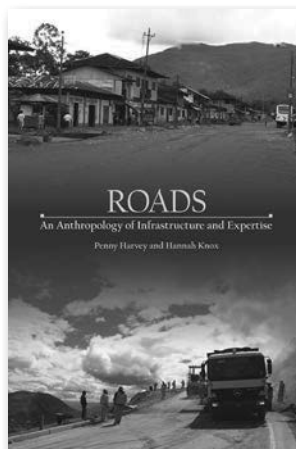
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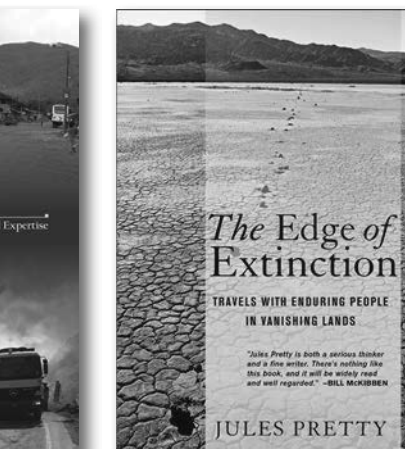
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## PLENARY SESSIONS AND SPECIAL EVENTS

### TUESDAY, APRIL 21

#### **The Changing Map of the Arctic: Former Lieutenant Governor of Alaska Mead Treadwell**

Tuesday, April 21, 11:50 a.m. - 12:30 p.m.

*Room: Crystal A, Hyatt, West Tower, Green Level*

Organizer and Chair: **Timothy Edmund Heleniak**,  
George Washington University

Sponsors: Polar Geography Specialty Group, Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group

It is almost trite to say that the Arctic is undergoing rapid change. This includes climate change from faster warming than most of the rest of the planet, economic change from the search for resources brought about by thinning sea ice and melting permafrost, and political changes from new actors in the Arctic and new governance regimes. There are few people better equipped to understand and explain these changes than Mead Treadwell who will deliver a keynote address on the changing map of the Arctic. He has served on the United States Arctic Research Commission starting in 2001, and in 2006 was appointed chair of the commission. In 2010, he was elected as Lieutenant Governor of Alaska.

#### **AAG Annual Meeting Opening Session**

Tuesday, April 21, 6:30 p.m. - 8:30 p.m.

*Room: Grand Ballroom CD South & EF, East Tower, Gold Level*

Welcoming Remarks:

**Douglas Richardson**, AAG Executive Director

**Mona Domosh**, AAG President, Dartmouth College

#### **Presidential Plenary Session: "Radical Intra-Disciplinarity"**

Sponsor: **Radical Intra-Disciplinarity Theme**

This session brings together human, physical, environmental and geospatial geographers to highlight and celebrate the creative and radical possibilities of our discipline being so "un"disciplined. To do so, the session is organized into five themes (nature, time, visuality, justice, and landscape), each of which will be addressed by a team of two geographers coming from different scholarly traditions and areas of expertise. Participants include Martin Doyle and Becky Mansfield on Nature, Patrick Bartlein and Stephen Daniels on Time, Harriet Hawkins and Sarah Elwood on Visuality, Josh Barkan and Laura Pulido on Justice, and Tariq Jazeel and Dan Friess on Landscape.

### WEDNESDAY, APRIL 22

#### **Recent Developments in Health Research**

Wednesday, April 22, 8:00 a.m. - 9:40 a.m.

*Room: Plaza B, Hyatt, East Tower, Green Level*

Organizer: Douglas Richardson, Association of American Geographers

Chair: John Wertman, Association of American Geographers

Speakers:

**Yonette Thomas**, Association of American Geographers,  
Human Subjects Protection: Proposed Revisions to the Common Rule: Perspectives of Social and Behavioral Sciences

**Jo Ivey Boufford**, The New York Academy of Medicine, International Urban Health Research: Trends and Collaborations

#### **Opening Plenary: Symposium on International Geospatial Health Research: Creating Synergies**

Wednesday, April 22, 10:00 a.m. - 11:40 p.m.

*Room: Acapulco, Hyatt, West Tower, Gold Level*

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

Speakers:

**Douglas Richardson**, Geospatial Health Research Initiatives at the AAG: Creating Synergies

**Mei-Po Kwan**, University of Illinois at Urbana-Champaign, Introduction: The International Geospatial Health Research Network

**Marie Lynn Miranda**, Dean of the School of Natural Resources and Environment, University of Michigan

**Bethany Deeds**, NIH National Institute on Drug Abuse (NIDA)

**David Berrigan**, NIH National Cancer Institute (NCI)

Discussant: **Yonette Thomas**, Association of American Geographers

Sponsor: International Geospatial Health Research Network

The "Symposium on International Geospatial Health Research: Creating Synergies" will explore new research frontiers in geospatial health research and foster international networks to share this information across borders and generate research synergies. The symposium builds on multiple AAG Geography and Health Initiatives of the past decade, such as the AAG Initiative for an NIH-wide Geospatial Infrastructure for Health Research.

## PLENARY SESSIONS AND SPECIAL EVENTS

### AAG Department Chairs Luncheon

Wednesday, April 22, 11:45 a.m. - 2:00 p.m.

*Room: Columbus G, Hyatt, East Tower, Gold Level*

Chair: Sarah Witham Bednarz, AAG Vice President, Texas A&M University

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

### A New Map of Global Ecological Land Units

Wednesday, April 22, 11:50 a.m. - 1:10 p.m.

*Room: Columbus KL, Hyatt, East Tower, Gold Level*

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

Speaker:

**Roger Sayre**, United States Geological Survey

Chair: **Charlie Frye**, Esri

Sponsors: Association of American Geographers, USGS, Esri, Group on Earth Observations

A new, high resolution global ecological land units map has been produced in a collaboration between the U.S. Geological Survey and Esri. The initial products from the collaboration include the data, a map, an ecosystem browser application, and a Special Publication by the Association of American Geographers (AAG). The data are intended to be useful for climate change impact analyses, biodiversity conservation planning, assessments of economic and social value of ecosystem goods and services, scientific research, and resource management. In addition to being downloadable in the public domain, the resources will be included as landscape content in the Living Atlas of ArcGIS Online. As a mesoscale, data-derived, global ecosystems map, this map is an improvement on and extends previous macroscale, interpretive, ecoregionalizations of the planet.

### Ukraine Roundtable 2.0: Bringing Eastern Ukraine, Crimea, Abkhazia, South Ossetia and Transnistria to the Table

Wednesday, April 22, 11:50 a.m. - 1:10 p.m.

*Room: Columbus EF, Hyatt, East Tower, Gold Level*

Organizer and Chair: **Jeremy Tasch**, Towson University

Discussant: **John V. O'Loughlin**, University of Colorado

Sponsors: Political Geography Specialty Group, Central Eurasian and East European Specialty Group, AAG Committee on International Research and Scholarly Exchange

The Ukraine Roundtable 2.0 continues the discussion started at the Tampa-AAG 2014 as the Ukraine crisis has worsened since it broke out in early 2014.

Sustained uncertainty about the eventual status in Eastern Ukraine suggests the possibility for greater longevity of this situation - a condition not unlike Transnistria in Moldova, and South Ossetia and Abkhazia in Georgia, which have maintained their de facto statehoods since the early 1990s.

As Moscow openly supports the elections held in separatist "people's republics" in the Donetsk and Luhansk regions of Ukraine, outside observers look on anxiously at the precedent this may suggest—that of a sovereign state annexing territory by force, supporting splinter "people's republics," and then returning to "business as usual."

Based on extensive public opinion survey research carried out in Eastern Ukraine, Crimea, Abkhazia, South Ossetia and Transnistria during December 2014, John O'Loughlin (University of Colorado) presents preliminary findings as he welcomes an engaged and wide-ranging lunchtime discussion on the ongoing crisis.

### Human Geography Poster Session

Wednesday April 22, 11:30 a.m. - 7:30 p.m.

*Room: Riverside Exhibit Hall, Hyatt, East Tower, Purple Level*

Human Geography Poster Session Schedule:

Casual Viewing Time: 11:30 a.m. - 4:30 p.m.

Poster Session Reception and Happy Hour: 4:30 p.m. - 7:30 p.m. (*presenters please stand by your posters*)

Poster set-up time: 11:00 a.m. - 11:30 a.m.

## PLENARY SESSIONS AND SPECIAL EVENTS

### **Pop-Up Learning: How Online Courses are Changing - And Challenging - Higher Education**

Wednesday, April 22, 1:20 p.m. - 3:00 p.m.

*Room: Columbus H, Hyatt, East Tower, Gold Level*

Organizer: **Michael N. Solem**, Association of American Geographers

Chair and Introductory Remarks: **David DiBiase**, Esri

Speaker: **Jeffrey R. Young**, The Chronicle of Higher Education

Sponsors: Geography and Online Education Theme, Association of American Geographers, Esri, National Center for Research in Geography Education, Geography Education Specialty Group

The Internet is transforming teaching, but not always as originally advertised. A look beyond the hype around MOOCs, personalized learning, and other tech trends to explore the future of college.

### **Author Meets Critics: Geoffrey Martin's American Geography and Geographers**

Wednesday, April 22, 1:20 p.m. - 3:00 p.m.

*Room: Comiskey, Hyatt, West Tower, Bronze Level*

Organizer, Chair and Introduction: **Kent Mathewson**, Louisiana State University

Panelists:

**Dorothy Sack**, Ohio University

**Brian W. Blouet**, College of William and Mary

**Ronald F. Abler**, International Geographical Union

**Charles W.J. Withers**, University of Edinburgh

Discussant: **Geoffrey J. Martin**, Professor Emeritus

Sponsor: Association of American Geographers, History of Geography Specialty Group

Panel discussion of Geoffrey Martin's *American Geography and Geographers: Toward Geographical Science* (Oxford University Press) 2015. *American Geography and Geographers* is the capstone work of Geoffrey Martin's long and distinguished career. This major work in the history of geography covers American geography's first formal century, from the 1860s to the 1960s. The panel will appraise and discuss the book, its material and presentation from a variety of perspectives.

### **AAG International Reception**

Wednesday, April 22, 7:00 p.m. - 9:00 p.m.

*Room: Crystal Ballroom, Hyatt, Green Level, West Tower*

This reception is an opportunity to see old friends and meet colleagues at the outset of the AAG Annual Meeting. Two free drink tickets are provided in your registration packet. Live music provided by the Ron Harris Music Group.

## **THURSDAY, APRIL 23**

### **Symposium on Physical Geography Environmental Reconstruction I**

Thursday, April 23, 8:00 a.m. - 9:40 a.m.

*Room: Grand C/D North, Hyatt, East Tower, Gold Level*

Organizers:

**Julie Winkler**, AAG Past President, Michigan State University

**Richard A. Marston**, Kansas State University

**Carol P. Harden**, University of Tennessee

Chair: **Carol P. Harden**, University of Tennessee

Speakers:

**Johannes J. Feddema**, University of Kansas

**Melinda D. Daniels**, Stroud Water Research Center

**Markus Stoffel**, University of Berne

Sponsor: Symposium on Physical Geography Theme

A special event for the 2015 AAG Annual Meeting is an all-day Symposium on Physical Geography scheduled for Thursday, April 23. The overall goal of the symposium is to facilitate and enhance dialog among physical geographers on emerging developments, challenges, and approaches related to physical geography. An additional goal is to experiment with alternative formats for physical geography sessions at future AAG annual meetings. Broadly defined, environmental reconstruction involves the study of past climates, landscapes, and biological systems, along with the reclamation of altered environments. This integrative research theme cuts across the many facets of physical geography.

## PLENARY SESSIONS AND SPECIAL EVENTS

### Symposium on Physical Geography Environmental Reconstruction II

Thursday, April 23, 10:00 a.m. - 11:40 a.m.

*Room: Grand C/D North, Hyatt, East Tower, Gold Level*

Organizers:

**Julie Winkler**, AAG Past President, Michigan State University

**Richard A. Marston**, Kansas State University

**Carol P. Harden**, University of Tennessee

Chair: **Richard A. Marston**, Kansas State University

Speakers:

**Robert A. Washington-Allen**, University of Tennessee

**Kristine DeLong**, Louisiana State University

**Bette L. Otto-Bliesner**, National Center for Atmospheric Research

Sponsor: Symposium on Physical Geography Theme

The symposium will feature two morning sessions of invited presentations around the theme, Environmental Reconstruction - A Nexus of Biogeography, Climatology and Geomorphology. Broadly defined, environmental reconstruction involves the study of past climates, landscapes, and biological systems, along with the reclamation of altered environments. This integrative research theme cuts across the many facets of physical geography. The invited speakers include geographers and scientists from related disciplines.

### Julie Winkler's Past President's Address: Embracing the Complexity and Uncertainty of Climate Change

Thursday, April 23, 11:50 a.m. - 1:10 p.m.

*Room: Grand Ballroom E/F, Hyatt, East Tower, Gold Level*

Speaker: **Julie Winkler**, AAG Past President, Michigan State University

Climate change is one of the defining environmental concerns of our time, and will directly or indirectly affect every sector of society. The complexity of the climate system and the multifaceted linkages between natural and human systems complicates planning for future change. Another hurdle is the multiple sources of uncertainty such as internal climate variability, land cover change, spatial and temporal interdependencies, and sectoral synergies.

When interacting with stakeholders or addressing the public directly about climate change, scientists are often advised to "keep the message simple." One consequence

is that climate change communication strategies are frequently advocacy based, where the case is made for a specific viewpoint, rather than nonpersuasive communication that explicitly considers complexity and uncertainty. Recently, the potential value of framing climate change planning in terms of complexity and uncertainty has been recognized by many physical and social scientists, including geographers. The challenge is to communicate climate change in a manner that inspires action, but also leads to robust decision-making.

In this address, the evolution of climate change communication is explored, attempts to incorporate complexity and uncertainty into local and regional climate change assessments are evaluated, and opportunities for the development of more nuanced communication strategies are considered. Geographers are involved in all aspects of climate change research and applications, from modeling the complex climate system to assisting stakeholders in planning for climate change. It behooves us to carefully consider our roles and responsibilities in climate change communication.

AAG Presidential Achievement Award presentation to:  
**Diana Liverman**, University of Arizona.

AAG Past President, Julie Winkler, will also confer the AAG Presidential Achievement Award upon **Diana Liverman** of the University of Arizona for her extraordinary contributions to understanding the human dimensions of global change, including the impacts of climate on society and issues of equity and climate change, and for her leadership roles in numerous boundary organizations, including Future Earth, that strengthen partnerships with scientists, policymakers and stakeholders to promote regional and global sustainability.

## PLENARY SESSIONS AND SPECIAL EVENTS

### Launch of the AAG *GeoHumanities* Journal

Thursday, April 23, 1:20 p.m. - 3:00 p.m.

Room: Gold Coast, Hyatt, West Tower, Bronze Level

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

Panelists:

**Douglas Richardson**, Association of American Geographers, "The AAG Initiatives on Geography and the Humanities"

**AAG Honorary Geographer, Peter K. Bol**, Harvard University, "Location and Learning: A Spatial Approach to Chinese Thought and Society"

**Tim Cresswell**, Northeastern University, "The Editorial Vision for *GeoHumanities*"

**Deborah Dixon**, University of Glasgow, "The Editorial Vision for *GeoHumanities*"

**J. Nicholas Entrikin**, University of Notre Dame, "Reflections on Interactions between Geography and the Humanities"

Sponsor: GeoHumanities Theme

### AAG Honorary Geographer Award: **Peter K. Bol, Harvard University**

AAG Executive Director Douglas Richardson will confer the 2015 AAG Honorary Geographer Award upon **Peter K. Bol** during the *GeoHumanities* launch session, above.

Bol has worked with the AAG to build university-wide support at Harvard University for geospatial analysis in teaching and research. This resulted in the establishment of the Harvard Center for Geographic Analysis, of which Peter Bol was its first and extraordinarily successful Director. He also has a long career of distinguished scholarship on the history and geography of China, which is of great interest to geographers. In addition, his innovative research in the field of historical GIS has helped shape and advance the discipline of geography.

Peter Bol is the Vice Provost for Advances in Learning and the Charles H. Carswell Professor of East Asian Languages and Civilizations at Harvard University

### Physical Geography Poster Session

Thursday April 23, 11:30 a.m. - 7:30 p.m.

Room: Riverside Exhibit Hall, Hyatt, East Tower, Purple Level

Physical Geography Poster Session Schedule:

Casual Viewing Time: 11:30 a.m. - 4:30 p.m.

Poster Session Reception and Happy Hour: 4:30 p.m. - 7:30 p.m. (*presenters please stand by your posters*)

Poster set-up time: 11:00 a.m. - 11:30 a.m.

Sponsor: Symposium on Physical Geography Theme

As part of the Symposium on Physical Geography, this extended poster session will include over 200 posters on display during the entire afternoon. The poster session will include research from all aspects of physical geography, and physical geographers at all stages of their careers.

### The IGU International Year of Global Understanding (IYGU) Initiative

Thursday, April 23, 3:20 p.m. - 5:00 p.m.

Room: Plaza B, Hyatt, East Tower, Green Level

Organizer and Chair: **Ronald F. Abler**, International Geographical Union

Speakers:

Introduction: **Ronald F. Abler**, International Geographical Union  
**Benno Werlen**, University of Jena

Discussants:

**Peter J. Taylor**, Loughborough University  
**Farhana Sultana**, Syracuse University  
**Ronald F. Abler**, International Geographical Union

The 2016 IGU International Year of Global Understanding (IYGU) has taken the lead in the application process for the UN International Year of Global Understanding

The IYGU is an outreach project with an educational and science orientation whose bottom-up logic complements the existing international policies and research programs' organizational structures. The mobilization of geographers, the social and natural sciences, as well as the humanities, will lead to an engagement in new ways of sustainability research, education, and capacity building. The definitive decision by the UN General Assembly is expected by end May 2015.

## PLENARY SESSIONS AND SPECIAL EVENTS

### “The New Cultural Instrumentalism: Chicago Goes Global” - the 2015 Cultural Geography Specialty Group Marquee Session

Thursday, April 23, 5:20 p.m. - 7:00 p.m.

*Room: Grand Suite 2 AB, Hyatt, East Tower, Gold Level*

Organizers:

**Christopher W. Post**, Kent State University

**Angela Gray Subulwa**, University of Wisconsin - Oskosh

Chair: **Christopher W. Post**, Kent State University

Introduction:

**Christopher W. Post**, Kent State University

**Angela Gray Subulwa**, University of Wisconsin - Oskosh

Speaker: **David Wilson**, University of Illinois

Sponsors: Cultural Geography Specialty Group, Historical Geography Specialty Group, Chicago and the Great Lakes Region Theme

### FRIDAY, APRIL 24

#### Advancing Geography in Federal K-12 Policy Reforms

Friday, April, 24, 8:00 a.m. - 9:40 a.m.

*Room: Roosevelt, Hyatt, East Tower, Ped Path*

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

Panelists:

**Elizabeth Purvis**, Secretary of Education for the State of Illinois

**Sarah Bednarz**, AAG Vice President, Texas A&M University

Speakers will share federal and state government perspectives on the possible reauthorization of the Elementary and Secondary Education Act and the potential impacts on K-12 geography instruction. Those invited include representatives from Congressional staffs and the office of the Governor of Illinois. A full list of speakers will be published in onsite notices.

#### Geographic Information Science and Technology (GIS&T) Poster Session

Friday, April 24, 10:00 a.m. - 1:10 p.m.

*Room: Riverside Exhibit Hall, Hyatt, East Tower, Purple Level*

GIS&T Poster Session Schedule:

Casual Viewing Time: 9:30 a.m. - 11:30 a.m.

Poster Coffee Break and Snacks: 11:30 p.m. - 1:30 p.m.

*(presenters please stand by your posters)*

Poster set-up time: 9:00 a.m. - 9:30 a.m.

### Geographers on John Muir - Critically Assessing His Legacy and Relevance 100 Years On

Friday, April 24, 3:20 p.m. - 5:00 p.m.

*Columbus KL, Hyatt, East Tower, Gold Level*

Organizer, Chair and Introductory Remarks:

**Glen M. MacDonald**, UCLA

Panelists:

**Laura Pulido**, University of Southern California

**Carol P. Harden**, University of Tennessee

**Alan H. Taylor**, Pennsylvania State University

**Paul Robbins**, Nelson Institute for Environmental Studies University of Wisconsin

**Carolyn Finney**, University of California Berkeley

**Susanna Hecht**, University of California Los Angeles

Sponsors: Biogeography Specialty Group, Cultural and Political Ecology Specialty Group

Do Muir's ethos and prescriptions regarding nature, wilderness preservation and conservation have continuing relevance and benefit in the 21st century, or should the entire corpus be replaced by new paradigms? A diverse panel of geographers will present views from the biophysical, conservation, social, cultural and political ecology perspectives and discuss with the audience if, a century after his death, Muir should be laid to rest or can we find new relevance.

### Closing Plenary: Symposium on International Geospatial Health Research – Creating Synergies

Friday, April 24, 3:20 p.m. - 5:00 p.m.

*Room: Acapulco, Hyatt, West Tower, Gold Level*

Chair: **Mei-Po Kwan**, University of Illinois at Urbana-Champaign

Speakers:

**Sara McLafferty**, University of Illinois at Urbana – Champaign

**David Lopez-Carr**, University of California, Santa Barbara

**Wenzhong Shi**, Hong Kong Polytechnic University

**David Balshaw**, NIH National Institute of Environmental Health Sciences (NIEHS)

Discussant: **Michael F. Goodchild**, University of California, Santa Barbara

**Sponsor:** International Geospatial Health Network

## PLENARY SESSIONS AND SPECIAL EVENTS

### AAG World Geography Bowl

Friday, April 24, begins at 7:30 p.m. – 11:30 p.m.  
*Room: Columbus Rooms, Hyatt, East Tower, Gold Level*

Student teams from the AAG's regional divisions will compete in a round-robin tournament starting at 7:30 p.m. in the Columbus rooms of the Hyatt. The championship round will begin at approximately 10:30 pm.

World Geography Bowl Executive Director:  
**Jamison Conley**, West Virginia University

World Geography Bowl Administrative Director:  
**Niem Tu Huynh**, Association of American Geographers

For more detail on the AAG World Geography Bowl, please see page 44.

### SATURDAY, APRIL 25

#### 2015 AAG Awards Luncheon

Saturday, April 25, 11:40 a.m. - 2:00 p.m.  
*Room: Lucerne Ballroom 1&2, Swissotel, Lucerne Level*

Join colleagues and friends in honoring recipients of AAG Honors and other awards and prizes. The AAG Awards Luncheon will be held on Saturday, April 25 in the Lucerne Ballroom 1&2 of the Swissotel from 11:40 a.m. - 2:00 pm.

The following Honors will be presented:

#### *AAG Lifetime Achievement Honors*

John P. Jones, III, University of Arizona  
 Bobby Wilson, University of Alabama

#### *AAG Distinguished Scholarship Honors*

Anthony Bebbington, Clark University  
 Ruth DeFries, Columbia University

#### *AAG Gilbert White Public Service Honors*

2014, Eve Gruntfest, University of Colorado - Colorado Springs  
 2015, Elizabeth Oglesby, University of Arizona

#### *AAG Ronald F. Abler Distinguished Service Honors*

John Frazier, Binghamton University, State University of New York  
 Rita Gardner, Royal Geographical Society (with the Institute of British Geographers)

#### *AAG Gilbert Grosvenor Geographic Education Honors*

Michael Solem, Association of American Geographers

#### *AAG Media Achievement Award*

Robert Kitchin, National University of Ireland Maynooth  
 Marshall Shepherd, University of Georgia

#### *AAG Publication Award*

The University of California Press

In addition to AAG Honors, the 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:

William A. Bowen	Mark Monmonier
Nancy Brannen Hultquist	Richard Pillsbury
William K. Crowley	Allen J. Scott
Ronald J. Horvath	Robert B. South
Tulasi Joshi	Otis W. Temple
Thomas R. Lewis, Jr.	Albert M. Tosches
John Mercer	Thomas J. Wilbanks
Norman T. Moline	John H. Wittmann

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 Onsite AAG Registration Desk.

#### AAG Business Meeting

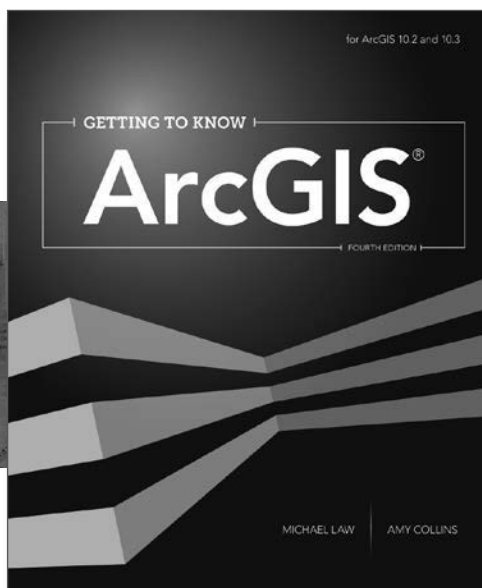
Saturday, April 25, 2:30 p.m. - 3:40 p.m.  
*Room: Lucerne Ballroom 3, Swissotel, Lucerne Level*

The AAG's annual Business Meeting will be held in the *Lucerne Ballroom 3* of the Swissotel on Saturday, April 25, from 2:30 p.m. to 3:40 p.m. AAG officers will present their annual reports. All are welcome to attend.

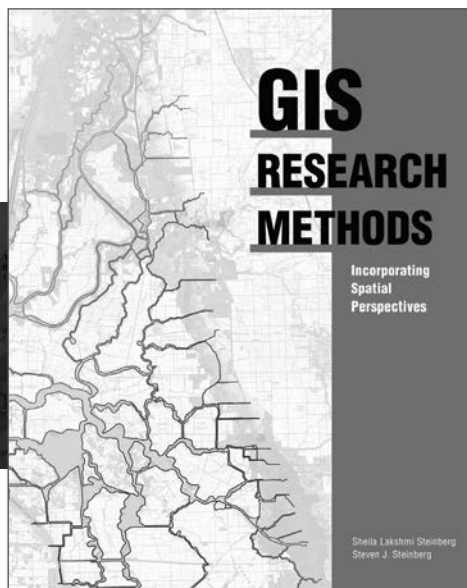




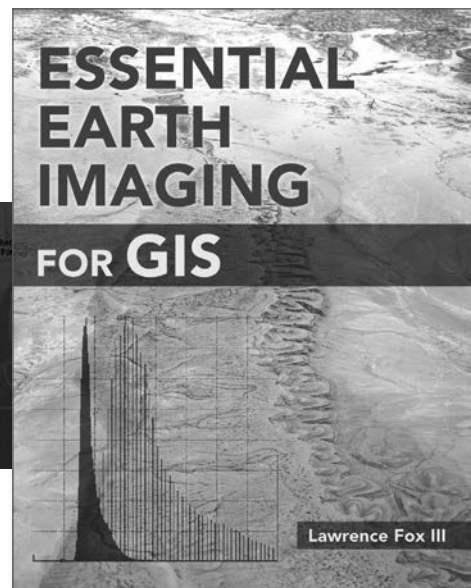
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**MICHIGAN STATE**  
UNIVERSITY

Department of Geography

# PLEASE JOIN THE MSU GEOGRAPHY CELEBRATION



Timothy O'Toole's Pub  
Thursday, April 23, 2015 @ 7PM  
622 N. Fairbanks Ct.  
Chicago, IL 60611

**ALL ARE WELCOME!**

Cash Bar | Appetizers Provided



MAP **your** FUTURE

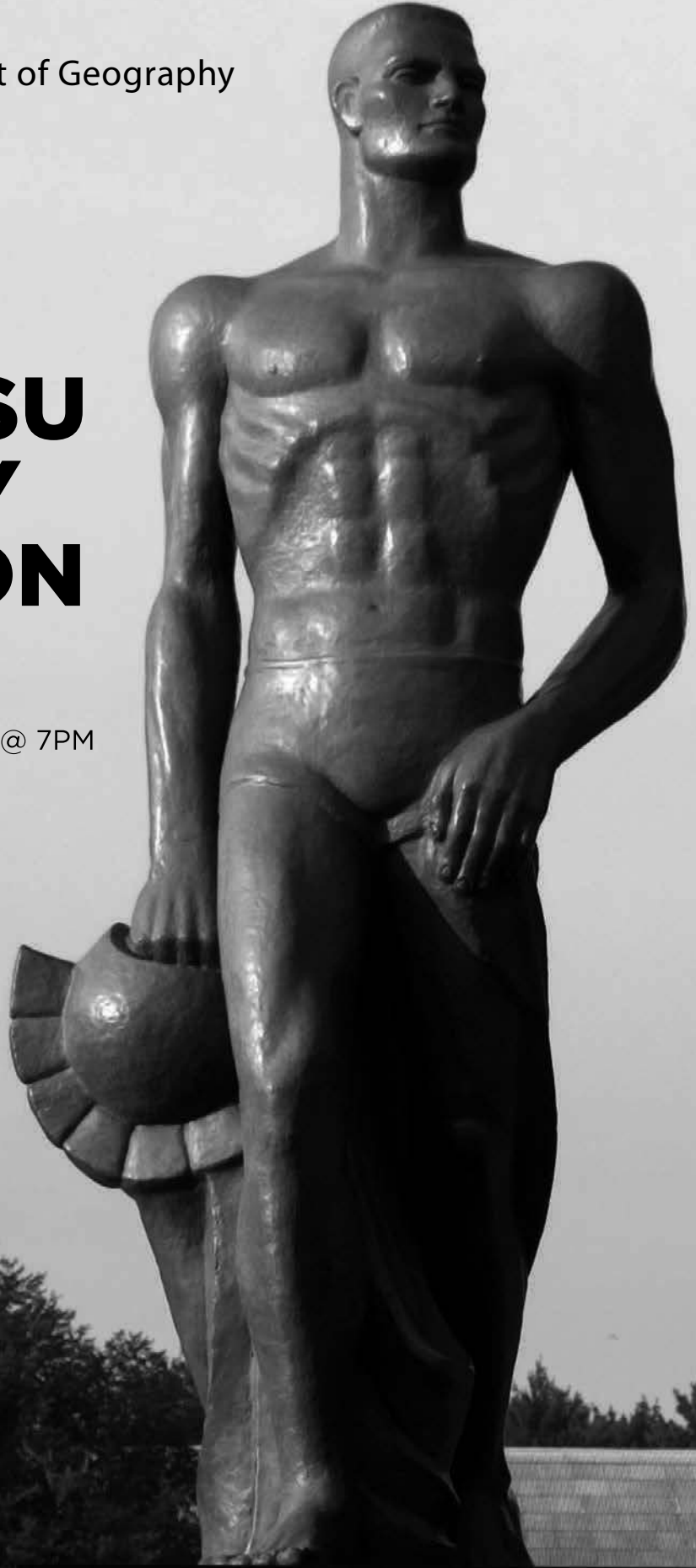


Photo courtesy of Communications and Brand Strategy

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# CALL FOR PAPERS

# GeoHumanities

While the discipline of geography has traditionally embraced and contributed to the humanities, there has been a remarkable resurgence in the past decade of intellectual interplay between geography and the humanities in both academic and public circles. Many humanities scholars and well-known writers and artists are increasingly incorporating geographic concepts, technologies, and methods into their work, while geographers have recently gained new insights by borrowing from developments across a great range of humanities disciplines. Metaphors and core geographic concepts such as place, space, landscape, scale, and mapping now permeate literature, philosophy, the arts, and other humanities, and the broader imaginative reinterpretation of these concepts has in turn led to a renaissance of creativity in geography. The interactions between Geography and the Humanities are growing rapidly.

## GeoHumanities Journal

*GeoHumanities* is a new journal being launched by the Association of American Geographers and will be published by Taylor and Francis. Its editors are Tim Cresswell (Northeastern University, Boston) and Deborah Dixon (University of Glasgow). *GeoHumanities* publishes original peer-reviewed articles that span conceptual and methodological debates in geography and the humanities; critical reflections on analog and digital artistic productions; and new scholarly interactions occurring at the intersections of geography and multiple humanities disciplines.

## Call for Papers

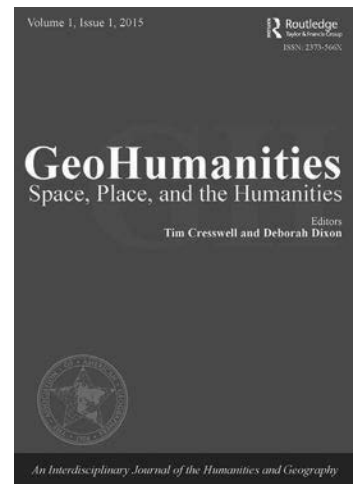
*GeoHumanities* includes full-length scholarly articles its **Articles** section, and shorter creative pieces that cross over between the academy and creative practice in the **Practices and Curations** section.

*GeoHumanities* is seeking papers in both of these sections. Submissions will be managed through Manuscript Central. The reference formatting and style guidelines will be the same as other AAG journals (15th edition of the *Chicago Manual of Style*).

*GeoHumanities Articles* will have a maximum length of 8,000 words (including references), **Practices and Curations** will have a maximum length of 4,000 words (including references).

*GeoHumanities* welcomes papers that engage new or traditional humanities and geographical themes including place, space, landscape and cartography. Topic and subject areas may include (but are not limited to):

- Interactions between the humanities and geography
- Humanities perspectives on geography, space, place, and real time spatial interactions in daily life
- Geo-visualisations and the arts
- GIS in the humanities
- Environmental humanities
- Humanities, geography, and health
- Geo-aesthetics
- Corporeality and affect
- Cyber-space, film studies, media, and visual/material culture



- Critical and creative cartographies
- Geographies of art and art spaces
- Humanities approaches to landscape
- Performance and performativity
- Place writing and literary geographies
- Philosophy, space, and place
- Museums, curation and spaces of memory

## Submissions

All manuscripts should be submitted electronically through AAG Manuscript Central (<http://mc.manuscriptcentral.com/aag>).

Any questions should be directed to the editors Tim Cresswell at [t.cresswell@neu.edu](mailto:t.cresswell@neu.edu) or Deborah Dixon at [deborah.dixon@glasgow.ac.uk](mailto:deborah.dixon@glasgow.ac.uk).

## FEATURED THEMES

### **Radical Intra-disciplinarity**

The most pressing challenges today, whether related to global climate change, socio-economic inequalities, or on-going territorial conflicts, can only be understood through diverse tool kits, methods, theories and ways of knowing. That diversity exists and often thrives within the discipline of geography. Under the banner “geography” we perform regression analyses, conduct in-depth interviews, run computer simulations, undertake archival research, collect soil samples, georectify data, and organize focus groups (to name just some of our methods). We use and contribute to the making of theories, perspectives, and technologies as diverse as Lacanian psychoanalysis and Germanium detectors.

At this year’s conference we highlight that diversity through sessions organized around the theme of radical intra-disciplinarity. The use of the term radical to describe our discipline’s un-disciplined nature is meant to signal that geography’s intra-disciplinarity is not a passing fad but rather is at the root of, and fundamental to, geographical practices, and to highlight the ways in which those un-disciplined practices can lead to important transformations. We look forward to posters and paper sessions that highlight the possibilities and suggest the limitations of our discipline’s intra-disciplinarity.

Session 1723 is the **AAG Presidential Plenary on Radical Intra-Disciplinarity (see page 22)**

Session numbers in this track: 1229, 1429, 1529, 1629, **1723**, 2229, 2429, 3654, 5558

### **Symposium on International Geospatial Health Research: Creating Synergies**

The "Symposium on International Geospatial Health Research: Creating Synergies" will explore new research frontiers in geospatial health research and foster international networks to share this information across borders and generate research synergies. The symposium builds on multiple AAG Geography and Health Initiatives of the past decade, such as the AAG Initiative for an NIH-wide Geospatial Infrastructure for Health Research.

The symposium also builds on several recent AAG health initiatives and grants with the National Institutes of Health and National Science Foundation, as well as an international forum organized to launch an International Geospatial Health Research Network.

The international forum was jointly organized by the AAG, the International Association of Chinese Professionals

in Geographic Information Sciences (CPGIS), Chinese University of Hong Kong, Hong Kong Polytechnic University, University of Hong Kong, Utrecht University, and several health ministries and organizations in Europe.

### **2238. Opening Plenary: Symposium on International Geospatial Health Research – Creating Synergies**

Wednesday, April 22, 2015, 10 a.m.-11:40 a.m.  
Acapulco, Hyatt, West Tower, Gold Level

Chair: Douglas Richardson, Association of American Geographers

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

Panelists:

- Marie Lynn Miranda, Dean of the School of Natural Resources and Environment, University of Michigan
- Bethany Deeds, NIH National Institute on Drug Abuse (NIDA)
- David Berrigan, NIH National Cancer Institute (NCI)

Discussion: Douglas Richardson, Association of American Geographers

### **4538. Closing Plenary: Symposium on International Geospatial Health Research – Creating Synergies**

Friday, April 24, 2015, 3:20 p.m.- 5:00 p.m.  
Acapulco, Hyatt, West Tower, Gold Level

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

Panelists:

- Sara McLafferty, University of Illinois
- David Lopez-Carr, University of California – Santa Barbara
- Wenzhong Shi, Hong Kong Polytechnic University
- David Balshaw, NIH National Institute of Environmental Health Sciences (NIEHS)

Discussant: Michael F. Goodchild, University of California - Santa Barbara

### **The International Geospatial Health Research Symposium steering committee chairs and members are:**

Chair: Mei-Po Kwan (University of Illinois at Urbana-Champaign)

Co-Chairs: Martin Dijst (Utrecht University), Douglas Richardson (AAG); Bing Xu (Tsinghua University)

Committee members:

- David Balshaw (U.S. National Institutes of Health - NIEHS)
- David Berrigan (U.S. National Institutes of Health - NCI)
- Bert Brunekreef (Utrecht University)
- Yanwei Chai (Peking University)
- Bin Chen (Beijing Normal University)
- Xiang Chen (Arkansas Tech University)
- Eric Delmelle (University of North Carolina at Charlotte)

## FEATURED THEMES

Xiaoli Ding (Hong Kong Polytechnic University)  
 Ling Bian (University at Buffalo, State University of New York)  
 Bethany Deeds (U.S. National Institutes of Health - NIDA)  
 Michael Emch (University of North Carolina, Chapel Hill)  
 George Gao (National Institute for Viral Disease Control and Prevention, China)  
 Mike Goodchild (University of California, Santa Barbara)  
 Sue Grady (Michigan State University)  
 Anthony Grubestic (Drexel University)  
 Bo Huang (Chinese University of Hong Kong)  
 Geoffrey Jacquez (University at Buffalo, State University of New York)  
 Youngho Kim (Korea University)  
 Poh Chin Lai (University of Hong Kong)  
 Nina Lam (Louisiana State University)  
 Jiyeong Lee (University of Seoul)  
 Yee Leung (Chinese University of Hong Kong)  
 Erik Lebrek (National Institute for Public Health and the Environment, the Netherlands)  
 Hui Lin (Chinese University of Hong Kong)  
 Marianne Linde (TNO, the Netherlands)  
 Becky Loo (University of Hong Kong)  
 Johnathan Mayer (University of Washington)  
 Sara McLafferty (University of Illinois at Urbana-Champaign)  
 Jeremy Mennis (Temple University)  
 Alan Murray (Drexel University)  
 Tomoki Nakaya (Ritsumeikan University)  
 Tijs Neutens (Ghent University)  
 Lilian Pun (Hong Kong Polytechnic University)  
 Zihe Rao (Tsinghua University)  
 Mark Rosenberg (Queen's University)  
 Gerard Rushton (University of Iowa)  
 Clive Sabel (University of Bristol)  
 John Shi (Hong Kong Polytechnic University)  
 Elisabeth Root (University of Colorado)  
 Tim Schwanen (Oxford University)  
 Xun Shi (Dartmouth University)  
 Shu Tao (Peking University)  
 Zaria Tatalovich (U.S. National Institutes of Health - NCI)  
 Fahui Wang (Louisiana State University)  
 Jifeng Wang (Chinese Academy of Sciences)  
 Shaowen Wang (University of Illinois at Urbana-Champaign)  
 Chris Webster (University of Hong Kong)  
 Michael Widener (University of Cincinnati)  
 David Wong (University of Hong Kong)  
 Xinyue Ye (Kent State University)  
 Eun-Hye Enki Yoo (University at Buffalo, State University of New York)  
 Chenghu Zhou (Chinese Academy of Sciences)

Sessions 2238 and 4538 are the Opening and Closing Plenaries for the Symposium on International Geospatial Health Research.

Session numbers in this track: **2238**, 2438, 2439, 2440, 2441, 2538, 2539, 2541, 2638, 2639, 2640, 2641, 3138, 3139, 3140, 3141, 3238, 3239, 3240, 3241, 3438, 3439, 3440, 3441, 3538, 3539, 3540, 3541, 3639, 3640, 3641, 4138, 4139, 4140, 4141, 4238, 4239, 4240, 4241, 4411, 4438, 4439, 4440, 4441, **4538**, 4539, 4540, 4541, 4638, 4639, 4640, 4641, 5138, 5141, 5238, 5239, 5241

### **Symposium on Physical Geography:** **Environmental Reconstruction - A Nexus of** **Biogeography, Climatology and Geomorphology**

A special event for the 2015 AAG Annual Meeting is an all-day Symposium on Physical Geography scheduled for Thursday, April 23. The overall goal of the symposium is to facilitate and enhance dialog among physical geographers on emerging developments, challenges, and approaches related to physical geography. An additional goal is to experiment with alternative formats for physical geography sessions at future AAG annual meetings.

The symposium will feature two morning sessions of invited presentations around the theme, Environmental Reconstruction - A Nexus of Biogeography, Climatology and Geomorphology. Broadly defined, environmental reconstruction involves the study of past climates, landscapes, and biological systems, along with the reclamation of altered environments. This integrative research theme cuts across the many facets of physical geography. The invited speakers include geographers and scientists from related disciplines.

The highlight of the afternoon will be an extended poster session in a new mode, with over 200 posters on display during the entire afternoon. The poster session will include research from all aspects of physical geography, and physical geographers at all stages of their careers.

The poster session will extend from 1:30-7:30 p.m. Presenters will post the times next to their poster when they will be available for discussion with viewers, although presenters are encouraged to stand by their poster during at least a portion of the period from 4:30-7:30 p.m. A happy hour with refreshments will occur from 4:30-7:30 p.m. in the poster viewing area. The poster session and happy hour provide an opportunity to socialize/network, and all physical geographers should plan to attend, whether as a presenter or not.

The all-day symposium will be followed by a second "Conversation on the Future of Physical Geography" on Friday, April 24 at 11:45 a.m. One of goal of the "Conversation" will be to obtain feedback on the alternative session formats and to consider improvements and next steps. In addition, the "Conversation" will continue the dialog from

## FEATURED THEMES

the earlier session at the 2014 AAG annual meeting on how to enhance physical geography within the AAG. (A summary of the discussion from the inaugural "Conversation on the Future of Physical Geography" can be found at <http://news.aag.org/2014/06/future-of-physical-geography/>.)

The current schedule for Symposium on Physical Geography and Conversation on the Future of Physical Geography II is as below.

### **Physical Geography Symposium:**

*Thursday, April 23*

- 8:00 AM – 9:40 AM Environmental Reconstruction I
- 10:00 AM – 11:40 AM Environmental Reconstruction II
- 11:00 AM – 11:30 PM Poster setup
- 11:50 AM – 1:10 PM AAG Plenary Session -- Past President's Address
- 1:30 PM – 7:30 PM Physical geography posters available for viewing
- 4:30 PM – 7:30 PM Poster presenters asked to stand by their posters during this time
- 4:30 PM – 7:30 PM Reception and Happy Hour

*Friday, April 24*

- 11:45 -- 12:45 PM Conversation on the Future of Physical Geography II

Session 3324 is Julie Winkler's Past President's Address: Embracing the Complexity and Uncertainty of Climate Change

Session numbers in this track: 3122, 3222, **3324**, 3470, 4319

### **Geography and Online Education**

The AAG is partnering with Esri and the National Center for Research in Geography Education on a special thematic track exploring the multifaceted dimensions of geography and online education.

Sessions will kick off on Tuesday, April 21 with a panel discussion on the topic of broadening participation of women and minority university students in STEM disciplines through online learning. Wednesday, April 22, will feature a special keynote address from Jeff Young of *The Chronicle of Higher Education* on "**Pop-Up Learning: How Online Courses are Changing – And Challenging – Higher Education**", followed by back-to-back panel sessions on key challenges and opportunities afforded by online education and the current status of online learning in geography.

A series of paper sessions on Thursday, April 23, will center

on designing online learning opportunities in geography. That afternoon, representatives from the AAG, Esri and Maps.com will come together to discuss the Esri-ConnectED program, a major national initiative providing free ArcGIS Online accounts to U.S. schools.

Activities will conclude on Friday, April 24 with a panel session on best practices in teaching lower division introductory geography courses online.

Sessions of particular significance under this theme are 2417, Pop-Up Learning: How Online Courses are Changing – And Challenging – Higher Education, and 3515, K-12 Education ConnectED with Geography through ArcGIS Online.

The AAG supports the ConnectED program through a joint AAG-Esri GeoMentors program. We invite all AAG members to participate in the GeoMentors program. To sign up, visit [www.GeoMentors.net](http://www.GeoMentors.net).

Session numbers in this theme: 1206, **2417**, 2517, 2617, 3215, 3415, **3515**, 4551

A complete schedule of activities is available online at: [www.aag.org/AM2015/GOE](http://www.aag.org/AM2015/GOE)

### **GeoHumanities**

While the discipline of geography has traditionally embraced and contributed to the humanities, there has been a remarkable resurgence in the past decade of intellectual interplay between geography and the humanities in both academic and public circles. Many humanities scholars and well-known writers and artists are increasingly incorporating geographic concepts, technologies, and methods into their work, while geographers have recently gained new insights by borrowing from developments across a great range of humanities disciplines. Metaphors and core geographic concepts such as place, space, landscape, scale, and mapping now permeate literature, philosophy, the arts, and other humanities, and the broader imaginative reinterpretation of these concepts has in turn led to a renaissance of creativity in geography. The interactions between Geography and the Humanities are growing rapidly.

The GeoHumanities Themed Sessions at the AAG Chicago Annual Meeting seek contributions from scholars from three broad groups: geographers who have engaged humanities topics in creative ways; humanities scholars who have integrated new geographic techniques or technologies or otherwise explored emerging geographic themes in their work; and popular artists and writers whose literary or artistic works investigate geographic concepts or perspectives, or

## FEATURED THEMES

perhaps even use new geographic technologies in unintended and thought-provoking ways.

The GeoHumanities Theme at the Chicago meeting also recognizes and celebrates the launch by the AAG of a new scholarly journal, *GeoHumanities*. This new journal is the culmination of a decade-long AAG Initiative on Geography and the Humanities, and builds on the highly successful AAG Geography and the Humanities Symposium held in 2007 at the University of Virginia, and on the subsequent publication in 2011 of two books: *Envisioning Landscapes, Making Worlds: Geography and the Humanities*, and *GeoHumanities: Art, History, Text at the Edge of Place*. The new AAG journal, and these Themed GeoHumanities Sessions also respond to a growing awareness of how core geographic concepts such as space, place, landscape, scale, and mapping are increasingly permeating the Humanities disciplines and popular culture and the arts.

Thus, the GeoHumanities Theme of sessions in Chicago welcomes papers and presentation on creative work taking place at the intersection of geography and the humanities by writers, artists, geographers, and humanities scholars. These Sessions also respond to a world undergoing profound change, and encourage productively transgressing the bounds of traditional categories to open up new directions in scholarship, literature, and the arts.

Session 3433 is the launch of the AAG's *GeoHumanities* journal. Speakers include: AAG Executive Director Douglas Richardson; Peter K. Bol, Harvard University; Tim Cresswell and Deborah Dixon, the editors of the new journal *GeoHumanities*; and J. Nicholas Entrikin of the University of Notre Dame.

Session numbers in this track: 1663, 1668, 2131, **2229**, 2231, 2233, 2265, **2429**, 2431, 2465, 2531, 2536, 2565, 2633, 2636, 2665, 3133, 3152, 3236, 3431, **3433**, 3436, 3448, 3514, 3533, 3614, 3633, 4231, 4280, 4431, 4433, 4436, 4531, 4533, 4536, 4633, 4636, 5214, 5233, 5236

### Chicago and the Great Lakes Region

The geography of Chicago is fundamentally intertwined with that of the Great Lakes. Chicago was established because it was the site of portage that historically enabled transportation through the Great Lakes and into the Mississippi River watershed. As Chicago grew, raw materials from throughout the Midwest built the city and fueled its industries. Today, Chicago serves as a major transportation and logistical hub for the Great Lakes region. This brings opportunities and challenges. According to the EPA, the Great Lakes comprise 21% of the world's supply of surface fresh water and with

this come issues associated with resource management, pollution, recreational, and industrial usage. Chicago, like other cities in the Great Lakes region, experiences income inequality, racism, housing segregation and the complex challenges of developing urban policies that integrate sustainable development with the provision of jobs, housing and opportunities for all.

Topics include but are not limited to:

- Race and the City
- Great Lakes Ecosystems
- Changing demographics and urban/suburban relations
- Sustainable Rural Landscapes
- Sustainable Cities and Urban Development
- Changing Agricultural Landscapes
- Urban Agriculture and Food Systems
- Neoliberal Urban Policy and Practice
- The Postindustrial City
- Water Management
- Transportation and Mobility

Session numbers in this track: 1661, 3225, 3425, 3426, 3525, 3526, 3625, 3626

### Jobs and Careers

The AAG Jobs & Careers Center will provide 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. Through this center, sessions have been organized on topics ranging from finding employment in the business, government, and nonprofit sectors, preparing for and sustaining an academic career, developing networking skills, enhancing students' employability through internships and work-based learning, integrating career preparation into geography programs and curricula, the importance of work-life balance in academia, and working internationally.

Sessions of particular significance under this theme are 1513, Teaching and Advising about Careers in Geography, 2113, Beyond the Ivory Tower A: Preparing Geographers for Business and Private Sector Careers, and 4413, Internships and Work-Based Learning as Career Preparation.

Session numbers in this theme: 1113, 1180, 1206, 1213, 1280, 1448, **1513**, 1613, 1640, **2113**, 2213, 2214, 2283, 2413, 2414, 2486, 2513, 2514, 2586, 2613, 2614, 3113, 3114, 3148, 3178, 3213, 3248, 3413, 3414, 3437, 3514, 3614, 4113, 4114, 4213, 4222, **4413**, 4415, 4422, 4513, 4515, 4567, 4613, 4662

A complete schedule of sessions in this theme is available at: [http://www.aag.org/cs/annualmeeting/careers\\_sessions](http://www.aag.org/cs/annualmeeting/careers_sessions)

# Ground-breaking journals from the Regional Studies Association



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For details about the full range of RSA journals  
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### Regional Studies Annual Lecture

**Ron Boschma, 'Regional Diversification:  
Towards a New Research Agenda'**

Wednesday, 4/22 • 3:20 - 5:00 PM

Regency A, Hyatt, West Tower, Gold Level

### Territory, Politics, Governance Annual Lecture

**Bob Jessop, 'Critical Reflections on  
Multi-Spatial Metagovernance'**

Friday, 4/24 • 3:20 - 5:00 PM

Regency A, Hyatt, West Tower, Gold Level

### Economic Geography Sessions

**A special series of sessions co-organized by the  
RSA and the Economic Geography Specialty Group**

**Tuesday, 4/21 • 8:00 – 11:40 AM and 12.40 – 4:20 PM**  
Lucerne 3, Swissôtel, Lucerne Level

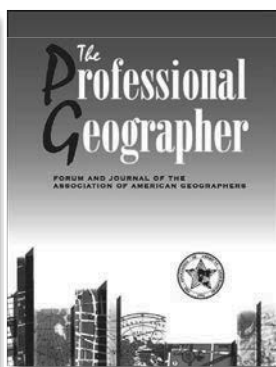
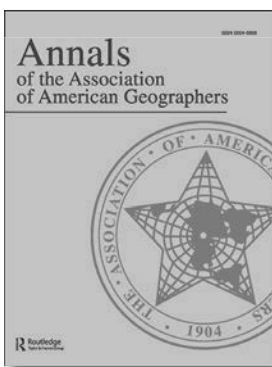
**Wednesday, 4/22 • 8:00 – 11:40 AM and 1.20 – 3:00 PM**  
Regency A, Hyatt, West Tower, Gold Level

**Thursday, 4/23 • 8:00 – 11.40 AM and 1:20 – 3:00 PM**  
Lucerne 3, Swissôtel, Lucerne Level

**Friday, 4/24 • 8:00 – 11:40 AM and 1.20 – 3:00 PM**  
Regency A, Hyatt, West Tower, Gold Level



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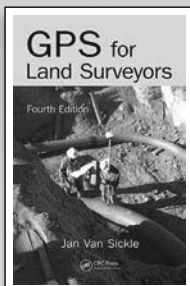
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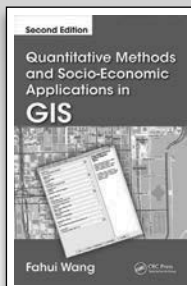
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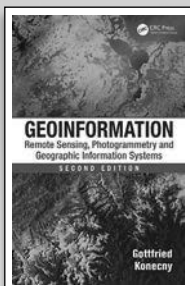
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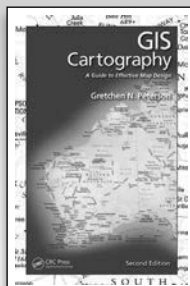
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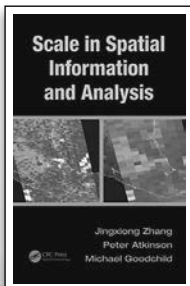
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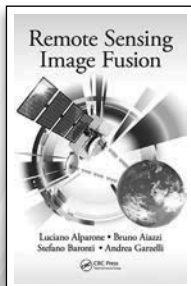
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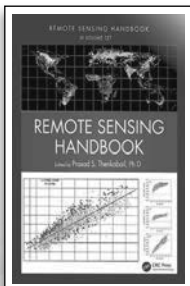
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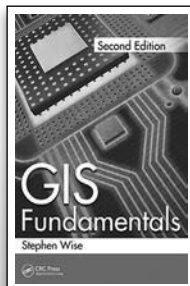
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## MEMORIAL SESSIONS

### **Dr. David Huff: A Tribute to His Contribution to Applied Geographical and Business Research**

Wednesday, April 22, 1:20 p.m. - 3:00 p.m.  
*Zermatt/Gstaad, Swissôtel, Lucerne Level*

Organizers:

**Tony Hernandez**, Ryerson University  
**John Frazier**, Binghamton University

Chair: **Tony Hernandez**, Ryerson University

Panelists:

**Lawrence Joseph**, West Maine  
**Anthony Lea**  
**William C. Black**, Louisiana State University

Sponsors: Business Geography Specialty Group

### **Harm de Blij Memorial Session**

Wednesday, April 22, 5:20 p.m. - 7:00 p.m.  
*Columbus G, Hyatt, East Tower, Gold Level*

Introductory Remarks:

**Douglas Richardson**, Association of American Geographers  
**Peter O. Muller**, University of Miami  
**Gilbert Grosvenor**, National Geographic Society  
**Stephen S. Birdsall**, UNC-Chapel Hill  
**Richard A. Marston**, Kansas State University  
**Risa Palm**, Georgia State University  
**Joseph P. Stoltman**, Western Michigan University  
**Ronald F. Abler**, International Geographical Union  
**Alexander B. Murphy**, University of Oregon

Announcement of the Harm de Blij Award for Excellence in Undergraduate Geography Teaching:

**Jessica Fiorillo** and **Petra Recter**, John Wiley & Sons, Inc.  
**Sarah Witham Bednarz**, AAG Vice President, Texas A&M University  
**Mona Domosh**, AAG President, Dartmouth College

Sponsors: John Wiley & Sons, Inc.

Harm de Blij was one of the most highly regarded geographers of his generation. His illustrious, five-decade academic career started and ended at Michigan State University (capped by an honorary degree); at the National Geographic Society he served for more than 20 years on the Committee for Research and Exploration, becoming the founding editor of its journal, *National Geographic Research*; his outstanding achievements as an educator earned him the highest honors awarded by AAG, NGS and NCGE; and he was a highly active supporter of AAG throughout his 50-plus years of membership. Harm will also be remembered for his 7 years as Geography Editor of

ABC's Good Morning America, one of his many successes in advancing geography in the national public arena over the past half-century.

### **Honoring Dr. Lawrence A. Brown: Continuity and Change: Immigrants and Changing Contexts**

Thursday, April 23, 10:00 a.m. - 7:00 p.m.  
*Columbus IJ, Hyatt, East Tower, Gold Level*

Organizers:

**Madhuri Sharma**, University of Tennessee, Knoxville  
**Michael D. Webb**, University of North Carolina at Chapel Hill

Chair: **Madhuri Sharma**, University of Tennessee, Knoxville

Sponsors: Ethnic Geography Specialty Group, Urban Geography Specialty Group, Population Specialty Group

The career of Lawrence A. Brown was defined by Continuity and Change, as he would title his Presidential Plenary address in 1997. His early work on innovation diffusion and migration led to his seminal book *Innovation Diffusion: A New Perspective* (1981). His later interests shifted to questions surrounding the residential patterns of U.S. cities. Across these diverse interests, Larry was committed to combining rigorous quantitative modeling with attention to 'on the ground' realities, in diverse locations and across time. A series of special sessions honoring Larry Brown will be presented from 10:00 a.m. - 7:00 p.m. on Thursday, April 23. See session numbers: 3218, 3418, 3518, 3618.

### **James Blaut Award and Memorial Lecture, by Cindi Katz**

Thursday, April 23, 5:20 p.m. - 7:00 p.m.  
*Columbus EF, Hyatt, East Tower, Gold Level*

Organizer: **Robert B. Ross**, Point Park University

Chair: **Robert B. Ross**, Point Park University

Introduction: **Cindi Katz**, CUNY Graduate Center

Sponsors: Socialist and Critical Geography Specialty Group

James Blaut's passing in 2000 was a terrible loss to the academy and liberation struggles around the world. A radical geographer, Jim worked indefatigably on issues of social justice and inequality; enhanced our understanding of racism, imperialism, and Eurocentrism; and contributed directly to the advancement of socialist and anti-colonial struggles. The Socialist and Critical Geography Specialty Group (SCGSG) of the Association of American

## MEMORIAL SESSIONS

Geographers (AAG) will present the eleventh annual James Blaut Award and Memorial Lecture at the 2015 AAG Annual Meeting.

### **Celebrating Florence Margai's Contribution to Binghamton University, the ASG, AAG and Beyond**

Thursday, April 23, 5:20 p.m. - 7:00 p.m.  
*Regency B, Hyatt, West Tower, Gold Level*

Organizers of Binghamton University segment:

**John Frazier**, Binghamton University  
**Norah Henry**, Binghamton University  
**Eugene Tettey-Fio**, Binghamton University  
**Ibipo Johnston-Anumonwo**, SUNY - Cortland

Chair: **Norah Henry**, Binghamton University

Speakers:

**Douglas Richardson**, Association of American Geographers  
**John Frazier**, Binghamton University  
**Wei Li**, Arizona State University; Ethnic Geography Specialty Group  
**Sue Grady**, Michigan State University; Health and Medical Geography Specialty Group  
**Ibipo Johnston-Anumonwo**, SUNY - Cortland  
**Eugene Tettey-Fio**, Binghamton University

Organizers of Africa Specialty Group segment:

**Joseph Oppong**, University of North Texas  
**Francis Owusu**, Iowa State University  
**Kefa Otiso**, Bowling Green State University  
**William Moseley**, Macalester College  
**Joseph Zume**, Shippensburg University

Chair: **Kefa Otiso**, Bowling Green State University

Introduction: **Joseph Zume**, Shippensburg University

Speakers:

**Joseph Oppong**, University of North Texas  
**Godson Obia**, Eastern Illinois University  
**Ezekiel Kalipeni**, University of Illinois at Urbana - Champaign  
**Francis Owusu**, Iowa State University  
**William Moseley**, Macalester College  
**Tonny Oyana**, University of Tennessee - Memphis  
**Adam Matthew**, Oklahoma State University  
**Nathaniel Dede-Bamfo**, Texas State University  
**Fatoumata Barry**, Michigan State University

Sponsors: Binghamton University, Africa Specialty Group

Co-sponsors: Ethnic Geography Specialty Group, Health and Medical Geography Specialty Group

### **A Tribute to Harley Johansen - "The Life and Research of an Accidental Geographer" 1 and 2**

Friday, April 24, 1:20 p.m. - 3:00 p.m.

*Grand Suite 2 AB, Hyatt, East Tower, Gold Level*

Organizers (Session 1):

**Michele D. Vachon**, University of Idaho  
**Gundars Rudzitis**, University of Idaho

Chair: **Raymond J. Dezzani**, University of Idaho

Organizers (Session 2):

**Michele D. Vachon**, University of Idaho  
**Gundars Rudzitis**, University of Idaho

Chair: **Tim G. Frazier**, University of Idaho

Sponsors: Rural Geography Specialty Group, Population Specialty Group, Polar Geography Specialty Group

Please join us in celebrating the life's work of Dr. Harley Johansen. Dr. Johansen's colleagues, including former students who are now Geography faculty, will highlight the career of Dr. Johansen along with their inspiring and collaborative research that spans - demography, regional science, rural economic development, and climate change in the Arctic and Barents Region.

## 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**

**2629 What is a wild life? (Sponsored by Animal Geography Specialty Group, Cultural and Political Ecology Specialty Group)**

Wednesday, April 22, 5:20 p.m. - 7:00 p.m.

*Room: Plaza B, Hyatt, East Tower, Green Level (Panel Session)*

### **Asian Geography Specialty Group**

**1677 Asia Calling: Will you Answer? (Sponsored by Asian Geography Specialty Group, China Specialty Group, Middle East Specialty Group, International Research and Scholarly Exchange Committee)**

Tuesday, April 21, 4:40 p.m. - 6:20 p.m.

*Room: Alpine 2, Swissôtel, Lucerne Level (Panel Session)*

### **Bible Geography Specialty Group**

**3125 "New Bible Research Thrusts and Old Questions Probed" (Sponsored by Bible Geography Specialty Group)**

Thursday, April 23, 8:00 a.m. - 9:40 a.m.

*Room: Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Paper Session)*

### **Biogeography Specialty Group**

**4519 Geographers on John Muir - Critically Assessing His Legacy and Relevance 100 Years On (Sponsored by Biogeography Specialty Group, Cultural and Political Ecology Specialty Group)**

Friday, April 24, 3:20 p.m. - 5:00 p.m.

*Room: Columbus KL, Hyatt, East Tower, Gold Level (Panel Session)*

### **Cartography Specialty Group**

**2286 Cartography in the Classroom: Pedagogy, Techniques, and Research on Teaching (Sponsored by Cartography Specialty Group)**

Wednesday, April 22, 10:00 a.m. - 11:40 a.m.

*Room: 300 Classroom, University of Chicago Gleacher Center, 3rd Floor (Panel Session)*

### **China Specialty Group**

**3220 China Geography Specialty Group Plenary Series I: David Ley, "Re-visiting the property state: the cultural relations of homeownership in Singapore, Hong Kong, China, and beyond" (Sponsored by China Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group, International Research and Scholarly Exchange Committee)**

Thursday, April 23, 10:00 a.m. - 11:40 a.m.

*Room: Grand A, Hyatt, East Tower, Gold Level (Panel Session)*

### **Climate Specialty Group**

**2618 Acclaimed broadcast meteorologist and filmmaker Tom Skilling will be the 2015 AAG Climate Specialty Group Plenary Speaker (Sponsored by Climate Specialty Group)**

Wednesday, April 22, 5:20 p.m. - 7:00 p.m.

*Room: Columbus IJ, Hyatt, East Tower, Gold Level (Paper Session)*

### **Communication Geography Specialty Group**

**1157 Geographies of Media I: Provocations (Sponsored by Communication Geography Specialty Group)**

Tuesday, April 21, 8:00 a.m. - 9:40 a.m.

*Room: Addams, Hyatt, West Tower, Silver Level (Paper Session)*

### **Community College Affinity Group**

**4451 Engaging Local Geographies: Bringing the surrounding area into the lower division classroom (Sponsored by Community College Affinity Group, Geography Education Specialty Group)**

Friday, April 24, 1:20 p.m. - 3:00 p.m.

*Room: Stetson A, Hyatt, West Tower, Purple Level (Panel Session)*

### **Cultural Geography Specialty Group**

**3625 "The New Cultural Instrumentalism: Chicago Goes Global" - the 2015 Cultural Geography SG Marquee Session (Sponsored by Cultural Geography Specialty Group, Historical Geography Specialty Group, Chicago and the Great Lakes Region Theme)**

Thursday, April 23, 5:20 p.m. - 7:00 p.m.

*Room: Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Paper Session)*

### **Cultural Geography Specialty Group**

**2429 Cultural Geographies Annual Lecture: Enisle (Sponsored by Cultural Geography Specialty Group, Radical Intra-Disciplinarity Theme, GeoHumanities Theme)**

Wednesday, April 22, 1:20 p.m. - 3:00 p.m.

*Room: Plaza B, Hyatt, East Tower, Green Level (Panel Session)*

### **Development Geographies Specialty Group**

**3443 Development Geographies: Looking Forward (Sponsored by Development Geographies Specialty Group)**

Tuesday, April 21, 10:00 a.m. - 11:40 a.m.

*Room: Regency B, Hyatt, West Tower, Gold Level (Panel Session)*

## SPECIALTY GROUP HIGHLIGHTED SESSIONS

### Disability Specialty Group

**1177 Questioning geography's 'healthy subject' I: Geography and Mental Health (Sponsored by Disability Specialty Group, Cultural Geography Specialty Group, Geographic Perspectives on Women Specialty Group )**

Friday, April 24, 10:00 a.m. - 11:40 p.m.

*Room: Grand E/F, Hyatt, East Tower, Gold Level (Panel Session)*

### Economic Geography Specialty Group

**1635 Financing and Governing Infrastructure - Final Panel (Sponsored by Economic Geography Specialty Group)**

Tuesday, April 21, 4:40 p.m. - 6:20 p.m.

*Room: Picasso, Hyatt, West Tower, Bronze Level (Paper Session)*

### Energy and Environment Specialty Group

**1633 Energy and Environment Specialty Group Annual Plenary Lecture: "Subterranean Territories of Oil Regionalism." Dr. Gabriela Valdivia (Sponsored by Energy and Environment Specialty Group)**

Tuesday, April 21, 4:40 p.m. - 6:20 p.m.

*Room: Gold Coast, Hyatt, West Tower, Bronze Level (Panel Session)*

### European Specialty Group

**1463 Addressing new political and socio-cultural challenges in Europe since the 2007-2008 financial crisis (Sponsored by European Specialty Group, Political Geography Specialty Group)**

Tuesday, April 21, 12:40 p.m. - 2:20 p.m.

*Room: Ogden, Hyatt, West Tower, Silver Level (Paper Session)*

### Geographic Information Science and Systems Specialty Group

**3548 CyberGIS Symposium: Transactions in GIS Plenary (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**

Thursday, April 23, 3:20 p.m. - 5:00 p.m.

*Room: Crystal A, Hyatt, West Tower, Green Level (Paper Session)*

### Geographic Perspectives on Women Specialty Group

**3608 A Political Ecology of Women, Water, and Global Environmental Change: a panel-audience discussion of current contributions to feminist environmental research (Sponsored by Geographic Perspectives on Women Specialty Group)**

Thursday, April 23, 5:20 p.m. - 7:00 p.m.

*Room: Skyway 282, Hyatt, East Tower, Blue Level (Panel Session)*

### Geographies of Food & Agriculture Specialty Group

**4652 Labor/workers across the food chain: Building collaborations between activists and academics (Sponsored by Geographies of Food and Agriculture Specialty Group, Socialist and Critical Geography Specialty Group, Rural Geography Specialty Group)**

Friday, April 24, 5:20 p.m. - 7:00 p.m.

*Room: Stetson BC, Hyatt, West Tower, Purple Level (Panel Session)*

### Geography of Religions and Belief Systems Specialty Group

**1654 Annual Geography of Religions and Belief Systems Lecture 2015: The post-secular problematic (Sponsored by Geography of Religions and Belief Systems Specialty Group)**

Tuesday, April 21, 4:40 p.m. - 6:20 p.m.

*Room: Stetson E, Hyatt, West Tower, Purple Level (Panel Session)*

### Historical Geography Specialty Group

**4233 Distinguished Historical Geographer Plenary: The Legacy of the Slums (Sponsored by Historical Geography Specialty Group, Cultural Geography Specialty Group)**

Friday, April 24, 10:00 a.m. - 11:40 a.m.

*Room: Gold Coast, Hyatt, West Tower, Bronze Level (Panel Session)*

### International Research and Scholarly Exchange Committee

**1577 Re-Birth of the Region: Saliency, Implications and Imaginaries (Sponsored by International Research and Scholarly Exchange Committee, Mountain Geography Specialty Group, Development Geographies Specialty Group, Russian, Central Eurasian, and East European Specialty Group)**

Tuesday, April 21, 2:40 p.m. - 4:20 p.m.

*Room: Alpine 2, Swissôtel, Lucerne Level (Panel Session)*

### Landscape Specialty Group

**4419 The Taylor-Francis/Routledge Distinguished Lecture in Geomorphology "From Landscape Evolution to Human Evolution" presented by Darryl E. Granger (Sponsored by Geomorphology Specialty Group, Landscape Specialty Group, Paleoenvironmental Change Specialty Group)**

Friday, April 24, 1:20 p.m. - 3:00 p.m.

*Room: Columbus KL, Hyatt, East Tower, Gold Level (Panel Session)*

### Latin America Specialty Group

**2590 Central American 'Crisis' Revisited 4 (Sponsored by Latin America Specialty Group, Development Geographies Specialty Group, Political Geography Specialty Group)**

Wednesday, April 22, 3:20 p.m. - 5:00 p.m.

*Room: 406 Classroom, University of Chicago Gleacher Center, 4th Floor (Panel Session)*

### Mountain Geography Specialty Group

**5579 Mountain Connectivity Conservation and Development (Sponsored by Mountain Geography Specialty Group, Biogeography Specialty Group, Development Geographies Specialty Group)**

Saturday, April 25, 4:00 p.m. - 5:40 p.m.

*Room: St. Moritz, Swissôtel, Lucerne Level (Paper Session)*

## SPECIALTY GROUP HIGHLIGHTED SESSIONS

### **Polar Geography Specialty Group**

**1348 The Changing Map of the Arctic: Keynoted speech by Mead Treadwell (Sponsored by Polar Geography Specialty Group, Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group)**

Tuesday, April 21, 11:50 a.m. - 12:30 a.m.

*Room: Crystal A, Hyatt, West Tower; Green Level (Paper Session)*

### **Political Geography Specialty Group**

**2250 Political Geography Plenary: State Power in Blue (Sponsored by Political Geography Specialty Group)**

Wednesday, April 22, 10:00 a.m. - 11:40 a.m.

*Room: Crystal C, Hyatt, West Tower; Green Level (Panel Session)*

### **Population Specialty Group**

**2625 Key issues in the immigrant integration debate (Sponsored by Population Specialty Group, Ethnic Geography Specialty Group)**

Wednesday, April 21, 5:20 p.m. - 7:00 p.m.

*Room: Grand Suite 2 AB, Hyatt, East Tower; Gold Level (Panel Session)*

### **Retired Geographers Affinity Group**

**2228 Assessing Retirement Communities: Patterns and Purposes (Sponsored by Retired Geographers Affinity Group)**

Wednesday, April 22, 10:00 a.m. - 11:40 a.m.

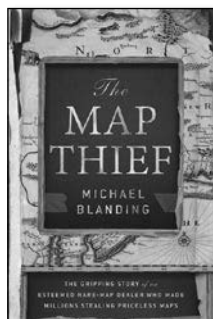
*Room: Plaza A, Hyatt, East Tower; Green Level (Panel Session)*

### **Urban Geography Specialty Group**

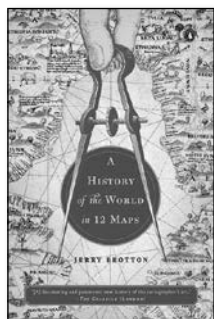
**3442 Urban Geography Plenary Lecture: Ananya Roy, "What is Urban About Critical Urban Theory?" (Sponsored by Urban Geography Specialty Group)**

Thursday, April 23, 1:20 p.m. - 3:00 p.m.

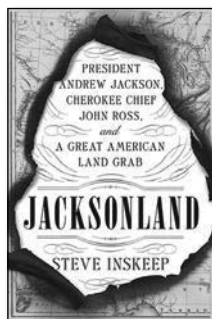
*Room: Regency A, Hyatt, West Tower; Gold Level (Panel Session)*



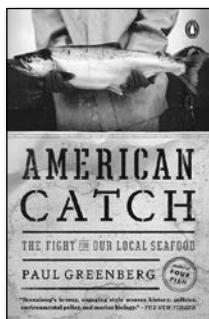
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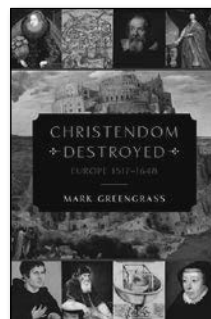
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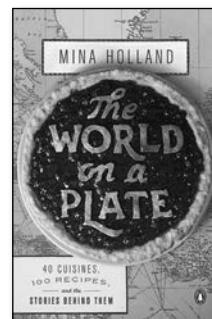
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**AUTHOR SIGNING**  
**LIZ CARLISLE**  
*author of*  
**LENTIL UNDERGROUND**

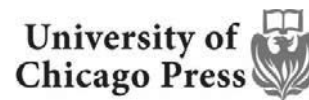
**Wed., April 22**  
**3:15 pm**  
 at the Penguin Booth

## AAG WORLD GEOGRAPHY BOWL

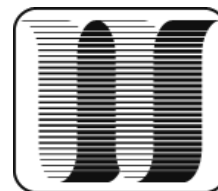
**Friday, April 24, 7:30 p.m., Columbus Rooms, Hyatt, Gold Level, East Tower**

Student teams from the AAG's regional divisions will compete in a round-robin tournament starting at 7:30 p.m. in the Columbus rooms of the Hyatt. The Championship Round will begin at approximately 10:30 p.m.

The AAG World Geography Bowl Committee would like to thank the AAG for sponsoring the 2015 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:



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### Round Robin Volunteers:

Casey Allen, University of Colorado, Denver  
 Tom Bell, Western Kentucky University & University of Tennessee  
 Michaela Buenemann, New Mexico State University  
 Richard Deal, Edinboro University of Pennsylvania  
 Dawn Drake, Missouri Western University  
 Rob Edsall, Idaho State University  
 Peggy Gripshover, Western Kentucky University  
 Tracy-ann Hyman, University of the West Indies  
 Mel Johnson, University of Wisconsin at Manitowoc  
 Patrick May, Plymouth State University  
 Jon Moore, Education Testing Service  
 Zia Salim, California State University at Fullerton

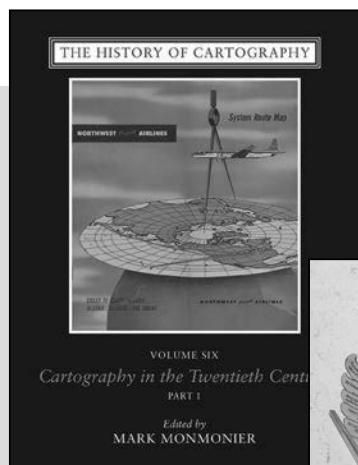
*If you are interested to volunteer, please contact  
 Jamison Conley: [jamison.conley@mail.wvu.edu](mailto:jamison.conley@mail.wvu.edu).*

### Question Writers:

Casey Allen, University of Colorado, Denver  
 Tom Bell, Western Kentucky University & University of Tennessee  
 Michaela Buenemann, New Mexico State University  
 Bill Carstensen, Virginia Tech  
 Jamison Conley, West Virginia University  
 Richard Deal, Edinboro University of Pennsylvania  
 Dawn Drake, Missouri Western University  
 Rob Edsall, Idaho State University  
 Peggy Gripshover, Western Kentucky University  
 Virginia Hetrick, DeVry University  
 Jon Moore, Education Testing Service  
 Jeff Neff, Western Carolina University  
 Lee Ann Nolan, Pennsylvania State University  
 Wesley Reisser, US Department of State & George Washington University



# FROM CHICAGO



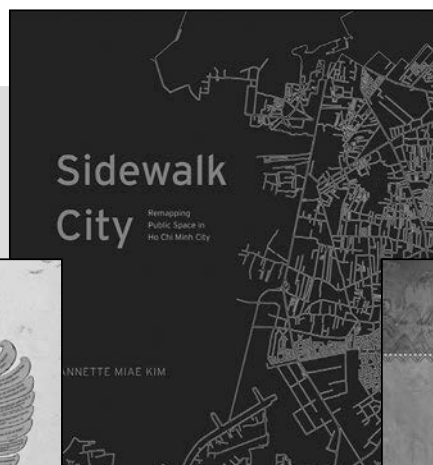
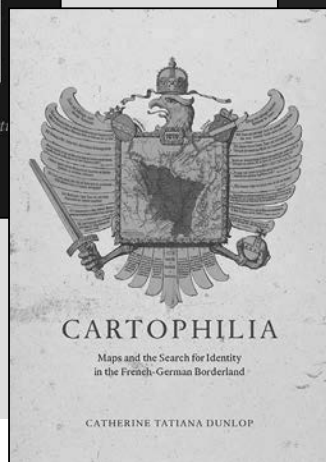
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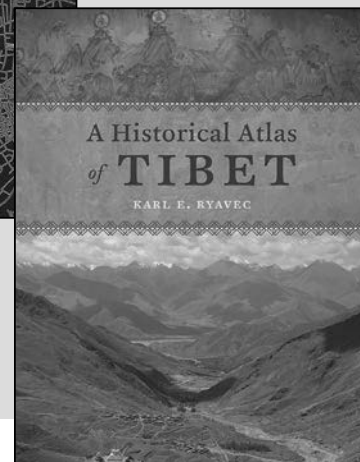
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**Elizabeth A. Sutton**  
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## AAG JOBS & CAREERS CENTER

### AAG JOBS & CAREERS CENTER • GENERAL INFORMATION

The Jobs & Careers Center will be located in Columbus AB & CD, Hyatt, East Tower, Gold Level. It provides a central location for job seekers, students, and professionals to interact with one another and to learn more about careers and professional development for geographers. No additional cost or registration is required for conference participants to visit the Jobs & Careers Center.

#### Information Booth

The information booth will provide you with a welcome and introduction to the Jobs & Careers Center. Here you can browse a range of materials including brochures, tip sheets, and books related to careers and professional development. Our staff can also answer general questions about the various events and activities happening in the Jobs & Careers Center throughout the Annual Meeting. The information booth will operate from 8:00 am to 5:30 pm from April 21-24.

#### Career Mentoring

Whether you're looking for your first job, considering graduate school, or changing careers, the advice of a mentor can help prepare you for success in today's competitive job market. The AAG has assembled a team of experienced geography professionals, faculty members, and advanced students to provide one-on-one and small-group consultation about careers in a variety of industries and employment sectors. Topics for discussion might include creating resumes and cover letters that will grab an employer's attention, finding jobs where you can put your geography skills and training to work, choosing a graduate program, developing your personal and professional networks, long-term career planning, and more. Career mentoring sessions will take place April 21-24, each morning from 10:00 to 11:40 am.

#### 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, faculty, and professional 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 speak with the Ambassadors. AAG Diversity Ambassadors are organizing a panel session at the 2015 Annual Meeting, "Students and Early Careers Geographers: Advice from the AAG's Diversity Ambassadors" (session 2414). This panel session is a continuation of a similar panel organized last year, which intends to both build upon and enhance the information provided in alternative conference sessions focused on professional development and careers.

#### GISCI Certification

Did you know you can earn GISP credits by participating in the AAG Annual Meeting? Attendance provides several ways to earn necessary points for the "Contributions to the Profession" and "Education" components of becoming a GISP. A workshop entitled "Becoming a Certified GISP and Why It Matters for Your Geospatial Career" will take place on Thursday, April 23, from 3:20-5:00 pm in the Jobs & Careers Center. Prospective GISPs and current GISPs who have questions about renewing their certification are encouraged to attend. Attendance is first-come, first-served and will be capped at 30 participants.

# AAG JOBS & CAREERS CENTER

## AAG JOBS & CAREERS CENTER • SCHEDULE OF ACTIVITIES

### Tues., April 21

- 8:00 a.m. – 9:40 a.m. Panel: *Welcome to the AAG Annual Meeting! A Discussion on Navigating and Making the Most of the Conference*  
 Workshop: *Preparing Geography Students for the 21<sup>st</sup> Century Workforce*
- 10:00 a.m. – 11:40 a.m. Career Mentoring A
- 12:40 p.m. – 2:20 p.m. Workshop: *Networking: Promoting Yourself by Making Connections that Count*
- 2:40 p.m. – 4:20 p.m. Panel: *Teaching and Advising about Careers in Geography*
- 4:40 p.m. – 6:20 p.m. Panel: *Careers in GIS: The Real World Awaits*

### Wed., April 22

- 8:00 a.m. – 9:40 a.m. Panel: *Beyond the Ivory Tower A: Preparing Geographers for Business and Private Sector Careers*
- 10:00 a.m. – 11:40 a.m. Career Mentoring B  
 Paper Session: *Career Preparation in Undergraduate and Graduate Geography Programs*
- 1:20 p.m. – 3:00 p.m. Panel: *The Academic Job Market for Geographers A: Strategies for Improving Career Preparation*  
 Panel: *Students and Early Career Geographers: Advice from the AAG's Diversity Ambassadors*
- 3:20 p.m. – 5:00 p.m. Panel: *Meet the Author: How to Design, Write, and Present a Successful Dissertation Proposal*  
 Panel: *Family and Academia: Strike a Balance*
- 5:20 p.m. – 7:00 p.m. Panel: *Working Abroad: International Job Opportunities for Geographers*  
 Panel: *Opportunities in Science Policy for Geographers and Environmental Scientists*

### Thurs., April 23

- 8:00 a.m. – 9:40 a.m. Panel: *Beyond the Ivory Tower B: Preparing Geographers for Government and Nonprofit Careers*  
 Panel: *Creating a Geography Buzz: Innovative Ways to Promote Geography*
- 10:00 a.m. – 11:40 a.m. Career Mentoring C
- 1:20 p.m. – 3:00 p.m. Panel: *The Academic Job Market for Geographers B: Challenges and Opportunities for Enhancing Professional Success*
- 3:20 p.m. – 5:00 p.m. Workshop: *Becoming a Certified GISP and Why It Matters for Your Geospatial Career*  
 Panel: *Jobs in Geohumanities I*
- 5:20 p.m. – 7:00 p.m. Workshop: *You're Hired: How to Showcase Your Skills with Interactive Maps and Apps*  
 Panel: *Jobs in Geohumanities II*

### Fri., April 24

- 8:00 a.m. – 9:40 a.m. Panel: *Impressions Count: Practical Advice from Employers*  
 Panel: *Career Panel for Population Geographers*
- 10:00 a.m. – 11:40 a.m. Career Mentoring D
- 1:20 p.m. – 3:00 p.m. Panel: *Internships and Work-Based Learning as Career Preparation*
- 3:20 p.m. – 5:00 p.m. Panel: *Student Opportunities for Study and Career Development in Location Intelligence*
- 5:20 p.m. – 7:00 p.m. Paper Session: *Preparing the Geospatial Technology Workforce*

***The Jobs & Careers information  
 booth will operate from 8:00 am  
 to 5:30 pm daily, April 21-24.***

## AAG JOBS & CAREERS CENTER

### AAG 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.

#### **MONDAY, APRIL 20**

##### **WS #0-2: Visions of the Future: Precarious Working Conditions in Academia (Workshop)**

1:20 – 5:00 pm in Skyway 269, Hyatt, Blue Level, East Tower  
*Sponsored by Hamburg University, AAG Jobs and Careers Theme*

#### **TUESDAY, APRIL 21**

##### **1113: Welcome to the AAG Annual Meeting! A Discussion on Navigating and Making the Most of the Conference**

8:00 – 9:40 am in Columbus AB, Hyatt, East Tower, Gold Level  
*Sponsored by Graduate Student Affinity Group, Geography Faculty Development Alliance (GFDA), AAG Jobs and Careers Theme*

##### **WS #2-3: Preparing Geography Students for the 21<sup>st</sup> Century Workforce (Workshop)**

8:00 – 9:40 am in Columbus CD, Hyatt, East Tower, Gold Level  
*Sponsored by AAG Jobs and Careers Theme*

##### **1180: Geographic Perspectives on Entrepreneurship: Factors, Processes, and Disparities 1**

8:00 – 9:40 am in Grindelwald, Swissôtel, Lucerne Level  
*Sponsored by Economic Geography Specialty Group, Business Geography Specialty Group, AAG Jobs and Careers Theme*

##### **1206: Broadening Participation of Women and Minority university students in STEM through online learning**

10:00 – 11:40 am in Skyway 273, Hyatt, East Tower, Blue Level  
*Sponsored by Geography and Online Education Theme, Geography Education Specialty Group, AAG Jobs and Careers Theme*

##### **1213: Career Mentoring A**

10:00 – 11:40 am in Columbus AB, Hyatt, East Tower, Gold Level  
*Sponsored by AAG Jobs and Careers Theme*

##### **1280: Geographic Perspectives on Entrepreneurship: Factors, Processes, and Disparities 2**

10:00 – 11:40 am in Grindelwald, Swissôtel, Lucerne Level  
*Sponsored by Economic Geography Specialty Group, Business Geography Specialty Group, Jobs and Careers Theme*

##### **WS #1-4: Teaching for Human GeoCapabilities (Workshop)**

10:00 – 11:50 am in Skyway 265, Hyatt, Blue Level, East Tower  
*Sponsored by Association of American Geographers, AAG Jobs and Careers Theme*

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

12:40 – 2:20 pm in Skyway 265, Hyatt, Blue Level, East Tower  
*Sponsored by Journal of Geography in Higher Education, Taylor Francis Routledge, AAG Jobs and Careers Theme*

##### **1448: The James R. Anderson Distinguished Lecture in Applied Geography's Future in the United States: Geography in the United States**

12:40 – 2:20 pm in Crystal A, Hyatt, West Tower, Green Level  
*Sponsored by Applied Geography Specialty Group, AAG Jobs and Careers Theme*

##### **WS #1-3: Networking: Promoting Yourself by Making Connections that Count (Workshop)**

12:40 – 2:20 pm in Jobs & Careers Center  
*Sponsored by AAG Jobs and Careers Theme*

##### **1513: Teaching and Advising about Careers in Geography**

2:40 – 4:20 pm in Columbus AB, Hyatt, East Tower, Gold Level  
*Sponsored by Geography Education Specialty Group, AAG Jobs and Careers Theme*

##### **1613: Careers in GIS: The Real World Awaits**

4:40 – 6:20 pm in Columbus AB, Hyatt, East Tower, Gold Level  
*Sponsored by AAG Jobs and Careers Theme*

##### **1640: GSAG Plenary with Audrey Kobayashi**

4:40 – 6:20 pm in Hong Kong, Hyatt, West Tower, Gold Level  
*Sponsored by Graduate Student Affinity Group, AAG Jobs and Careers Theme*

#### **WEDNESDAY, APRIL 22**

##### **2113: Beyond the Ivory Tower A: Preparing Geographers for Business and Private Sector Careers**

8:00 – 9:40 am in Columbus AB, Hyatt, East Tower, Gold Level  
*Sponsored by Applied Geography Specialty Group, AAG Jobs and Careers Theme*

##### **2213: Career Mentoring B**

10:00 – 11:40 am in Columbus AB, Hyatt, East Tower, Gold Level  
*Sponsored by AAG Jobs and Careers Theme*

##### **2214: Career Preparation in Undergraduate and Graduate Geography Programs**

10:00 – 11:40 am in Columbus CD, Hyatt, East Tower, Gold Level  
*Sponsored by AAG Jobs and Careers Theme*

## AAG JOBS & CAREERS CENTER

### **2283: Crafting a successful NSF proposal: A discussion with former NSF program officers**

10:00 – 11:40 am in 200 Classroom, University of Chicago  
Gleacher Center, 2nd Floor

*Sponsored by AAG Jobs and Careers Theme*

### **2413: The Academic Job Market for Geographers A: Strategies for Improving Career Preparation**

1:20 – 3:00 pm in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by Stand-Alone Geographers Affinity Group, Community College Affinity Group, AAG Jobs and Careers Theme*

### **2414: Students and Early Career Geographers: Advice from the AAG's Diversity Ambassadors**

1:20 – 3:00 pm in Columbus CD, Hyatt, East Tower, Gold Level

*Sponsored by AAG Jobs and Careers Theme*

### **2486: Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 1 of 3)**

1:20 – 3:00 pm in 300 Classroom, University of Chicago  
Gleacher Center, 3rd Floor

*Sponsored by AAG Jobs and Careers Theme*

### **2513: Meet the Author: How to Design, Write, and Present a Successful Dissertation Proposal**

3:20 – 5:00 pm in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by AAG Jobs and Careers Theme*

### **2514: Family and Academia: Strike a Balance**

3:20 – 5:00 pm in Columbus CD, Hyatt, East Tower, Gold Level

*Sponsored by Stand-Alone Geographers Affinity Group, Community College Affinity Group, AAG Jobs and Careers Theme*

### **2586: Speed-Dating with an NSF Program Officer (Opportunity 1 of 3)**

3:20 – 5:00 pm in 300 Classroom, University of Chicago  
Gleacher Center, 3rd Floor

*Sponsored by AAG Jobs and Careers Theme*

### **2613: Working Abroad: International Job Opportunities for Geographers**

5:20 – 7:00 pm in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by AAG Jobs and Careers Theme*

### **2614: Opportunities in Science Policy for Geographers and Environmental Scientists**

5:20 – 7:00 pm in Columbus CD, Hyatt, East Tower, Gold Level

*Sponsored by AAG Jobs and Careers Theme*

### **THURSDAY, APRIL 23**

### **3113: Beyond the Ivory Tower B: Preparing Geographers for Government and Nonprofit Careers**

8:00 – 9:40 am in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by Applied Geography Specialty Group, AAG Jobs and Careers Theme*

### **3114: Creating a Geography Buzz: Innovative Ways to Promote Geography**

8:00 – 9:40 am in Columbus CD, Hyatt, East Tower, Gold Level

*Sponsored by Geography Education Specialty Group, Community College Affinity Group, AAG Jobs and Careers Theme*

### **3148: Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 2 of 3)**

8:00 – 9:40 am in Crystal A, Hyatt, West Tower, Green Level

*Sponsored by AAG Jobs and Careers Theme*

### **3178: Faculty Opportunities for Research and Teaching in Location Intelligence**

8:00 – 9:40 am in Zermatt/Gstaad, Swissôtel, Lucerne Level

*Sponsored by Business Geography Specialty Group, AAG Jobs and Careers Theme*

### **3213: Career Mentoring C**

10:00 – 11:40 am in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by AAG Jobs and Careers Theme*

### **3248: Speed-Dating with an NSF Program Officer (Opportunity 2 of 3)**

10:00 – 11:40 am in Crystal A, Hyatt, West Tower, Green Level

*Sponsored by AAG Jobs and Careers Theme*

### **3413: The Academic Job Market for Geographers B: Challenges and Opportunities for Enhancing Professional Success**

1:20 – 3:00 pm in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by Stand-Alone Geographers Affinity Group, Community College Affinity Group, AAG Jobs and Careers Theme*

### **3414: Introducing the Southern African Geography Teachers Association (SAGTA)**

1:20 – 3:00 pm in Columbus CD, Hyatt, East Tower, Gold Level

*Sponsored by AAG Jobs and Careers Theme*

### **3437: Practicing Geography: Undergraduate Engaged Scholarship**

1:20 – 3:00 pm in Wrigley, Hyatt, West Tower, Bronze Level

*Sponsored by AAG Jobs and Careers Theme*

## AAG JOBS & CAREERS CENTER

### **WS #3-2: Becoming a Certified GISP and Why It Matters for Your Geospatial Career (Workshop)**

3:20 – 5:00 pm in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by GISCI, Association of American Geographers, AAG Jobs and Careers Theme*

### **3514: Jobs in Geohumanities I**

3:20 – 5:00 pm in Columbus CD, Hyatt, East Tower, Gold Level

*Sponsored by Cultural Geography Specialty Group, AAG Jobs and Careers Theme*

### **WS #3-4: You're Hired: How to Showcase Your Skills with Interactive Maps and Apps (Workshop)**

5:20 – 7:00 pm in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by AAG Jobs and Careers Theme*

### **3614: Jobs in Geohumanities II**

5:20 – 7:00 pm in Columbus CD, Hyatt, East Tower, Gold Level

*Sponsored by Cultural Geography Specialty Group, AAG Jobs and Careers Theme*

## **FRIDAY, APRIL 24**

### **4113: Impressions Count: Practical Advice from Employers**

8:00 – 9:40 am in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by AAG Jobs and Careers Theme*

### **4114: Career Panel for Population Geographers**

8:00 – 9:40 am in Columbus CD, Hyatt, East Tower, Gold Level

*Sponsored by Population Specialty Group, AAG Jobs and Careers Theme*

### **WS #4-4: Walking the Tightrope: Negotiating Success for Women in Geography (Workshop)**

9:00 – 12:00 pm in Skyway 269, Hyatt, Blue Level, East Tower

*Sponsored by AAG Jobs and Careers Theme*

### **4213: Career Mentoring D**

10:00 – 11:40 am in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by AAG Jobs and Careers Theme*

### **4222: Practicing and Performing 'New' Economic Geography: Method, Theory, Analysis and Impact (I)**

10:00 – 11:40 am in Grand C/D North, Hyatt, East Tower, Gold Level

*Sponsored by Economic Geography Specialty Group, AAG Jobs and Careers Theme*

### **4413: Internships and Work-Based Learning as Career Preparation**

1:20 – 3:00 pm in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by Geography Education Specialty Group, Graduate Student Affinity Group, AAG Jobs and Careers Theme*

### **4415 Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 3 of 3)**

1:20 – 3:00 pm in Columbus EF, Hyatt, East Tower, Gold Level

*Sponsored by AAG Jobs and Careers Theme*

### **4422: Practicing and Performing 'New' Economic Geography: Method, Theory, Analysis and Impact (II)**

1:20 – 3:00 pm in Grand C/D North, Hyatt, East Tower, Gold Level

*Sponsored by Economic Geography Specialty Group, AAG Jobs and Careers Theme*

### **4513: Student Opportunities for Study and Career Development in Location Intelligence**

3:20 – 5:00 pm in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by Business Geography Specialty Group, AAG Jobs and Careers Theme*

### **4515: Speed-Dating with an NSF Program Officer (Opportunity 3 of 3)**

3:20 – 5:00 pm in Columbus EF, Hyatt, East Tower, Gold Level

*Sponsored by AAG Jobs and Careers Theme*

### **4567: Supporting women in Remote Sensing and GIS**

3:20 – 5:00 pm in Michigan C, Hyatt, East Tower, Ped Path

*Sponsored by Remote Sensing Specialty Group, Geographic Information Science and Systems Specialty Group, Geographic Perspectives on Women Specialty Group, AAG Jobs and Careers Theme*

### **4613: Preparing the Geospatial Technology Workforce**

5:20 – 7:00 pm in Columbus AB, Hyatt, East Tower, Gold Level

*Sponsored by AAG Jobs and Careers Theme*

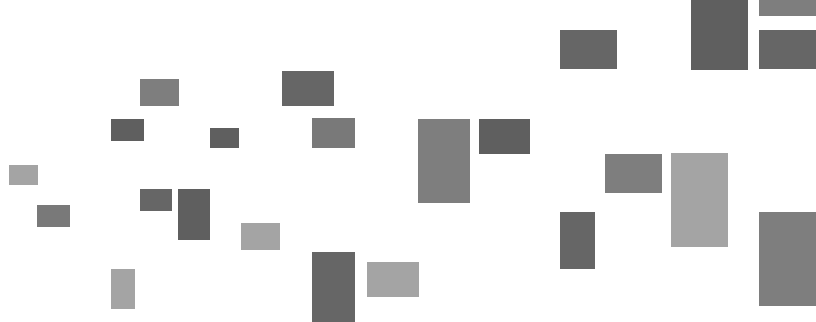
### **4662: Tenure: Supporting Women in Geography Across the Sub-disciplines, 3rd Annual Panel**

5:20 – 7:00 pm in McCormick, Hyatt, West Tower, Silver Level

*Sponsored by Geographic Perspectives on Women Specialty Group, Climate Specialty Group, Graduate Student Affinity Group, AAG Jobs and Careers Theme*

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David A. Cleveland

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Gary Paul Nabhan

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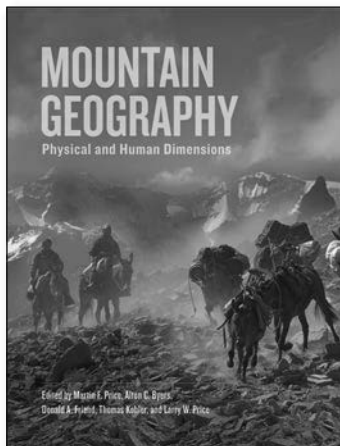
B. Lynn Ingram and Frances Malamud-Roam

## **Wine Atlas of Germany**

Dieter Braatz, Ulrich Sautter, and Ingo  
Swoboda. Photographs by Hendrik Holler

## **Mountain Geography**

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## **Mosquito Trails**

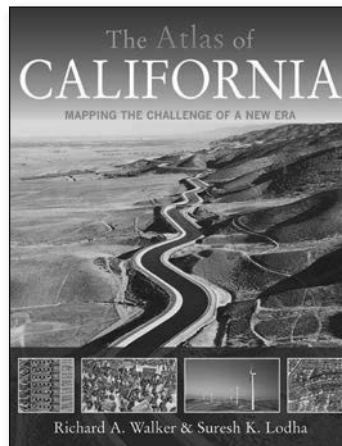
Alex M. Nading

## **Toxic Injustice**

Susanna Rankin Bohme

## **Phylogeography of California**

Kristina A. Schierenbeck



## **After the Grizzly**

Peter Alagona

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See page 44



## SESSION SPONSORS

### Antipode Foundation and Wiley

**Antipode 2015 Lecture: People Without Property in Jobs: Stuart Hall and the Conundrums of Contemporary Urbanization in India (2622)**

Wednesday, April 22, 5:20 PM - 7:00 PM

Room: Grand C/D North, Hyatt, East Tower, Gold Level

### Clark University and Economic Geography Specialty Group

**The Roepke Lecture in Economic Geography: "The right to work, and the right at work".**

**Jamie Peck, The University of British Columbia (3549)**

Thursday, April 23, 3:20 p.m. - 5:00 p.m.

Room: Crystal B, Hyatt, West Tower, Green Level

### IJURR International Journal of Urban and Regional Research

**2015 Annual Lecture (3649)**

Thursday, April 23, 5:20 p.m. - 7:00 p.m.

Room: Crystal B, Hyatt, West Tower, Green Level

### ESRI

**Designing Online Learning Opportunities in Geography A (3215)**

Thursday, April 23, 10:00 a.m. - 11:40 a.m.

Room: Columbus EF, Hyatt, East Tower, Gold Level

**Designing Online Learning Opportunities in Geography B (3415)**

Thursday, April 23, 1:20 p.m. - 3:00 p.m.

Room: Columbus EF, Hyatt, East Tower, Gold Level

**Geography and Online Education A: What are the key challenges and opportunities afforded by online higher education? (2517)**

Wednesday, April 22, 3:20 p.m. - 5:00 p.m.

Room: Columbus H, Hyatt, East Tower, Gold Level

**Geography and Online Education B: What is the status of online geography and geospatial education and its impact on traditional educational offerings? Panel (2617)**

Wednesday, April 22, 5:20 p.m. - 7:00 p.m.

Room: Columbus H, Hyatt, East Tower, Gold Level

**K-12 Education ConnectED with Geography through ArcGIS Online (3515)**

Thursday, April 23, 3:20 p.m. - 5:00 p.m.

Room: Columbus EF, Hyatt, East Tower, Gold Level

**Pop-Up Learning: How Online Courses Are Changing - And Challenging - Higher Education Paper (2417)**

Wednesday, April 22, 1:20 p.m. - 3:00 p.m.

Room: Columbus H, Hyatt, East Tower, Gold Level

### ROUTLEDGE

**The Changing Map of the Arctic: Keynote Speech by Mead Treadwell (1348)**

Tuesday, April 21, 11:50 a.m. - 12:30 p.m.

Room: Crystal A, Hyatt, West Tower, Green Level

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

Tuesday, April 21, 12:40 p.m. - 2:20 p.m.

Room: Skyway 265

**Ukraine Roundtable 2.0: Bringing E. Ukraine, Crimea, Abkhazia, South Ossetia and Transnistria to the Table (2315)**

Wednesday, April 22, 11:50 a.m. - 1:10 p.m.

Room: Columbus EF, Hyatt, East Tower, Gold Level

**Regional Studies Annual Lecture - Ron Boschma (2542)**

Wednesday, April 22, 2015, 3:20 p.m. - 5:00 p.m.

Room: Regency A, Hyatt, West Tower, Gold Level

**Intellectual Currents in Italian Geography (3254)**

Thursday, April 23, 10:00 a.m. - 11:40 a.m.

Room: Stetson E, Hyatt, West Tower, Purple Level

**Launch of GeoHumanities Journal (3433)**

Thursday, April 23, 1:20 p.m. - 3:00 p.m.

Room: Gold Coast, Hyatt, West Tower, Bronze Level

**Urban Geography Plenary Lecture: Ananya Roy, "What is Urban About Critical Urban Theory" (3442)**

Thursday, April 23, 1:20 p.m. - 3:00 p.m.

Room: Regency A, Hyatt, West Tower, Gold Level

**Journal of Geography in Higher Education 2015 Annual Lecture "Transitions in U.S. Higher Education: Implications for Geography Learning" (4350)**

Friday, April 24, 11:50 a.m. - 1:10 p.m.

Room: Crystal C, Hyatt, West Tower, Green Level

**The Taylor-Francis / Routledge Distinguished Lecture in Geomorphology "From Landscape Evolution to Human Evolution" presented by Darryl E. Granger (4419)**

Friday, April 24, 1:20 p.m. - 3:00 p.m.

Room: Columbus KL, Hyatt, East Tower, Gold Level

**Territory, Politics, Governance Annual Lecture - Bob Jessop (4542)**

Friday, April 24, 3:20 p.m. - 5:00 p.m.

Room: Regency A, Hyatt, West Tower, Gold Level

### SAGE PUBLISHING

**Urban Studies Annual Lecture (3714, 3814)**

Thursday, April 23, 7:15 p.m. - 9:15 p.m.

Room: Columbus CD, Hyatt, East Tower, Gold Level

### United States Geological Survey

**Ecoregions and Climate Change: Current Status and Prospect (4447)**

Friday, April 24, 1:20 p.m. - 3:00 p.m.

Room: Toronto, Hyatt, West Tower, Gold Level

**Global Urban Observations V: Remote Sensing of Urban and Suburban Environments (4656)**

Friday, April 24, 5:20 p.m. - 7:00 p.m.

Room: Stetson G, Hyatt, West Tower, Purple Level

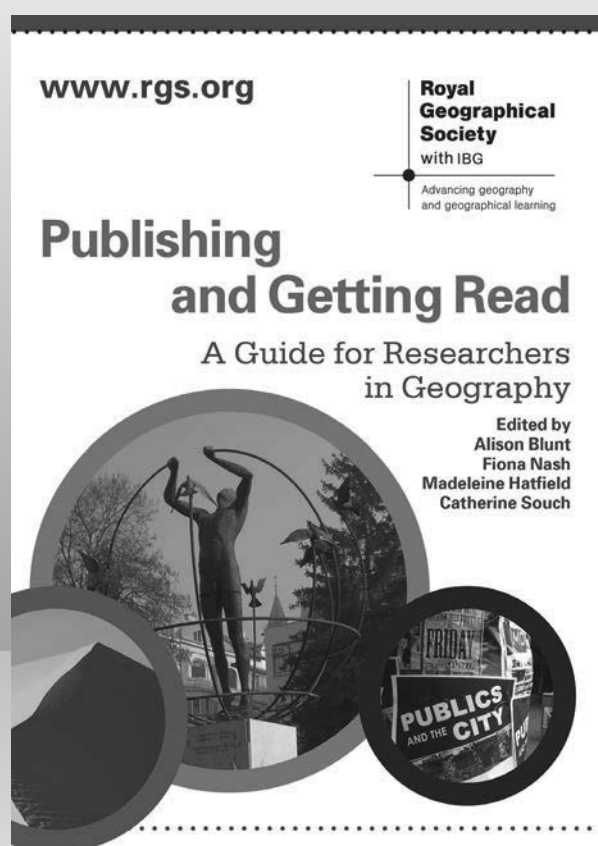
**A New Map of Global Ecological Land Units (2319)**

Wednesday, April 22, 11:50 a.m. - 1:10 p.m.

Room: Columbus KL, Hyatt, East Tower, Gold Level

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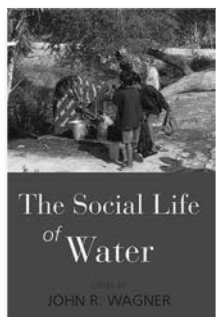
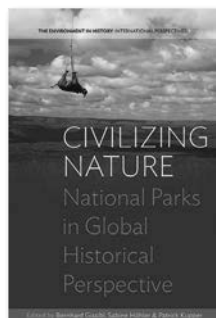
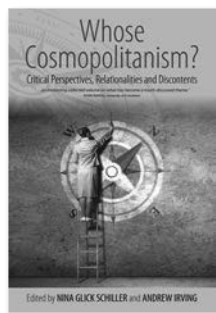
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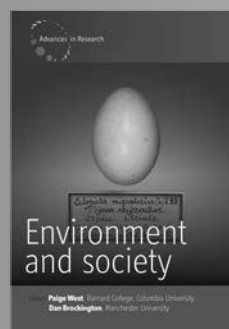
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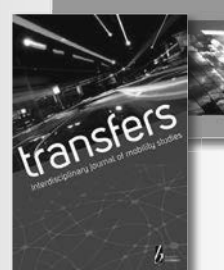
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## SPECIAL EVENTS AND MEETINGS SUMMARY

### AAG Council Meeting

Sunday, April 19, 3:00 p.m. - 7:00 p.m.  
Monday, April 20, 9:00 a.m. - 6:00 p.m.  
Tuesday, April 21, 9:00 a.m. - 12:00 p.m.  
(Plaza A, Hyatt, Green Level, East Tower)

### TUESDAY, APRIL 21

#### **The Changing Map of the Arctic: Former Lieutenant Governor of Alaska Mead Treadwell**

Tuesday, April 21, 11:50 a.m. - 12:30 p.m.  
(Crystal A, Hyatt, West Tower, Green Level)

#### **Mona Domosh Presidential Plenary Session: Radical Intra-Disciplinarity**

Tuesday, April 21, 6:30 p.m. - 8:30 p.m.  
(Grand Ballroom CD South and EF, Hyatt, Gold Level, East Tower)

### WEDNESDAY, APRIL 22

#### **AGR Editorial Board Meeting**

Wednesday, April 22, 8:00 a.m. - 9:30 a.m.  
(Jackson Boardroom, Hyatt, Lakeshore Level, East Tower)

#### **Recent Developments in Health Research**

Wednesday, April 22, 8:00 a.m. - 9:40 a.m.  
(Plaza B, Hyatt, East Tower, Green Level)

#### **Opening Plenary: Symposium on International Geospatial Health Research: Creating Synergies**

Wednesday, April 22, 10:00 a.m. - 11:40 p.m.  
(Acapulco, Hyatt, West Tower, Gold Level)

#### **Cultural Geographies Board Meeting**

Wednesday, April 22, 10:00 a.m. - 12:00 a.m.  
(Jackson, Hyatt, Lakeshore Level, East Tower)

#### **AAG Department Chairs Luncheon**

Wednesday, April 22, 11:45 a.m. - 2:00 p.m.  
(Columbus G, Hyatt, Gold Level, East Tower)

#### **AAG Specialty and Affinity Group Chairs Meeting**

Wednesday, April 22, 11:45 a.m. - 12:45 p.m.  
(Columbus IJ, Hyatt, Gold Level, East Tower)

#### **A New Map of Global Ecological Land Units**

Wednesday, April 22, 11:50 a.m. - 1:10 p.m.  
(Columbus KL, Hyatt, East Tower, Gold Level)

#### **Ukraine Roundtable 2.0: Bringing Eastern Ukraine, Crimea, Abkhazia, South Ossetia and Transnistria to the Table**

Wednesday, April 22, 11:50 a.m. - 1:10 p.m.  
(Columbus EF, Hyatt, East Tower, Gold Level)

#### **CPGIS Business Meeting**

Wednesday, April 22, 12:00 p.m. - 1:10 p.m.  
(Crystal A, Hyatt, Gold Level, East Tower)

#### **AAG World Geography Bowl Executive Committee Meeting**

Wednesday, April 22, 1:00 p.m. - 2:00 p.m.  
(Jackson Boardroom, Hyatt, Lakeshore Level, East Tower)

#### **Author Meets Critics: Geoffrey Martin's American Geography and Geographers**

Wednesday, April 22, 1:20 p.m. - 3:00 p.m.  
(Comiskey, Hyatt, West Tower, Bronze Level)

#### **Pop-Up Learning: How Online Courses are Changing - And Challenging - Higher Education**

Wednesday, April 22, 1:20 p.m. - 3:00 p.m.  
(Columbus H, Hyatt, East Tower, Gold Level)

#### **JGHE Editorial Board Meeting**

Wednesday, April 22, 4:30 p.m. - 6:30 p.m.  
(Board of Trade, Hyatt, Top Level, West Tower)

#### **AAG Human Geography Poster Session Reception and Happy Hour in the Exhibit Hall**

Wednesday, April 22, 4:30 p.m. - 7:30 p.m.  
(Riverside Exhibit Hall, Hyatt, Purple Level, East Tower)

#### **A People's Guide**

Wednesday, April 22, 7:00 p.m. - 8:30 p.m.  
(Board of Trade, Hyatt, Top Level, West Tower)

#### **AAG International Reception**

Wednesday, April 22, 7:00 p.m. - 9:00 p.m.  
(Crystal ABC, Hyatt, Green Level, West Tower)

#### **Antipode 2015 Lecture Groovefest and Reception**

Wednesday, April 22, 7:00 p.m. - 8:30 p.m.  
(Grand C/D North, Hyatt, Gold Level, East Tower)

#### **Climate Specialty Group Business Meeting**

Wednesday, April 22, 7:15 p.m. - 8:15 p.m.  
(Columbus IJ, Hyatt, East Tower, Gold Level)

#### **Cryosphere Specialty Group Business Meeting**

Wednesday, April 22, 7:15 p.m. - 8:15 p.m.  
(Grand Suite 5, Hyatt, East Tower, Gold Level)

## SPECIAL EVENTS AND MEETINGS SUMMARY

### European Specialty Group Business Meeting

Wednesday, April 22, 7:15 p.m. - 8:15 p.m.

*(Grand Suite 2 AB, Hyatt, East Tower, Gold Level)*

### Geographic Information Science and Systems Specialty Group Business Meeting

Wednesday, April 22, 7:15 p.m. - 8:15 p.m.

*(Columbus H, Hyatt, East Tower, Gold Level)*

### Population Specialty Group Business Meeting

Wednesday, April 22, 7:15 p.m. - 8:15 p.m.

*(Grand Suite 3, Hyatt, East Tower, Gold Level)*

### Qualitative Research Specialty Group Business Meeting

Wednesday, April 22, 7:15 p.m. - 8:15 p.m.

*(Columbus CD, Hyatt, East Tower, Gold Level)*

### Recreation, Tourism, and Sport Specialty Group Business Meeting

Wednesday, April 22, 7:15 p.m. - 8:15 p.m.

*(Columbus AB, Hyatt, East Tower, Gold Level)*

### Africa Specialty Group Business Meeting

Wednesday, April 22, 8:15 p.m. - 9:15 p.m.

*(Columbus AB, Hyatt, East Tower, Gold Level)*

### Cyberinfrastructure Specialty Group Business Meeting

Wednesday, April 22, 8:15 p.m. - 9:15 p.m.

*(Grand Suite 3, Hyatt, East Tower, Gold Level)*

### Development Geographies Specialty Group Business Meeting

Wednesday, April 22, 8:15 p.m. - 9:15 p.m.

*(Grand Suite 2 AB, Hyatt, East Tower, Gold Level)*

### Ethics, Justice, and Human Rights Specialty Group Business Meeting

Wednesday, April 22, 8:15 p.m. - 9:15 p.m.

*(Grand Suite 5, Hyatt, East Tower, Gold Level)*

### Graduate Student Affinity Group Business Meeting

Wednesday, April 22, 8:15 p.m. - 9:15 p.m.

*(Columbus H, Hyatt, East Tower, Gold Level)*

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

Wednesday, April 22, 7:15 p.m. - 8:15 p.m.

*(Columbus KL, Hyatt, East Tower, Gold Level)*

## THURSDAY, APRIL 23

### Symposium on Physical Geography Environmental Reconstruction I

Thursday, April 23, 8:00 a.m. - 9:40 a.m.

*(Grand C/D North, Hyatt, East Tower, Gold Level)*

### Journal of Land Use Sciences Editorial Board Meeting

Thursday, April 23, 8:00 a.m. - 9:40 a.m.

*(Board of Trade, Hyatt, Top Level, West Tower)*

### Symposium on Physical Geography Environmental Reconstruction II

Thursday, April 23, 10:00 a.m. - 11:40 a.m.

*(Grand C/D North, Hyatt, East Tower, Gold Level)*

### Animal Geography Specialty Group Business Meeting

Thursday, April 23, 11:50 a.m. - 1:10 p.m.

*(Randolph, Hyatt, East Tower, Ped Path)*

### Applied Geography Specialty Group Business Meeting

Thursday, April 23, 11:50 a.m. - 1:10 p.m.

*(Picasso, Hyatt, West Tower, Bronze Level)*

### Bible Geography Specialty Group Business Meeting

Thursday, April 23, 11:50 a.m. - 1:10 p.m.

*(San Francisco, Hyatt, West Tower, Gold Level)*

### Cartography Specialty Group Business Meeting

Thursday, April 23, 11:50 a.m. - 1:10 p.m.

*(Stetson D, Hyatt, West Tower, Purple Level)*

### China Specialty Group Business Meeting

Thursday, April 23, 11:50 a.m. - 1:10 p.m.

*(Grand Suite 5, Hyatt, East Tower, Gold Level)*

### Communication Geography Specialty Group Business Meeting

Thursday, April 23, 11:50 a.m. - 1:10 p.m.

*(Stetson G, Hyatt, West Tower, Purple Level)*

### Cultural Geography Specialty Group Business Meeting

Thursday, April 23, 11:50 a.m. - 1:10 p.m.

*(Field, Hyatt, West Tower, Silver Level)*

### Energy and Environment Specialty Group Business Meeting

Thursday, April 23, 11:50 a.m. - 1:10 p.m.

*(Regency A, Hyatt, West Tower, Gold Level)*

### Geographic Perspectives on Women Specialty Group Business Meeting

Thursday, April 23, 11:50 a.m. - 1:10 p.m.

*(Skyway 273, Hyatt, East Tower, Blue Level)*

### Geographies of Food and Agriculture Specialty Group Business Meeting

Thursday, April 23, 11:50 a.m. - 1:10 p.m.

*(Columbus H, Hyatt, East Tower, Gold Level)*

## SPECIAL EVENTS AND MEETINGS SUMMARY

### **Health and Medical Geography Specialty Group Business Meeting**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Acapulco, Hyatt, West Tower, Gold Level)

### **History of Geography Specialty Group Business Meeting**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Columbian, Hyatt, West Tower, Bronze Level)

### **Human Dimensions of Global Change Specialty Group Business Meeting**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Grand A, Hyatt, East Tower, Gold Level)

### **Julie Winkler's Past President's Address: Embracing the Complexity and Uncertainty of Climate Change**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Grand Ballroom CD South and EF, Hyatt, Gold Level, East Tower)

### **Military Geography Specialty Group Business Meeting**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Soldier Field, Hyatt, West Tower, Bronze Level)

### **Polar Geography Specialty Group Business Meeting**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(McCormick, Hyatt, West Tower, Silver Level)

### **Political Geography Specialty Group Business Meeting**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Columbus CD, Hyatt, East Tower, Gold Level)

### **Remote Sensing Specialty Group Business Meeting**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Michigan A, Hyatt, East Tower, Ped Path)

### **Rural Geography Specialty Group Business Meeting**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Zermatt/Gstaad, Swissôtel, Lucerne Level)

### **Sexuality and Space Specialty Group Business Meeting**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Burnham, Hyatt, West Tower, Silver Level)

### **Socialist and Critical Geography Specialty**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Skyway 272, Hyatt, East Tower, Blue Level)

### **Stand-Alone Geographers Affinity Group Business Meeting**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Stetson BC, Hyatt, West Tower, Purple Level)

### **Urban Geography Specialty Group Business Meeting**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Columbus KL, Hyatt, East Tower, Gold Level)

### **Wine Specialty Group Business Meeting**

Thursday, April 23, 11:50 a.m. - 1:10 p.m.  
(Skyway 261, Hyatt, East Tower, Blue Level)

### **AAG GeoHumanities Journal Launch and Honorary Geographer Address**

Thursday, April 23, 1:20 p.m. - 3:00 p.m.  
(Gold Coast, Hyatt, Bronze Level, West Tower)

### **John Wiley and Sons: "Supporting Your Publishing Goals Networking Event"**

Thursday, April 23, 2:00 p.m.  
(Booth #126- Wiley, Hyatt, AAG Exhibit Hall, Riverside Center, Purple Level)

### **Routledge: "Celebrating the launch of GeoHumanities"**

Thursday, April 23, 3:15 p.m.  
(Booth #431-Routledge, Hyatt, AAG Exhibit Hall, Riverside Center, Purple Level)

### **The IGU International Year of Global Understanding (IYGU) Initiative**

Thursday, April 23, 3:20 p.m. - 5:00 p.m.  
(Plaza B, Hyatt, East Tower, Green Level)

### **Geographical Analysis Editorial Board Meeting**

Thursday, April 23, 3:30 p.m. - 5:00 p.m.  
(Skyway 265, Hyatt, Blue Level, East Tower)

### **AAG Physical Geography Poster Session Reception and Happy Hour in the Exhibit Hall**

Thursday, April 23, 4:30 p.m. - 7:30 p.m.  
(Riverside Exhibit Hall, Hyatt, Purple Level, East Tower)

### **"The New Cultural Instrumentalism: Chicago Goes Global" - the 2015 Cultural Geography Specialty Group Marquee Session**

Thursday, April 23, 5:20 p.m. - 7:00 p.m.  
(Grand Suite 2 AB, Hyatt, East Tower, Gold Level)

### **International Journal of Urban and Regional Research (IJURR) 2015 Lecture Reception**

Thursday, April 23, 7:00 p.m. - 8:30 p.m.  
(Crystal B, Hyatt, Green Level, West Tower)

### **2015 Korea-America Geospatial and Environmental Sciences Annual Meeting**

Thursday, April 23, 7:15 p.m. - 8:15 p.m.  
(Columbian, Hyatt, Bronze Level, West Tower)

## SPECIAL EVENTS AND MEETINGS SUMMARY

### **Business Geography Specialty Group Business Meeting**

Thursday, April 23, 7:15 p.m. - 8:15 p.m.  
(Columbus AB, Hyatt, East Tower, Gold Level)

### **Canadian Studies Specialty Group Business Meeting**

Thursday, April 23, 7:15 p.m. - 8:15 p.m.  
(Columbus G, Hyatt, East Tower, Gold Level)

### **Economic Geography Specialty Group Business Meeting**

Thursday, April 23, 7:15 p.m. - 8:15 p.m.  
(Columbus H, Hyatt, East Tower, Gold Level)

### **Environmental Perception and Behavioral Geography Specialty Group Business Meeting**

Thursday, April 23, 7:15 p.m. - 8:15 p.m.  
(Columbus KL, Hyatt, East Tower, Gold Level)

### **Geomorphology Specialty Group Business Meeting**

Thursday, April 23, 7:15 p.m. - 8:15 p.m.  
(Grand Suite 3, Hyatt, East Tower, Gold Level)

### **Latin America Specialty Group Business Meeting**

Thursday, April 23, 7:15 p.m. - 8:15 p.m.  
(Grand Suite 2 AB, Hyatt, East Tower, Gold Level)

### **Psychoanalytic Geographies Reception**

Thursday, April 23, 7:15 p.m. - 8:45 p.m.  
(Skyway 261, Hyatt, Blue Level, East Tower)

### **Texas State Annual Reception**

Thursday, April 23, 8:00 p.m. - 10:00 p.m.  
(Columbus IJ, Hyatt, Gold Level, East Tower)

### **Cultural and Political Ecology Specialty Group Business Meeting**

Thursday, April 23, 8:15 p.m. - 9:15 p.m.  
(Grand Suite 2 AB, Hyatt, East Tower, Gold Level)

### **Geography of Religions and Belief Systems Specialty Group Business Meeting**

Thursday, April 23, 8:15 p.m. - 9:15 p.m.  
(Columbus G, Hyatt, East Tower, Gold Level)

### **Hazards, Risks, and Disasters Specialty Group Business Meeting**

Thursday, April 23, 8:15 p.m. - 9:15 p.m.  
(Columbus AB, Hyatt, East Tower, Gold Level)

### **Indigenous Peoples Specialty Group Business Meeting**

Thursday, April 23, 8:15 p.m. - 9:15 p.m.  
(Columbus H, Hyatt, East Tower, Gold Level)

### **Landscape Specialty Group Business Meeting**

Thursday, April 23, 8:15 p.m. - 9:15 p.m.  
(Grand Suite 5, Hyatt, East Tower, Gold Level)

### **Middle East Specialty Group Business Meeting**

Thursday, April 23, 8:15 p.m. - 9:15 p.m.  
(Columbus KL, Hyatt, East Tower, Gold Level)

## **FRIDAY, APRIL 24**

### **AAG International Encyclopedia of Geography Editors Meeting**

Friday, April 24, 10:00 a.m. - 11:40 a.m.  
(Columbus IJ, Hyatt, Gold Level, East Tower)

### **GIScience and Technology Posters Coffee Break and Snacks in the Exhibit Hall**

Friday, April 24, 11:30 a.m. - 1:30 p.m.  
(Riverside Exhibit Hall, Hyatt, Purple Level, East Tower)

### **US National Committee to the International Cartographic Association**

Friday, April 24, 11:40 a.m. - 1:20 p.m.  
(Skyway 272, Hyatt, Blue Level, East Tower)

### **AAG Regional Division Chairs Luncheon Meeting**

Friday, April 24, 11:50 a.m. - 1:10 p.m.  
(Columbus H, Hyatt, Gold Level, East Tower)

### **Asian Geography Specialty Group Business Meeting**

Friday, April 24, 11:50 a.m. - 1:10 p.m.  
(McCormick, Hyatt, West Tower, Silver Level)

### **Disability Specialty Group Business Meeting**

Friday, April 24, 11:50 a.m. - 1:10 p.m.  
(Columbus EF, Hyatt, East Tower, Gold Level)

### **Geography Education Specialty Group Business Meeting**

Friday, April 24, 11:50 a.m. - 1:10 p.m.  
(Grand Suite 2 AB, Hyatt, East Tower, Gold Level)

### **International Journal of Urban and Regional Research - Author Meets Editors**

Friday, April 24, 11:50 a.m. - 1:10 p.m.  
(Crystal B, Hyatt, Green Level, East Tower)

### **Mountain Geography Specialty Group Business Meeting**

Friday, April 24, 11:50 a.m. - 1:10 p.m.  
(Grand Suite 3, Hyatt, East Tower, Gold Level)

## SPECIAL EVENTS AND MEETINGS SUMMARY

### **Paleoenvironmental Change Specialty Group Business Meeting**

Friday, April 24, 11:50 a.m. - 1:10 p.m.  
(Columbus G, Hyatt, East Tower, Gold Level)

### **Private/Public Affinity Group Business Meeting**

Friday, April 24, 11:50 a.m. - 1:10 p.m.  
(Columbus AB, Hyatt, East Tower, Gold Level)

### **Spatial Analysis and Modeling Specialty Group Business Meeting**

Friday, April 24, 11:50 a.m. - 1:10 p.m.  
(Crystal A, Hyatt, West Tower, Green Level)

### **Study of the American South Specialty Group Business Meeting**

Friday, April 24, 11:50 a.m. - 1:10 p.m.  
(Water Tower, Hyatt, West Tower, Bronze Level)

### **Transportation Geography Specialty Group Business Meeting**

Friday, April 24, 11:50 a.m. - 1:10 p.m.  
(Skyway 273, Hyatt, East Tower, Blue Level)

### **Closing Plenary: Symposium on International Geospatial Health Research – Creating Synergies**

Friday, April 24, 3:20 p.m. - 5:00 p.m.  
(Acapulco, Hyatt, West Tower, Gold Level)

### **Geographers on John Muir - Critically Assessing His Legacy and Relevance 100 Years**

Friday, April 24, 3:20 p.m. - 5:00 p.m.  
(Columbus KL, Hyatt, East Tower, Gold Level)

### **CaGIS Journal Editorial Board Meeting**

Friday, April 24, 6:00 p.m. - 8:00 p.m.  
(Skyway 269, Hyatt, Blue Level, East Tower)

### **Biogeography Specialty Group Business Meeting**

Friday, April 24, 7:15 p.m. - 8:15 p.m.  
(Columbian, Hyatt, West Tower, Bronze Level)

### **Coastal and Marine Specialty Group Business Meeting**

Friday, April 24, 7:15 p.m. - 8:15 p.m.  
(Water Tower, Hyatt, West Tower, Bronze Level)

### **Community College Affinity Group Business Meeting**

Friday, April 24, 7:15 p.m. - 8:15 p.m.  
(Skyway 261, Hyatt, East Tower, Blue Level)

### **Ethnic Geography Specialty Group Business Meeting**

Friday, April 24, 7:15 p.m. - 8:15 p.m.  
(Wrigley, Hyatt, West Tower, Bronze Level)

### **Historical Geography Specialty Group Business Meeting**

Friday, April 24, 7:15 p.m. - 8:15 p.m.  
(Gold Coast, Hyatt, West Tower, Bronze Level)

### **Retired Geographers Affinity Group Business Meeting**

Friday, April 24, 7:15 p.m. - 8:15 p.m.  
(Comiskey, Hyatt, West Tower, Bronze Level)

### **Water Resources Specialty Group Business Meeting**

Friday, April 24, 7:15 p.m. - 8:15 p.m.  
(Acapulco, Hyatt, West Tower, Gold Level)

### **AAG World Geography Bowl**

Friday, April 24, 7:30 p.m. - 11:30 p.m.  
(Columbus Hall, Hyatt, Gold Level, East Tower)

### **Geographical Analysis Reception**

Friday, April 24, 7:30 p.m. - 8:30 p.m.  
(Crystal A, Hyatt, Green Level, West Tower)

### **CaGIS Members and Awards Meeting**

Friday, April 24, 8:00 p.m. - 10:00 p.m.  
(Skyway 260, Hyatt, Blue Level, East Tower)

### **SUNY Buffalo: Gathering for Alumni and Friends**

Friday, April 24, 8:00 p.m. - 10:00 p.m.  
(Toronto, Hyatt, Gold Level, West Tower)

### **Regional Development and Planning Specialty Group Business Meeting**

Friday, April 24, 8:15 p.m. - 9:15 p.m.  
(Columbian, Hyatt, West Tower, Bronze)

### **Retired Geographers Organization**

Friday, April 24, 8:30 p.m.  
(Giordano's in Prudential Plaza)

### **Historical Geography Editorial Board Meeting**

Friday, April 24, 8:30 p.m. - 9:30 p.m.  
(Gold Coast, Hyatt, Bronze Level, West Tower)

## **SATURDAY, APRIL 25**

### **AAG Past Presidents Breakfast**

Saturday, April 25, 8:00 a.m. - 9:30 a.m.  
(Board of Trade, Top Floor, West Tower)

### **AAG Awards Lunch**

Saturday, April 25, 11:40 a.m. - 2:00 p.m.  
(Lucerne 1 and 2, Swissotel, Lucerne Level)

### **AAG Business Meeting**

Saturday, April 25, 2:30 p.m. - 3:40 p.m.  
(Lucerne Ballroom 3, Swissotel, Lucerne Level)

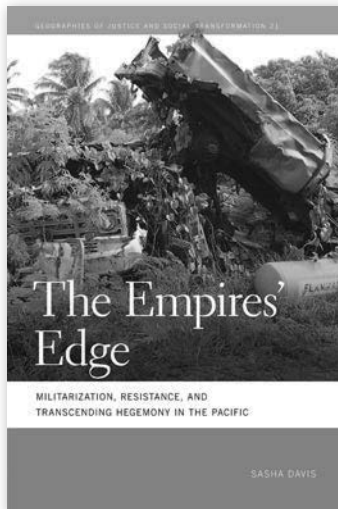




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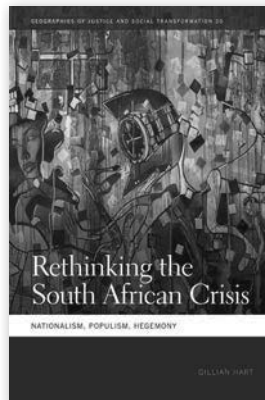
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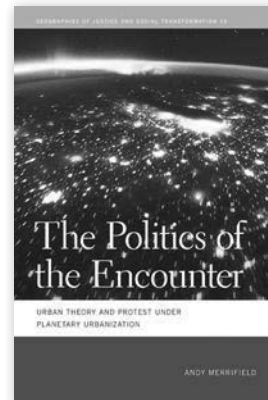


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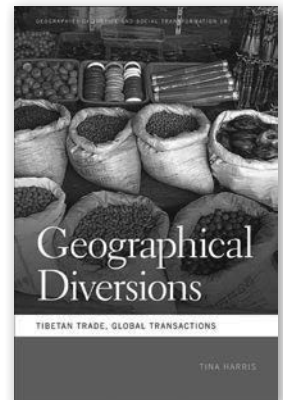
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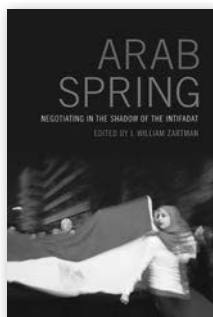


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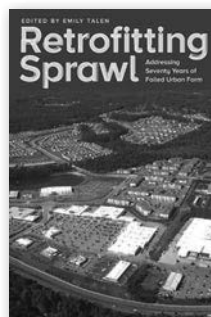


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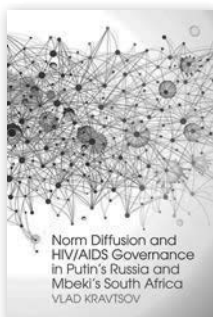
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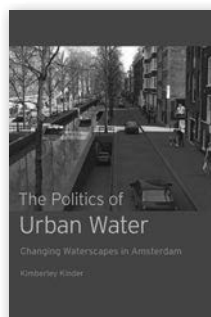
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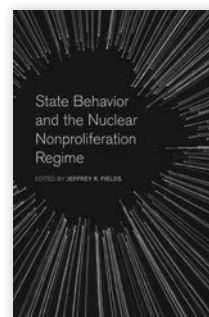
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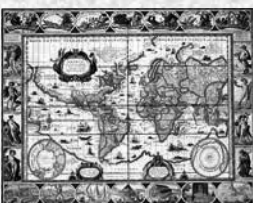
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# NEWCOMERS'

## Welcome to the AAG Annual Meeting!

This guide has been created by representatives of the Graduate Student Affinity Group (GSAG) and AAG staff to introduce you to the meeting and help you make the most of it. If you have 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. For examples of itineraries, please visit [http://www.aag.org/annualmeeting/about\\_the\\_meeting/guide\\_for\\_newcomers](http://www.aag.org/annualmeeting/about_the_meeting/guide_for_newcomers)

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

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

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

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

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

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

## Session Types

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

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

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

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

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

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

## Session Participation Tips

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

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

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

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

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

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

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

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

## Networking Tips

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

Carry business cards to give to new contacts.

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

# GUIDE



**AAG 2015**  
CHICAGO

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 Columbus AB & CD, Hyatt, East Tower, Gold Level, offers career advice, job postings, resources, and networking opportunities for professionals, students, and job seekers. Stop by the Jobs & Careers Information Booth for a schedule of activities and information about careers and professional development activities that will occur throughout the meeting.

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

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

## Special Events

The AAG hosts a large International Reception where you can connect with friends and colleagues and meet new people. This year's event takes place on Wednesday, April 22, starting at 7:00 PM in Grand Ballroom CD & EF, Hyatt. Free drink tickets are included in your registration packet.

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

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

The World Geography Bowl is a round-robin tournament featuring student teams from the regional divisions. It starts at 7:30 pm on Friday, April 24 in Columbus rooms, Hyatt.

## Planning for San Francisco 2016

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

Many specialty groups give awards for outstanding student papers and posters presented during the Annual Meeting. Details vary by specialty group and may be posted on specialty group websites, AAG Knowledge Communities, and in the online *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](http://www.aag.org/annualmeeting).

## Events for Newcomers

### AAG Booth

*Visit the AAG Booth in the Grand Foyer, Hyatt, Gold Level, East Tower, if you have more questions during the conference.*

### Mentoring Sessions

*Drop-in advising for all conference attendees, with an emphasis on answering questions about careers  
(Jobs & Careers Center, Columbus AB, Hyatt, East Tower, Gold Level)*

**Tuesday-Friday, April 21-24  
10:00-11:40 am**

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

*An orientation panel for first-time and newish attendees  
(Jobs & Careers Center, Columbus AB, Hyatt, East Tower, Gold Level) on Tuesday, April 21 8:00-9:40AM*

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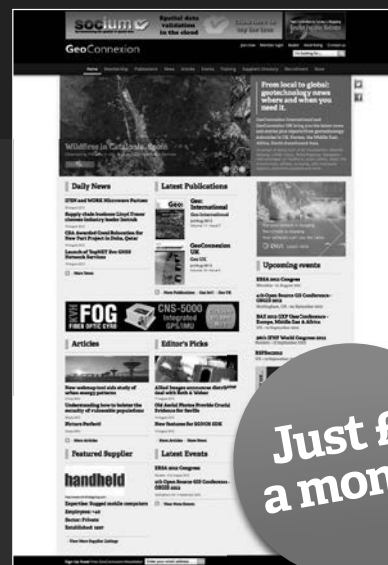
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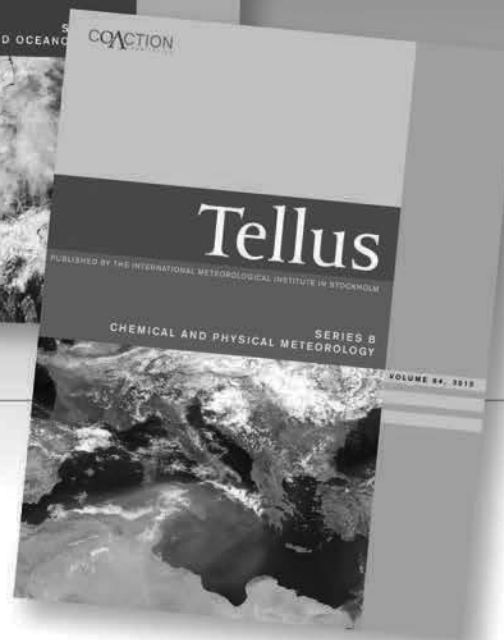
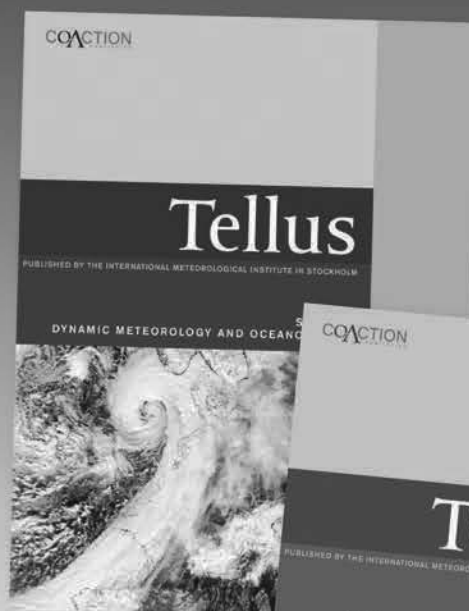
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*Polar Research*, the Open Access journal of the Norwegian Polar Institute, promotes the exchange of scientific knowledge about the Arctic and Antarctic across disciplinary boundaries. The journal's international editorial board oversees the rigorous peer-review of original primary research articles, review papers and brief research notes. The journal is free to publish in. [www.PolarResearch.net](http://www.PolarResearch.net)

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## WORKSHOPS

**NOTE: You must visit the AAG Registration Desk to sign up for a Workshop.**

### **MONDAY, APRIL 20**

#### **WS #0-1 Workshop on Network Analysis**

Monday, April 20, 9:00 a.m. – 5:00 p.m.

Organizers: Pierre-Alexandre Balland and Andrea Morrison (Utrecht University)

Capacity: 30

Cost/person: \$29

**Room: Skyway 265**

Network studies are becoming increasingly popular in geography, both as an object of study and as an analytical tool. Network studies focus on the connections between individuals, firms or cities as the main unit of analysis to understand patterns of complex economic, social or ecological systems. This 6-hour workshop seeks to train PhD students or senior researchers interested in applying network theories and tools to their research in geography (with a particular focus - but not limited to - human geography). Participants will learn to identify the key properties of network structures and analyze the main drivers of their formation.

#### **WS #0-2 Visions of the Future: Precarious Working Conditions in Academia**

Monday, April 20, 1:20 p.m. – 5:00 p.m.

Organizer: Thomas Buerk (Hamburg University)

Capacity: 25

Cost/person: \$0

**Room: Skyway 269**

*Sponsored by: Hamburg University*

Working conditions in the field of academia are changing rapidly, related to the location, organization and the temporality of neoliberal restructuring. The workforce of some universities in e.g. Germany is composed of about 80 % teachers, researchers and lecturers without proper contracts on a part time and/or short time basis. We would like to discuss in this workshop international perspectives on precarious labor and ways of resistance for better working conditions in academia and the education sectors.

### **TUESDAY, APRIL 21**

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

Tuesday, April 21, 12:40 p.m. – 2:20 p.m.

Organizers: Derek France (University of Chester) and Bob Bednarz (Texas A&M University)

Capacity: 30

Cost/person: \$0

**Room: Skyway 265**

*Sponsored by: Journal of Geography in Higher Education & Taylor Francis Routledge*

After discussing the mission of the Journal of Geography in Higher Education (JGHE), the organizers will explain the submission, review, and publication processes of the JGHE. Topics will include the nature of material appropriate for submission, the types and level of evidence necessary to support findings, the recommended length of manuscripts, advice about writing for an international readership, and JGHE's citation index. Prospective authors will be encouraged to interact with panelists through an interactive paper review session and to discuss issues specific to manuscripts they are planning or writing.

#### **WS #1-2 Population and Ecological Data Tools and Services: An Introduction to Working With Terra Populus and DataONE**

Tuesday, April 21, 12:40 p.m. – 3:40 p.m.

Organizers: Tracy Kugler (Minnesota Population Center, University of Minnesota) and Amber Budden (DataONE, University of New Mexico)

Capacity: 30

Cost/person: \$0

**Room: Skyway 269**

*Sponsored by: Minnesota Population Center, University of Minnesota*

This workshop will introduce participants to a suite of openly accessible data, tools and resources provided by Terra Populus and DataONE. TerraPop provides access to a global collection of population and environmental data, drawing on microdata, area-level data, and raster sources. DataONE enables federated search across over 20 data repositories, along with a range of data management tools and resources. Participants will be shown how to retrieve data from the two networks, learn about best practices for working with data and be guided through the research data life cycle and the services available at each of the steps.

#### **WS #1-3 Networking: Promoting Yourself by Making Connections that Count**

Tuesday, April 21, 12:40 p.m. – 2:20 p.m.

Organizers and Presenters: Niem Tu Huynh (AAG) and Angela Rogers (Penn State University)

Capacity: 30

Cost/person: \$0

**Room: Columbus AB, Hyatt, East Tower, Gold Level**

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



## WORKSHOPS

### **WS #1-4 Teaching for Human GeoCapabilities**

Tuesday, April 21, 10:00 a.m. – 11:50 a.m.

Organizer: Michael Solem (AAG)

Instructors: Karl Donert (EUROGEO) and Sirpa Tani (University of Helsinki)

Capacity: 20

Cost/person: \$0

**Room: Skyway 265**

*Sponsored by: AAG*

This workshop will introduce participants to a prototype online teacher professional development platform under development for the GeoCapabilities project, funded by the U.S. National Science Foundation and EU Comenius Programme. The GeoCapabilities platform is designed to engage teachers in thinking about curriculum making for human welfare development. It emphasizes the value of geographical knowledge for life, work, autonomy, and citizenship in a highly complex and interdependent world – and the essential role of schools in providing access to that knowledge. Participants will learn strategies for using the GeoCapabilities platform to enhance teacher preparation programs and support international collaborative projects involving pre-service and in-service teachers. One of the platform's modules will be demonstrated, and participants will explore ideas for using the platform to support collaborations and dialogue among teachers and teacher educators in different countries.

### **WS #2-3 Preparing Geography Students for the 21st Century Workforce**

Tuesday, April 21, 8:00 a.m. – 9:40 a.m.

Organizers and Presenters: Niem Tu Huynh (AAG), Michael Solem (AAG), and Joseph Kerski (Esri)

Capacity: 30

Cost/person: \$0

**Room: Columbus CD, Hyatt, East Tower, Gold Level**

Despite rapidly evolving and expanding employment opportunities, many students are unfamiliar with the numerous career paths for which a degree in geography can prepare them. Using the recent AAG publication *Practicing Geography: Careers for Enhancing Society and the Environment* as a resource, the workshop facilitators will introduce participants to a series of classroom activities that have been designed to raise students' awareness of employment prospects for geographers and to help them recognize and articulate the value of their geography training to potential employers. The participants will then break into small groups to brainstorm ideas for adapting these exercises to the specific needs of students at their grade level and institution type.

### **WEDNESDAY, APRIL 22**

#### **WS #2-1 Land Use Change Science**

Wednesday, April 22, 9:00 a.m. – 4:00 p.m.

Organizers: Amin Tayyebi (University of Wisconsin-Madison, Wisconsin Energy Institute)

Capacity: 20

Cost/person: \$29

**Room: Skyway 265**

#### **Part I: Land Use Change Science: Lessons Learned from Applications of Using the Land Transformation Model (9:00 a.m. to 12:00 p.m.)**

Over a decade of model development and experiment has gone into the model, and the Land Transformation Model (LTM) has been now applied to simulate land use change (LUC) patterns in a variety of places around the world, such as all lower 48 states in the USA, central Europe, East Africa and Asia. The objective of this workshop is to review the breadth and depth of LUC issues that are being addressed by discussing how an existing model, Purdue's LTM, has been used to better understand these very important environmental issues.

#### **Part II: A Spatial Decision Support System on the Web for Strategic Agricultural Land Use Policy Development (1:00 p.m. to 4:00 p.m.)**

Agriculture lands have experienced rapid changes during last decade. In the absence of proper land use policies, this incremental changes in agriculture areas can increase economic cost. The objective of this workshop is to present a GIS based spatial decision support system (SDSS) on web using spatial and temporal data, which benefit policy makers for evaluating the consequence of LUCs on various ecosystem services in agriculture landscape. We will test the developed SDSS through a case study in agriculture-dominated landscape with a variety of stakeholders LUC scenarios from USDA for Dane County of Wisconsin in United States.

#### **WS #2-5 Incorporating ArcGIS Pro Into Your Curriculum**

Wednesday, April 22, 8:00 a.m. – 9:40 a.m.

Organizer: Angela Lee (Esri)

Instructors: Geri Miller and Brendan O'Neill (Esri)

Capacity: 30

Cost/person: \$0

**Room: Skyway 269**

*Sponsored by: Esri*

ArcGIS Pro is a new application released as part of ArcGIS for Desktop. It is a 64-bit, multi-threaded application with a modern user experience which combines data visualization, editing, and analysis functionality using local content, content from ArcGIS Online, or content from Portal for ArcGIS for both 2D and 3D data. This workshop will cover how this new application will fit into existing curriculum and how it can be incorporated in introductory or advanced GIS courses, emphasizing its integration with Desktop, Online/Portal and Server technologies.

## WORKSHOPS

### **WS #2-6 Spatial Analysis with ArcGIS**

Wednesday, April 22, 10:00 a.m. – 11:40 a.m.

Organizer: Angela Lee (Esri)

Instructor: Linda Beale (Esri)

Capacity: 30

Cost/person: \$0

**Room: Skyway 269**

*Sponsored by: Esri*

Analyzing data spatially can reveal new information. Using ArcGIS, we will explore many of the different approaches available for spatial analysis, looking at the types of solutions the approaches can provide, understanding when techniques may be appropriate and what assumptions should be met. The workshop will include a number of statistical and geostatistical approaches for spatial analysis giving an overview of statistical descriptors, proximity analysis, distributions and comparisons and, surface and interpolation analysis. Some tips and tricks will be also demonstrated to give a better understanding of what is available and how you can advance your analysis endeavors.

### **WS #2-7 Implementing ArcGIS Online for Organizations**

Wednesday, April 22, 1:20 p.m. – 3:00 p.m.

Organizer: Angela Lee (Esri)

Instructors: Brendan O'Neill and Andrew Stauffer (Esri)

Capacity: 30

Cost/person: \$0

**Room: Skyway 269**

*Sponsored by: Esri*

ArcGIS Online is a cloud-based, collaborative system for maps, applications, data, and other geographic information. Topics will include the value of ArcGIS Online for teaching and research, types of data that ArcGIS Online can use, publishing capabilities, configuration of ArcGIS Online for your institution, administration of content and users, and security. The session will include examples from universities already using ArcGIS Online.

### **WS #2-8 Sharing Authoritative Open Data**

Wednesday, April 22, 3:20 p.m. – 5:00 p.m.

Organizer: Angela Lee (Esri)

Instructors: Courtney Claessens and Andrew Stauffer (Esri)

Capacity: 30

Cost/person: \$0

**Room: Skyway 269**

*Sponsored by: Esri*

Explore and understand what it takes to share your authoritative Open Data. Over a million users of ArcGIS create countless datasets for various analysis or mapping needs, and now everyone can share that data with the world in multiple formats as Open Data. Get an in-depth look at how to create authoritative datasets, using just your browser and information you already have access to. You will also get a look at how you can share your Open Data catalogs with other Open Data platforms such as CKAN.

### **THURSDAY, APRIL 23**

### **WS #3-1 LiDAR Processing and Terrain Analysis in Global Mapper**

Thursday, April 23, 9:30 a.m. – 11:30 a.m.

Organizer: David McKittrick (Blue Marble Geographics)

Capacity: 30

Cost/person: \$0

**Room: Skyway 265**

*Sponsored by: Blue Marble Geographics*

Recent developments in GIS technology are evidence of the importance of working with 3D data such as LiDAR. No longer satisfied with a simple top-down perspective, GIS practitioners are now able to analyze data from every angle. In this workshop, we will explore the LiDAR processing capability of Global Mapper from Blue Marble Geographics. We will demonstrate how to import, filter, and edit point cloud data; we will extract 3D vector features such as buildings; we will create 3D terrain surfaces, generate contours, delineate watersheds and view sheds; and we will demonstrate terrain modification and volume calculation techniques.

### **WS #3-2 Becoming a Certified GISP and Why It Matters for Your Geospatial Career**

Thursday, April 23, 3:20 p.m. – 5:00 p.m.

Organizers: Bill Hodge (GISCI) and Mark Revell (AAG)

Instructor: Bill Hodge (GISCI)

Capacity: 30

Cost/person: \$0

**Room: Columbus AB, Hyatt, East Tower, Gold Level**

*Sponsored by: GISCI and AAG*

The GISCI Certification Program for GIS Professionals, launched in 2004, is a recognition program for established GIS professionals and students seeking to become Certified as professionals at some point in her/his career. This workshop will provide 1) an overview of the Program and advantages of certification, 2) information about the addition of an examination component to the current portfolio-based system in 2015, and 3) hands-on guidance and Q&A related to strategies for preparing an application to become certified as a GISP. Attendees will be encouraged to ask questions about documentation and requirements, and talk with current GISPs. GISPs who may have questions about renewing their certification are also encouraged to attend (<http://www.gisci.org>).

## WORKSHOPS

### **WS #3-4 You're Hired: How to Showcase Your Skills with Interactive Maps and Apps**

Thursday, April 23, 5:20 p.m. – 7:00 p.m.

Organizers and Presenters: Rachel Kornak (GioPivot Magazine)

Capacity: 30

Cost/person: \$0

**Room: Columbus AB, Hyatt, East Tower, Gold Level**

Want to stand out from the crowd when applying for jobs and internships? The difference between hearing "you're hired" and "better luck next time" hinges on your ability to communicate your value. Learn how to create impressive personal marketing materials (cover letters, resumes and portfolios) using free, online tools like ArcGIS Online (interactive maps), Prezi (zoomable presentations), Jing (screen videos and images) überflip (flippable PDFs), and Weebly (websites). We'll also cover the types of skills and experiences employers are looking for, how to demonstrate you have these desired traits, and how to avoid common pitfalls. Please bring your laptop!

### **WS #3-5 Teaching Web GIS – Lab Design**

Thursday, April 23, 8:00 a.m. – 9:40 a.m.

Organizer: Angela Lee (Esri)

Instructor: Pinde Fu (Esri)

Capacity: 30

Cost/person: \$0

**Room: Skyway 269**

*Sponsored by: Esri*

Want to add Web GIS to your curriculum? Need to design labs for your Web GIS course? Challenged by the rapidly advancing and expanding technologies? This workshop provides an overview of a series of lab exercises that can be used for classroom lab work or on-the-job-training for GIS professionals. The exercises take a project-based approach to learning and teach Web GIS technologies as a holistic platform. They involve both server side and browser/client side technologies. Participants will learn to build web apps with minimal programming using ArcGIS Online and the new WebApp Builder.

### **WS #3-6 Compelling Cartography with ArcGIS**

Thursday, April 23, 10:00 a.m. – 11:40 a.m.

Organizer: Angela Lee (Esri)

Instructor: Kenneth Field (Esri)

Capacity: 30

Cost/person: \$0

**Room: Skyway 269**

*Sponsored by: Esri*

This workshop showcases several techniques that take your map-making beyond the defaults. We'll illustrate how you can build and style custom basemaps for use with your online maps. We'll also explore a range of thematic map types that bring an added dimension to your work including flow maps, pictorial symbols and cartograms, bivariate choropleths, coxcombs, hex-binned maps, proportional text and value-by-alpha and 3D space-time cubes. Learn how to take advantage of the powerful

new cartographic features in ArcGIS Pro and how you can begin to think creatively to create beautiful and compelling maps in 2D and 3D in ArcGIS Online.

### **WS #3-7 Taking Terrain Mapping to New Heights with ArcGIS**

Thursday, April 23, 1:20 p.m. – 3:00 p.m.

Organizer: Angela Lee (Esri)

Instructor: Kenneth Field (Esri)

Capacity: 30

Cost/person: \$0

**Room: Skyway 269**

*Sponsored by: Esri*

This workshop introduces new tools for creating spectacular terrain from Digital Elevation Models. We'll explore how to create beautiful hill-shades, hachures, shadow lines and textures. We'll also look at alternative representations such as plan oblique, illuminated contours, shadow lines, 3D effects and more. You'll learn how to use these tools in ArcGIS Pro and how to create 2D and 3D maps that can be shared using ArcGIS Online. These techniques offer map-makers access to advanced techniques through new out-of-the-box models and scripts. See how you can easily go way beyond the defaults to take your terrain to much higher levels.

### **WS #3-8 An Introduction to Spatial Analysis Using ArcGIS Online**

Thursday, April 23, 3:20 p.m. – 5:00 p.m.

Organizer: Angela Lee (Esri)

Instructor: Linda Beale (Esri)

Capacity: 30

Cost/person: \$0

**Room: Skyway 269**

*Sponsored by: Esri*

This workshop introduces the new spatial analysis capabilities included with ArcGIS Online. These ready-to-use spatial analysis tools are hosted in the cloud by Esri, and are designed to provide an intuitive, user-friendly experience. We will highlight the overall features and benefits of ArcGIS Online Analysis, and demonstrate different analysis workflows using ArcGIS Online default map viewer.

## WORKSHOPS

### **FRIDAY, APRIL 24**

#### **WS #4-1 Let's Talk About Your Geostack**

Friday, April 24, 8:00 a.m. – 11:50 a.m.

Organizer: Eric Theise (Independent Consultant and Educator)

Capacity: 20

Cost/person: \$49

**Room: Skyway 265**

This workshop is designed for those wishing to set up an open source geospatial software stack on their laptops. We'll review all components and their interplay, then import Chicago OpenStreetMap data into a PostgreSQL database. We'll wire TileMill up to use that data, then create & serve simply-styled tiles. We'll create a simple webserver to return POI data from our database, and use Leaflet to layer it over our tiles. We'll filter over GeoJSON properties to control display characteristics, and sketch out additional exercises. Plan to devote several hours in advance of the meeting to downloading software and data.

#### **WS #4-2 Researching Learning Progressions for Maps, Geospatial Technology and Spatial Thinking**

Friday, April 24, 3:00 p.m. – 5:00 p.m.

Organizer(s): Michael Solem and Sarah Bednarz (AAG)

Instructor(s): Niem Tu Huynh and Meredith Marsh (AAG)

Capacity: 20

Cost/person: \$0

**Room: Skyway 265**

*Sponsored by: AAG*

This workshop will introduce participants to learning progressions and their potential applications in geography classrooms. Learning progressions describe how children become more sophisticated in their understanding of disciplinary concepts over successive grade bands. Participants in this workshop will study examples of learning progressions and some of the methods applied by researchers to gather evidence of student comprehension of fundamental and complex concepts related to learning with maps, geospatial technology and spatial thinking. Participants will also receive a complimentary research handbook and learn about opportunities to join a research coordination network that was recently formed by the GeoProgressions project funded by the National Science Foundation.

#### **WS #4-3 CyberGIS Education Workshop**

Friday, April 24, 1:00 p.m. – 5:00 p.m.

Organizer: Johnathan Rush (University of Illinois)

Instructor(s): Xingong Li, Terry Slocum, and Jim Coll

(University of Kansas), Yi Qiang and Nina Lam (Louisiana State University), Jim Thatcher and Britta Ricker (University of Washington – Tacoma), and Eric Shook (Kent State University)

Capacity: 30

Cost/person: \$0

**Room: Skyway 269**

*Sponsored by: University of Illinois*

The CyberGIS Fellows program invites attendees for a training workshop on CyberGIS: geographic information science and systems (GIS) based on advanced infrastructure of computing, information, and communication technologies (aka cyberinfrastructure). The CyberGIS Fellows have created educational materials that will be made freely available for instructors to use in their own courses. In this workshop, attendees assume the roles of students and learn topics including working with social media data, performing high performance geospatial modeling, and analyzing satellite imagery with Google Earth Engine. Feedback on the workshop content and discussion around implementing these materials in the classroom is welcome. Participants should bring their own laptop computers.

#### **WS #4-4 Walking the Tightrope: Negotiating Success for Women in Geography**

Friday, April 24, 9:00 a.m. – 12:00 p.m.

Organizers: Elizabeth Wentz (Arizona State University) and Patricia Solis (Texas Tech University)

Capacity: 30

Cost/person: \$7

**Room: Skyway 269**

This is the second annual "Walking the Tightrope" workshop addressing career advancement for women in Geography. The basis of this workshop is to facilitate discussion among men and women to raise awareness and skills that put women's careers at a disadvantage. While some point to possible lack of negotiation readiness as one contributing factor to lower salaries and promotion opportunities, others recognize that women may face negative consequences for "leaning in." We aim to explore the balance between promoting a career in favorable or less than ideal institutional contexts. This workshop is designed to promote the professional development of women geographers and engage those who are interested in women's professional development in geography. The workshop will include discussions, advice, and interactive activities to explore practical themes of importance for employment, tenure, promotion, and career advancement. The theme this year is based on negotiating for success.

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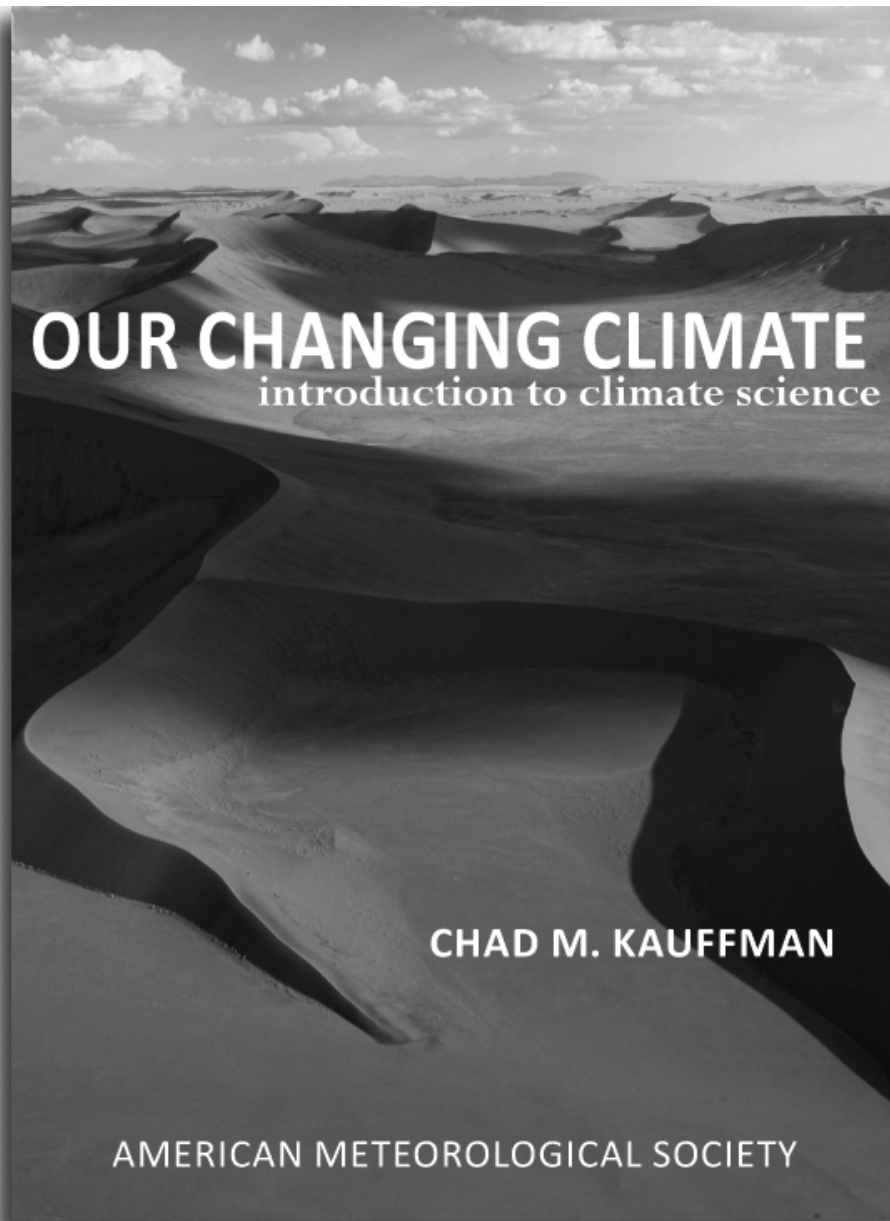
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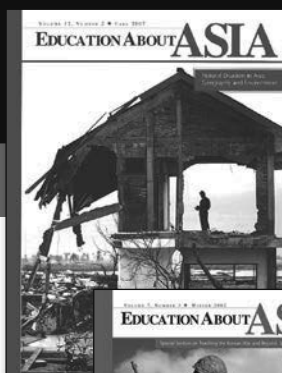


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## FIELD TRIPS

*Field trips will depart from the Hyatt, Green Level, West Tower, outside on Stetson Avenue.*

### **MONDAY, APRIL 20**

#### **#0-1 Ethnic Change Along Chicago's Milwaukee Avenue**

Monday, April 20, 8:00 a.m. - 2:00 p.m.

Organizer: John Kostelnick (Illinois State University)

Trip Capacity: 14

Cost/person: \$26 (includes admission to museum and transportation – lunch will be on your own)

This field trip will explore ethnic change in the Logan Square and Avondale neighborhoods in Chicago along a two-mile stretch of Milwaukee Avenue. Over the past few decades, 100-year old Polish neighborhoods along the Avenue have been gradually transformed by in-migrants from Latin American countries and out-migration of Polish neighborhood residents to the surrounding suburbs. Today, Milwaukee Avenue is dotted with a mix of both Polish and Latino businesses and cultural institutions. The purpose of this field trip is to trace ethnic change along the Avenue over the past 100 years and to understand the dynamics of life in these diverse neighborhoods today. In addition to ethnic change, the field trip will also touch on topics related to suburbanization and gentrification as they relate to Milwaukee Avenue. The field trip will conclude with lunch at an award-winning Polish restaurant in one of the neighborhoods.

### **TUESDAY, APRIL 21**

#### **#1-1 Behind the Scenes at the Art Institute of Chicago**

Tuesday, April 21, 9:30 a.m. - 12:30 p.m.

Organizer: Lucy Stanfield (US Environmental Protection Agency)

Trip Capacity: 20

Cost/person: \$35 (admission to the Art Institute)

Recently voted #1 museum in the world by Trip Advisor, the Art Institute of Chicago anchors the city's world class museum community with its Modern and American Art and French Impressionist collections. Join us for an exciting behind-the-scenes tour of the Conservation Department with Executive Director of Conservation Frank Zuccari and Assistant Research Conservator Kim Muir. They will highlight the examination and imaging tools used by conservators to study artist's materials and techniques and current conservation treatments being carried out in the paintings conservation studio. Discover how science and art intersect as you also see the state-of-the-art conservation lab. Immediately following will be a guided tour of the Modern Wing, built in 2009, filled with the museum's modern and contemporary collections. Whether you're a fan of O'Keefe, Toulouse-Lautrec, Matisse, Picasso, or Kandinsky, this tour will draw you into the wonderful world of art and the staff who study and preserve it just steps from the AAG meeting this year.

**\*Tour participants will meet at the Hyatt lobby and walk to the Art Institute Monroe Street Dock Entrance to start the tour promptly at 10:00am. Participants are encouraged to not bring backpacks or large items, but small personal bags are fine. Following the tours, participants can seek lunch on their own at the Museum Café or Terzo Piano or walk back to the Hyatt. Tour participants with special needs (wheelchair use, sign language), please contact the AAG.\***

#### **#1-2 Chicago's Geographic Origins Along the River**

Tuesday, April 21, 2:00 p.m. - 5:00 p.m.

Organizer: Dennis McClendon (Chicago CartoGraphics)

Trip Capacity: 27

Cost/person: \$19

New office buildings and hotels along the Main Stem of the Chicago River have all but obscured the modest stream's importance to the early city and the transportation patterns of North America. This walking tour will look at the artifacts that remain of port facilities, railroad terminals, and industrial and warehouse buildings. We'll also study the mix of drawbridges, L trains, and skyscrapers that give modern Chicago its character, and see the new tourist infrastructure that's again making the river an economic asset.

#### **#1-3 Chicago's "Edge Cities:" An Evolving Urban Fringe**

Tuesday, April 21, 8:00 a.m. - 4:00 p.m.

Organizer: Richard Greene (Northern Illinois University)

Trip Capacity: 23

Cost/person: \$43 (includes transportation. *NOTE for attendees: please bring money to buy lunch*)

"Edge City," a term coined by Joel Garreau, signifies the profound changes taking place on the edges of large urban areas. Edge cities are suburban employment centers and the result of the population and economic redistribution trends that have characterized American metropolitan areas since the 1950s. The Chicago metropolitan region has been especially affected by these redistribution trends. In the first and second editions of this field trip (AAG annual meetings 1995 and 2006), I stated that the Northeastern Illinois Planning Commission (NIPC contemporary CMAP) had reported that the region's population between 1970 and 1990 grew by a modest 4.1 percent while the amount of land area consumed had increased by 47 percent. The city of Chicago at the core of the region experienced a net loss of population during that 20 year period, while many of the outlying suburban areas underwent tremendous growth and development. Today the sprawl trends have continued, but Downtown Chicago has since rebounded and the employment and residential activity it commands has transformed the entire City of Chicago.

Edge cities visited on this trip include:

- (1) Schaumburg area (including Hoffman Estates and the Woodfield Mall district near the Northwest Tollway)
- (2) O'Hare Airport area
- (3) Illinois Research & Development Corridor (including the area around Oak Brook, Lisle, Naperville, Aurora, and the East-West Tollway).

For comparison, the trip also visits the long-established urban centers of Aurora and Elgin (including the smaller centers of Batavia, Geneva, and St. Charles) situated along the Fox River. These employment corridors offer a unique opportunity to examine many urban fringe themes, including industrial location, ethno-burbs, retail geography, farmland conversion, and ghost subdivisions born by the 2008 financial crisis. The trip is



## FIELD TRIPS

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divided into three segments starting with the East-West Tollway, continuing up the Fox Valley, and ending with the Northwest Tollway. An additional benefit of the trip is that it begins and ends in the Loop (Chicago CBD), so participants will also be exposed to the Downtown landscapes of the city on the way out of and on the way into the city. Garreau, J. 1991, *Edge City: Life on the New Frontier* (New York: Doubleday).

### **#1-4 Planting the City: Urban Agriculture, Aquaponics, and Community Gardens on Chicago's South Side**

Tuesday, April 21, 9:00 a.m. - 4:00 p.m.

Organizer: Daniel Block (Chicago State University)

Trip Capacity: 14

Cost/person: \$46 (includes transportation, lunch, and admission)

Chicago has seen a flowering of urban agriculture and community gardens in the past fifteen years, ranging from small community gardens associated with particular community groups to indoor aquaponics sites, to larger organizational urban agriculture sites. This tour will visit The Plant, an indoor sustainable food incubator in an old Stockyards area warehouse, world renowned food justice organization Growing Power's Chicago Iron Street farm, a community garden at Centers for New Horizons, a Bronzeville social service organization, and the the Chicago State University aquaponics center. Lunch will be served at Growing Power and is included in the price.

## **WEDNESDAY, APRIL 22**

### **#2-1 Hyde Park and the University of Chicago**

Wednesday, April 22, 12:00 p.m. - 3:00 p.m.

Organizer: Joshua Labove (Simon Fraser University)

Trip Capacity: 14

Cost/person: \$40 (includes bus transportation)

Once a center of influence in geography, still a community of intellectual and cultural symbolism and significance, Hyde Park is more than University-types and US Presidents. With the University of Chicago as its anchor, Hyde Park has grown to become a cradle of influential architecture (Wright, Calatrava, Saarinen, Cobb, and van der Rohe among others), balancing an increasingly international university with the needs of a residential community of over 25,000. On this trip, we'll explore this neighborhood on the mid-South Side and learn more about the history of the people, places, and institutions that make this area 7 miles South of the Loop so unique within cities and within higher education.

### **#2-2 Chicago Architecture Foundation Walking Tour: Historic Downtown (North Loop) – Treasures of Commerce and Culture**

Wednesday, April 22, 10:00 a.m. - 12:30 p.m.

Organizer: Jason Nu (University of Wisconsin-Madison)

Trip Capacity: 40

Cost/person: \$25 (includes admission fees)

This walking tour, conducted by docents at the Chicago Architecture Foundation, explores iconic architectural landmarks of Michigan Avenue and State Street from the late 19th and early 20th centuries. After the World's Columbian Exposition of 1893, Chicago was determined to become a great cultural as well as commercial metropolis, and this tour is a testament to that era's ambitions. Visit famous structures including the Art Institute of Chicago, Daniel Burnham's Reliance Building, and Louis Sullivan's Carson Pirie Scott department store. Along the way, learn about the historical forces that paved the way for Chicago to develop some of the world's most structurally and aesthetically innovative architecture during the Gilded Age.

### **#2-3 Geography in the Field**

Wednesday, April 22, 8:00 a.m. - 12:30 p.m.

Organizer: Mark Bouman (The Field Museum)

Trip Capacity: 27

Cost/person: \$10 (Note to attendees: Please bring around \$5 cash for public transportation)

See The Field Museum inside and out, and geography at work in museum science, exhibits, and conservation action. Walk the Museum Campus to discuss planning issues past and present. Then go behind the scenes to collections (especially botany, birds, and urban material culture) that are especially important for ecological restoration, climate change adaptation, and placemaking efforts in the Chicago region; GIS and remote sensing applications for research, collections, and conservation; and the Museum library's rare books collection, which includes several classics of natural history and exploration. Visit the "Restoring Earth" exhibit and discuss the Museum's role in conservation action.

### **#2-4 Gentrification and Neighborhood Change in Pilsen**

Wednesday, April 22, 2:00 p.m. - 5:00 p.m.

Organizer: Euan Hague (DePaul University)

Trip Capacity: 27

Cost/person: \$5 (Note to attendees: Please bring around \$5 cash for public transportation)

The Pilsen neighborhood, two miles southwest of downtown Chicago, has been the gentrification frontier in Chicago for much of the past two decades. A predominantly Mexican-American neighborhood, rapid development, condo construction and the growth of a non-Hispanic population have led to contests over the neighborhood, its heritage, architecture and future development. This half-day walking tour will examine key sites in the neighborhood, also passing its vibrant political murals and noting the neighborhoods historic Bohemian roots. The travel will be by El and approximately 1-2 miles walking.

## FIELD TRIPS

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### #2-6 Make a Labyrinth for Earth Day

Wednesday, April 22, 2:00 p.m. - 5:00 p.m.

Organizers: Lance Howard (Clemson University) and Matthew Lavoie (Chicago Labyrinths)

Trip Capacity: 35

Cost/person: \$7 (*includes transportation*) to “*Note to attendees: Please bring around \$5 cash for public transportation*)

*Sponsored by: Cultural Geography Specialty Group*

Celebrate Earth Day by making a labyrinth in the sand at Montrose Beach with Matthew Lavoie of Chicago Labyrinths <http://chicagolabyrinths.weebly.com>. Labyrinths (not mazes) have become popular contexts for personal therapy and discovery. Labyrinths are also recognized in geomancy as being nexuses between humans and the Earth. By impressing a labyrinth pattern on the sand and walking the path in and out we may express our gratitude and send our blessings to the Earth on this day set aside to honor “her.” Rain or shine. Dress comfortably in layers with sturdy footwear. Restrooms on site. Bottled water provided.

### #2-7 Geographies of Beer, Part II: Chicago Beer Geography

Wednesday, April 22, 2:30 p.m. - 6:30 p.m.

Organizers: Colleen Hiner (Texas State University), Jessica Breen (University of Kentucky) and Toby Applegate (University of Massachusetts - Amherst)

Trip Capacity: 53

Cost/person: \$59 (*includes transportation and tastings at two breweries*)

*Sponsored by: Wine Specialty Group*

On the second annual AAG beer tour, we will visit two distinct and well-respected breweries in Chicago via a private charter bus and led by a knowledgeable tour guide from Chicago Brews Cruise. We will first visit Lagunitas Brewery in the Douglas Park neighborhood. Lagunitas is the largest brewery in the state of Illinois. Lagunitas specifically choose Chicago for their main production brewery due to its proximity to Lake Michigan, one of the best water sources for brewing beer and one of most abundant fresh water resources in the world. At Lagunitas, we will do a tasting and a get tour of this impressive facility. We will then head to Vice District Brewing in the South Loop, one of the fastest growing neighborhoods in the country. Vice District Brewing is one of the “little guys” and will provide a nice contrast to the production scale seen at Lagunitas. At Vice District we will do a tasting and there will be at least one food truck available with food for purchase.

After the tours/tastings, the bus will return to the Hyatt. If you prefer, you can continue your evening by visiting one of the other numerous restaurants or venues available in the South Loop area and return to the Hyatt independently or in self-formed groups. Vice District Brewing is a 10-minute cab ride or 20-minute bus ride from the Hyatt.

**Note:** All transportation (except if you decide to return on your own), tasting fees, and gratuities are included in the tour price,

but you may want to bring some cash to grab a bite to eat at the food truck at Vice District Brewing or elsewhere in the South Loop. As for additional purchases, there will be package beer and other brewery souvenirs available for purchase at each locale, if desired. Also, closed-toed shoes are required for this tour, as we will be touring an active production facility.

## THURSDAY, APRIL 23

### #3-2 Legacy of Burnham's Plan of Chicago

Thursday, April 23, 2:00 p.m. - 5:00 p.m.

Organizer: Dennis McClendon (Chicago CartoGraphics)

Trip Capacity: 23

Cost/person: \$32 (*includes transportation*)

Daniel Burnham and Edward Bennett's 1909 vision for the city is still revered but the plan's actual results are often misunderstood or forgotten. This bus tour of the central city will look at the Plan's physical legacies: Navy Pier, North Michigan Avenue, Northerly Island, a straightened river, Ogden Avenue, Congress Parkway, Union Station, Wacker Drive. We'll look at projects that greatly benefited the city, at proposals that later generations reconsidered, and at heroic accomplishments that in the end meant little.

### #3-3 Oak Park: Exploring an Integrated and Diverse Suburb

Thursday, April 23, 9:30 a.m. - 1:30 p.m.

Organizers: William Peterman and Rob Breymaier (Oak Park Regional Housing Center)

Trip Capacity: 27

Cost/person: \$29 (*includes transportation*)

*Sponsored by: Oak Park Regional Housing Center*

For over 40 years, the Chicago suburb of Oak Park has intentionally promoted racial residential integration. This effort arises from community support for integration, Village policies that promote it, and the ongoing work of the Oak Park Regional Housing Center. This field trip will visit the Housing Center, Village Hall, and other relevant sites as the hosts explain how the community continues to promote integrate and avoid the segregating trends that dominate the Chicago region. Opportunities for geographical research will additionally be proposed.

## FIELD TRIPS

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### #3-4 Sacred Places in Chicago

Thursday, April 23, 9:00 a.m. - 2:30 p.m.

Organizers and Leaders: Richard Dodge (Geography of Religions and Belief Systems), Ed Davis, Justin Tse, and David Butler

Trip Capacity: 26

Cost/person: \$57 (includes transportation)

Visit by motor coach to four sacred places/religious sites in the Chicago area - drive by Seventeenth Church of Christ Science, brief stop at the Chicago Temple (Methodist), tour Frank Lloyd Wright Unity Temple in Oak Park, and visit the Baha'i House of Worship in Wilmette. Informative for both the religious scholar and novice.

**NOTES for attendees:** *Please bring a lunch or money to buy lunch downtown. We will be walking or strolling short distances indoors and outdoors. Because of typical Chicago weather, rain gear may become necessary.*

### #3-5 U.S. Cellular Field Tour

Thursday, April 23, 9:30 a.m. - 12:15 p.m.

Organizer: Steven Ericson (University of Alabama)

Trip Capacity: 40

Cost/person: \$10 (*Note to attendees: Please bring around \$5 cash for public transportation*)

*Sponsored by: Recreation, Tourism & Sport Specialty Group*

U.S. Cellular Field opened in 1991 to mixed reviews from baseball fans. As the last MLB stadium built before the retro craze, the stadium has undergone a major renovations with the most recent round being completed in 2012. Field trip will visit the press box, dugout, luxury suite, and other behind-the-scene spots of the stadium. Additionally, we will see the plaque marking home plate from "old" Comiskey Park and the stadium's foul lines painted on an existing parking lot.

## **FRIDAY, APRIL 24**

### #4-1 Chicago Architecture Foundation Walking Tour: City of Big Data – Chicago Intersections

Friday, April 24, 1:00 p.m. - 3:00 p.m.

Organizer: Jason Nu (University of Wisconsin-Madison)

Trip Capacity: 25

Cost/person: \$25 (includes admission fees)

This walking tour of downtown Chicago, led by docents at the Chicago Architecture Foundation, investigates how data is transforming how we plan, design and build cities. Chicago is alive with data. From trashcans that alert sanitation workers when they need to be emptied, to sensors that monitor building energy consumption, city operations rely on a steady flow of information. During this tour, you will view site-specific data visualizations at several intersections in the Loop, and learn about how this information affects how planners and ordinary people interact with the city and its infrastructure on a daily basis.

### #4-2 Walking/Public Transit Tour of the Retail Gentrification Occurring on the Near North Side of Chicago

Friday, April 24, 9:00 a.m. - 12:30 p.m.

Organizer: Lawrence Joseph (West Marine)

Trip Capacity: 27

Cost/person: \$5 (*Note to attendees: Please bring cash for subway fare card and lunch*)

*Sponsored by: Business Geography Specialty Group*

Dr. Lawrence Joseph will guide a walking tour and discussion of the retail gentrification in Chicago's Near North Side. It will involve a subway ride on the Red Line ('L') from the Lake Station to the North/Clybourn Station. Several lifestyle retailers have located to the Clybourn Corridor of the Lincoln Park neighborhood in recent years. As retail space became scarce for new tenants, there has been ongoing spillover of development into the adjacent Cabrini-Green neighborhood, which is transitioning from a blighted and notorious urban setting. There will also be a stop for lunch at the Lincoln Park Whole Foods.

### #4-3 Inner Suburbs, Inner City: A Mosaic of Stability and Transformation in Historic Cultural Landscapes

Friday, April 24, 8:00 a.m. - 5:00 p.m.

Organizer: Norm Moline (Augustana College)

Trip Capacity: 45

Cost/person: \$51 (*Note to attendees: Please bring \$10-15 cash for lunch*)

Visits to some historic suburbs and neighborhoods: Riverside, designed by Olmsted in 1869, one of the nation's first suburbs; Berwyn, a 120-year old working class suburb with changing ethnic groups and many Chicago-style bungalows; Oak Park, home of Frank Lloyd Wright's Prairie architecture and a proactive approach to racial integration; Wicker Park and Old Town, neighborhoods started by Swedes and Germans, succeeded by other ethnic groups and now gentrified; Bronzeville, the historic African-American neighborhood including the former Robert Taylor Homes (once the nation's largest public housing project now replaced by mixed housing) and Fire Engine Co. 16's inspiring school-support program.

### #4-4 Activism and Activists in Chicago in the 1960s

Friday, April 24, 9:00 a.m. - 12:00 p.m.

Organizers: Euan Hague (DePaul University) and Michael James

Trip Capacity: 27

Cost/person: \$33 (*Note to attendees: Please bring \$10-20 cash for lunch*)

The 1960s were a dynamic time of political activism in Chicago, most famously at the 1968 Democratic Convention. This bus/walking tour will visit sites associated with Students for a Democratic Society, the Black Panthers, Jobs Or Income Now, Rising Up Angry and other local activist organizations of the era. The tour will culminate with an optional lunch at the Heartland Cafe and opportunity to speak further with Mike James, an active leader in the 1960s who participated in many of these events.

## FIELD TRIPS

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### #4-6 Downtown Walking Tour of Chicago

Friday, April 24, 1:00 p.m. - 3:00 p.m.

Organizers: George Pomeroy (Shippensburg University) and Xinyue Ye (Kent State University)

Leader: Benet Haller (Urban Design and Planning, City of Chicago)

Trip Capacity: 30

Cost/person: \$11

*Sponsored by: Regional Development and Planning Specialty Group*

This "Chicago Edition" of Regional Development and Planning Specialty Group's Signature Downtown Walking Tour features Benet Haller, Director of Urban Design and Planning, City of Chicago. Mr. Haller will profile recently completed and ongoing planning and development projects, planning challenges, and architectural landmarks in the vicinity of Wacker Drive, Michigan Avenue, and Randolph and State streets.

### #4-7 Climate Change in Action: Michigan's Growing Wine Industry

Friday, April 24, 8:30 a.m. - 5:00 p.m.

Organizers: Steven Schultze (Michigan State University) and John Tiefenbacher (Texas State University)

Trip Capacity: 22

Cost/person: \$71 (*includes transportation and admission. Note to attendees: Please bring \$15-20 cash for lunch and additional money for purchasing any wine you enjoy from the tastings*)

*Sponsored by: Wine Specialty Group*

Travel 90 minutes east to the other side of Lake Michigan and in to southwest Michigan's Wine Country. This region is a prime example of recent climate change and its effects on agriculture. 40 years ago, it was impossible to produce varieties of grapes found in Napa or Bordeaux. Since 1971, the growing season (once considered too short) has lengthened by more than four weeks and the area is now capable of producing award winning wines. Have lunch overlooking the lake and travel to three vineyards (12 Corners, Lemon Creek and Tabor Hill) and see what Michigan has to offer.

### SATURDAY, APRIL 25

### #5-2 Agricultural Landscapes of Illinois

Saturday, April 25, 11:00 a.m. - 5:00 p.m.

Organizers: Courtney Gallaher and James Wilson (Northern Illinois University)

Trip Capacity: 12

Cost/person: \$46 (*includes transportation. Note to attendees: Please bring \$15-20 cash for lunch*)

*Sponsored by: Geographies of Food and Agriculture Specialty Group*

Agriculture is at the center of Illinois' economy and is innately tied to the physical, cultural and political geography of this region. In this day long field trip, we explore a range of agricultural production operations in northern part of the state to learn more about the diversity and complexity of Illinois' agricultural landscapes. The tour will include a visit to a state of the art robotic dairy operation, a large-scale commercial cattle and grain operation and a tour of Angelic Organics, one of the largest organic community supported agriculture (CSA) operations in the country. Friday, April 24

## EXCURSION

### EX#4-1 Chicago Fire Vs. New York City FC

Friday, April 24, 5:00 p.m. - 10:00 p.m.

Organizer: Todd Schuble (University of Chicago)

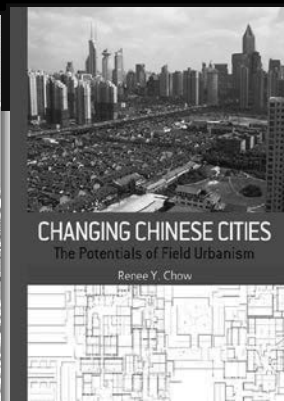
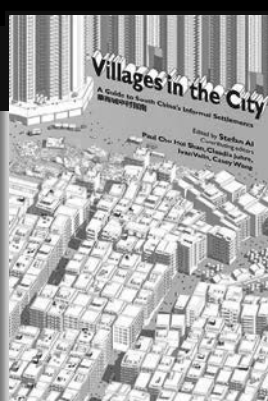
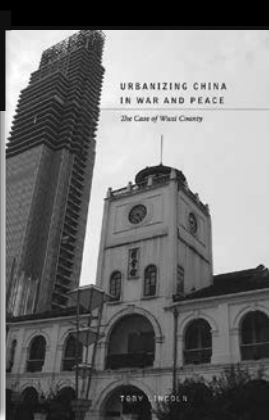
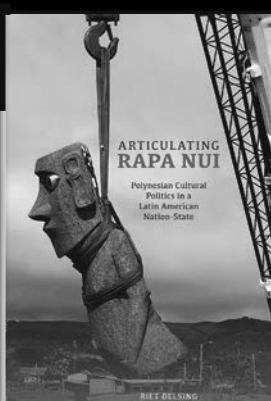
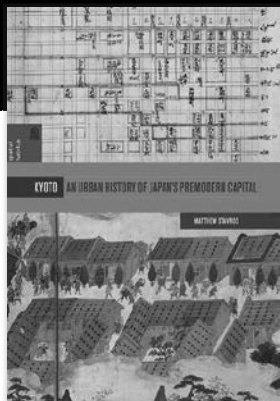
Trip Capacity: 22

Cost/person: \$12 (*includes admission. Attendees will take public transportation. Note to attendees: Please bring \$10-20 cash for food*)

Some attendees of the AAG would like to see our local professional soccer team in action. The Chicago Fire will host the New York City FC at Toyota Park in Bridgeview, Illinois on Friday, April 24 at 7:00 p.m. Watch Fire players like Shaun Maloney and David Accam take on David Villa and one of the newest teams in the MLS, NYCFC. Also, it will be \$2 beer night at the stadium presented by Heineken.

A ride on public transportation will be necessary to see the game and will allow attendees to get a view of the southwest side of Chicago during the trip. Public transportation information is available here: <http://www.chicago-fire.com/matchday/gettotp/publictransportation>

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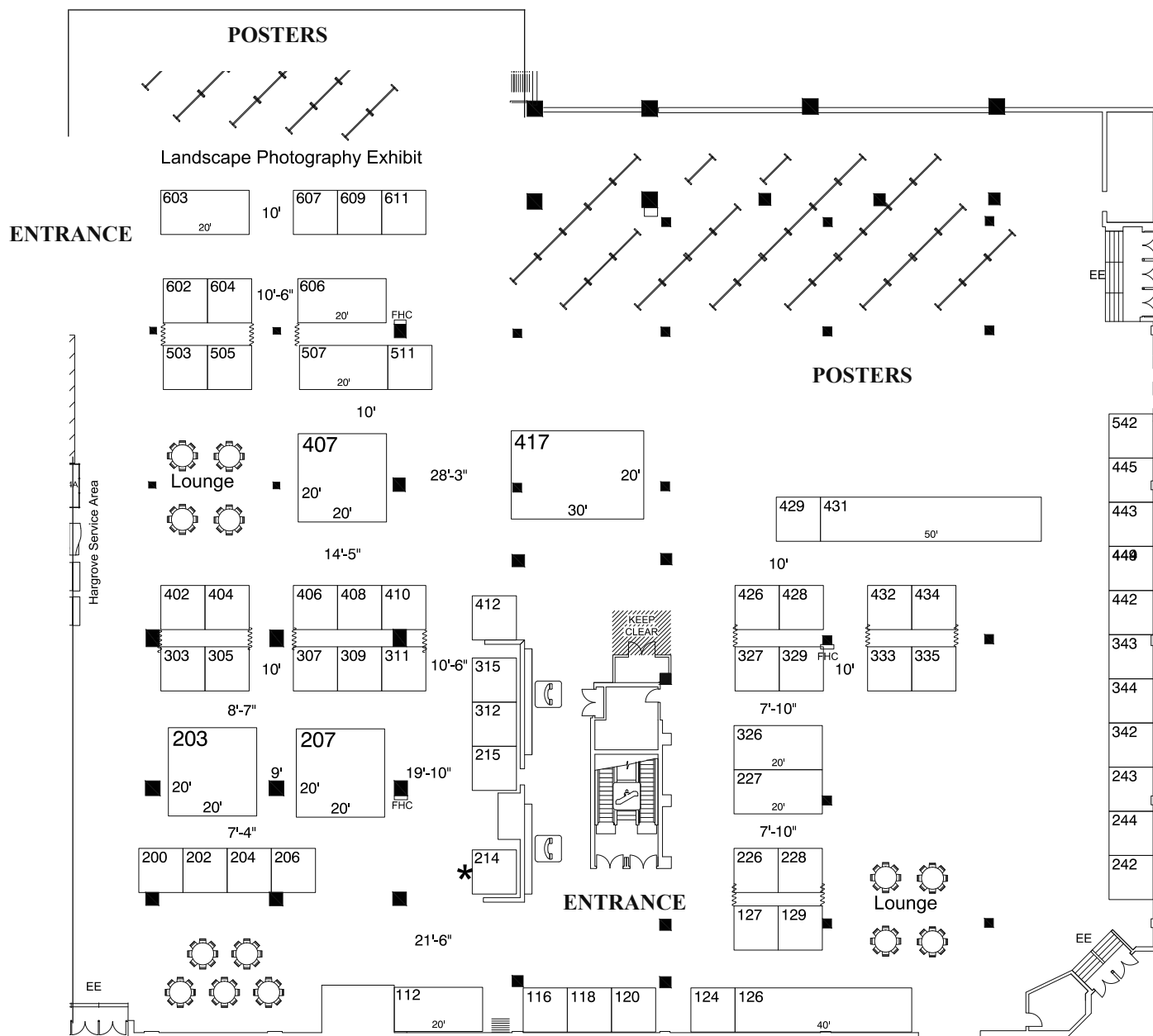
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The 2015 AAG Annual Meeting Exhibitors will be located in the **Riverside Center, Purple Level**, of the Hyatt Chicago.



## EXHIBIT HALL TWITTER SCAVENGER HUNT

The AAG will offer a Twitter Scavenger Hunt in the Exhibit Hall. Participate in the scavenger hunt for an opportunity to win a complimentary 2016 Annual Meeting conference registration. One winner will be selected for each day the exhibit hall is open (Wednesday-Friday). Follow the AAG meeting, on twitter, for more information: @the AAG.

## EXHIBIT HALL HOURS

Wednesday, April 22

11:30 a.m. – 7:30 p.m. Exhibit Hall Open

4:30 p.m. - 7:30 p.m. Reception and Happy Hour in the Hall

Thursday, April 23

11:30 a.m. – 7:30 p.m. Exhibit Hall Open

4:30 p.m. - 7:30 p.m. Reception and Happy Hour in the Hall

Friday, April 24

9:30 a.m. - 1:30 p.m. Exhibit Hall Open

11:30 a.m. - 1:30 p.m. Coffee Break and Snacks in the Hall



# EXHIBITORS

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AAAS Science & Technology .....	408
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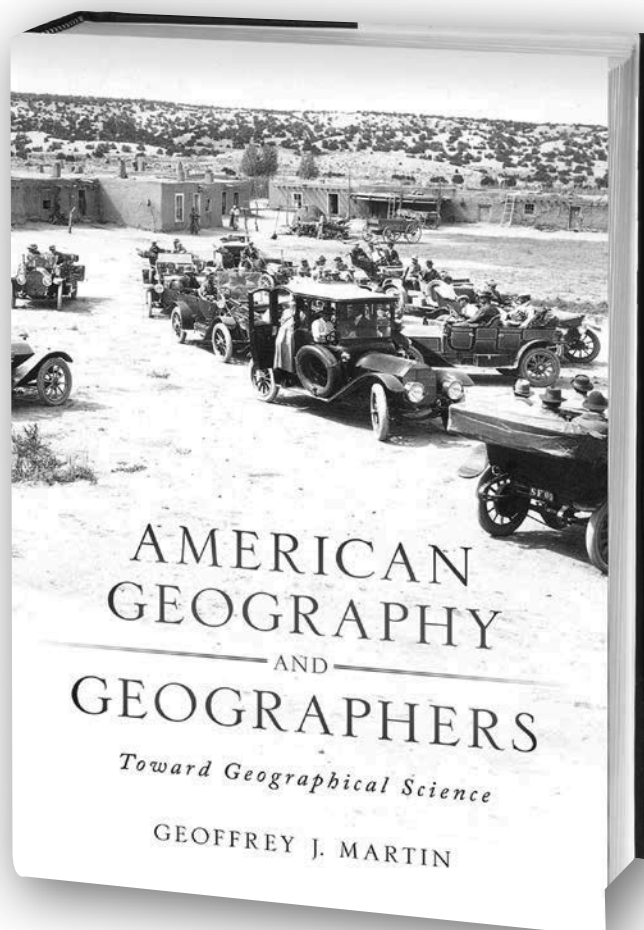
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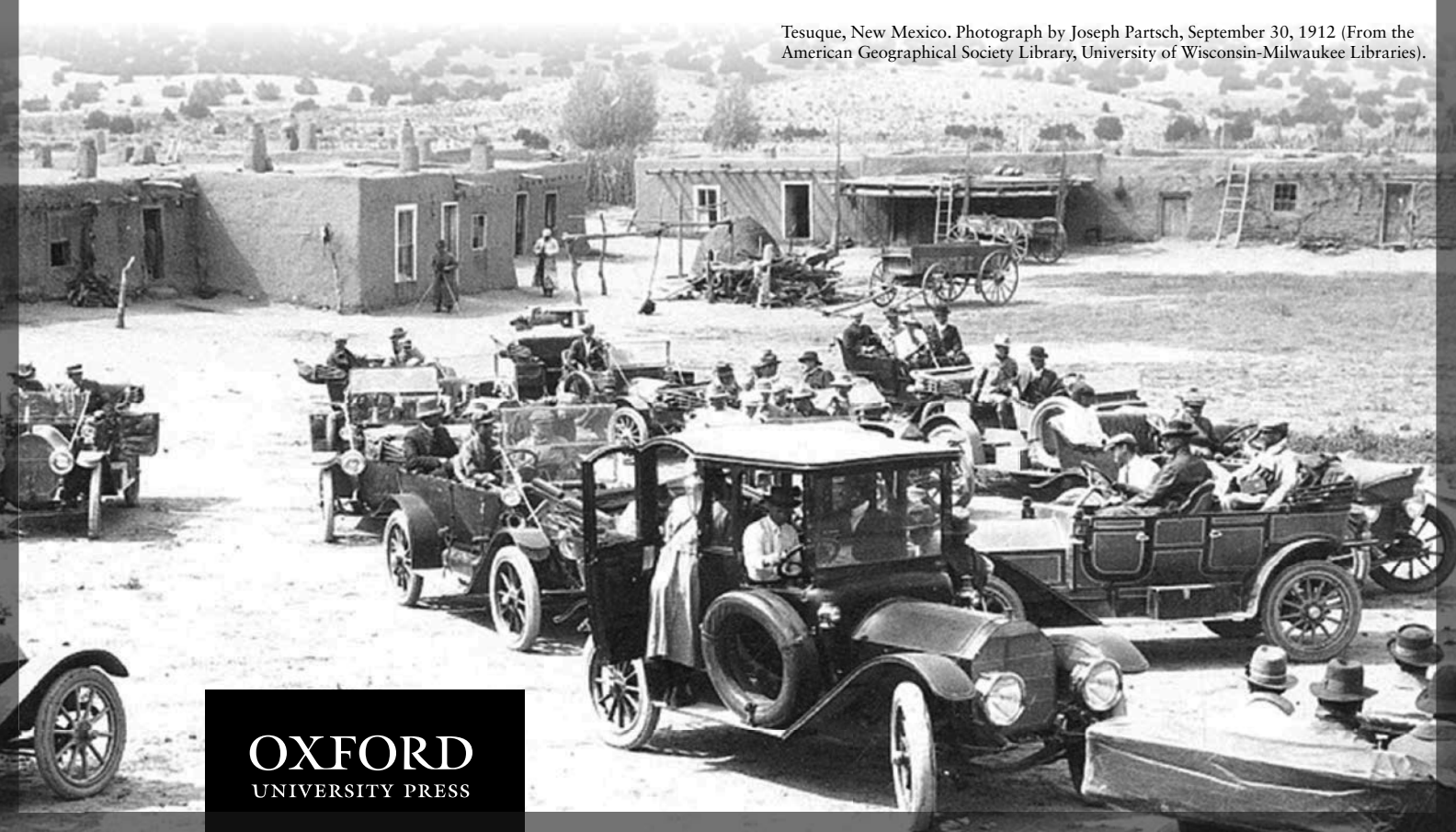
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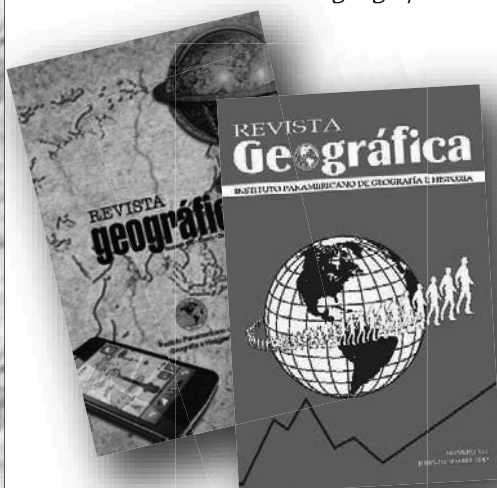


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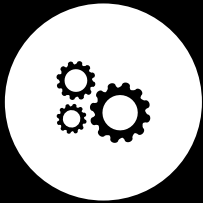
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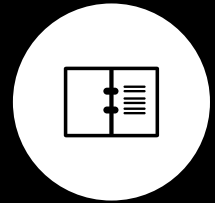
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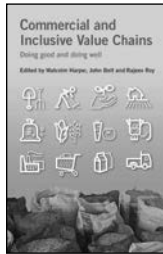
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- **Exhibit Hall** - Booths and exhibits showcasing recent publications and new geographic technologies
- **Career and Networking Opportunities** - An international networking reception, a Jobs and Careers Center highlighting the latest employment opportunities for geographers, and career development sessions
- **Special Events** - Keynote presentations from distinguished speakers from inside and outside of geography, World Geography Bowl, and awards luncheon
- **Workshops** - Training sessions and workshops to help further your professional or academic career
- **Field Trips** - Attendees also will have several options to explore the rich cultural and physical geography of San Francisco through informative field trips and excursions

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1. Adhere rigorously to the TIMES printed in the program. Each session presentation is assigned a specific time. If you have a no-show, use his or her time for a discussion of the preceding paper(s) or for a recess. Do not shift later papers into such voids. That is unfair to attendees who plan to hear a particular presentation.
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5. If the SESSION ROOM FILLS QUICKLY and it looks like the session may be full or overfull, please make an announcement at the beginning of the session encouraging attendees to move toward the center of their row to make seats available. In addition, please have the Conference Volunteer assigned to your room call the AAG staff to assist with the crowd.
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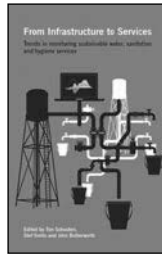
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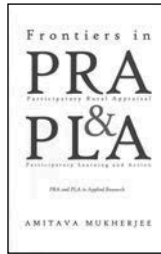
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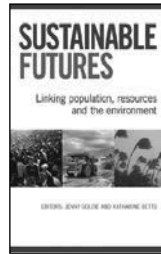
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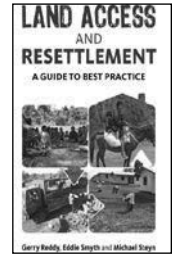
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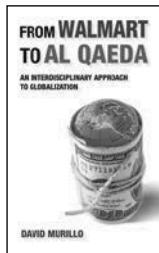
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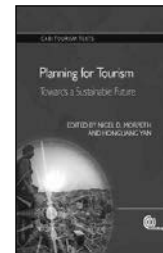
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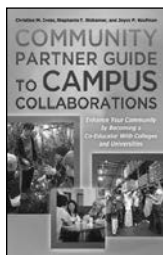
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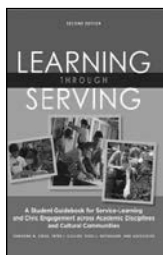
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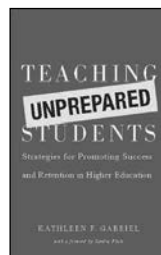
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Kathleen F. Gabriel

Foreword by Sandra M. Flake

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## KEY TO SESSION NUMBERS

AAG's sessions are all numbered with a 4-digit code. The numbers represent the following information:

1st digit = day (see below)

2nd digit = time period (see below)

Last two digits = room code (see next page)

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

Tuesday = 1

Wednesday = 2

Thursday = 3

Friday = 4

Saturday = 5

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

### Tuesday, April 21

<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. - 8:30 p.m.

*(AAG Presidential Plenary)*

### Wednesday, April 22

<i>Session #</i>	<i>Time</i>
21xx	8:00 a.m. - 9:40 a.m.
22xx	10:00 a.m. - 11:40 a.m.
23xx	11:50 a.m. - 1:10 p.m.
24xx	1:20 p.m. - 3:00 p.m.
25xx	3:20 p.m. - 5:00 p.m.
26xx	5:20 p.m. - 7:00 p.m.
27xx	7:15 p.m. - 8:15 p.m.
28xx	8:15 p.m. - 9:15 p.m.

### Thursday, April 23

<i>Session #</i>	<i>Time</i>
31xx	8:00 a.m. - 9:40 a.m.
32xx	10:00 a.m. - 11:40 a.m.
33xx	11:50 a.m. - 1:10 p.m.
34xx	1:20 p.m. - 3:00 p.m.
35xx	3:20 p.m. - 5:00 p.m.
36xx	5:20 p.m. - 7:00 p.m.
37xx	7:15 p.m. - 8:15 p.m.
38xx	8:15 p.m. - 9:15 p.m.

### Friday, April 24

<i>Session #</i>	<i>Time</i>
41xx	8:00 a.m. - 9:40 a.m.
42xx	10:00 a.m. - 11:40 a.m.
43xx	11:50 a.m. - 1:10 p.m.
44xx	1:20 p.m. - 3:00 p.m.
45xx	3:20 p.m. - 5:00 p.m.
46xx	5:20 p.m. - 7:00 p.m.
47xx	7:15 p.m. - 8:15 p.m.
48xx	8:15 p.m. - 9:15 p.m.

### Saturday, April 25

<i>Session #</i>	<i>Time</i>
51xx	8:00 a.m. - 9:40 a.m.
52xx	10:00 a.m. - 11:40 a.m.
53xx	11:50 p.m. - 2:00 p.m.
	<i>(AAG Awards Luncheon)</i>
54xx	2:00 p.m. - 3:40 p.m.
	2:30 p.m. - 3:40 p.m.
	<i>(AAG Business Meeting)</i>
55xx	4:00 p.m. - 5:40 p.m.

Therefore, session 1402 would be held on Tuesday, April 21 (1402) from 12:40 p.m. - 2:20 p.m. (1402) in Skyway 261 of the Hyatt (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	Floor
01	Skyway 260	Hyatt	Blue Level - East Tower
02	Skyway 261	Hyatt	Blue Level - East Tower
03	Skyway 265	Hyatt	Blue Level - East Tower
04	Skyway 269	Hyatt	Blue Level - East Tower
05	Skyway 272	Hyatt	Blue Level - East Tower
06	Skyway 273	Hyatt	Blue Level - East Tower
07	Skyway 281	Hyatt	Blue Level - East Tower
08	Skyway 282	Hyatt	Blue Level - East Tower
09	Skyway 283	Hyatt	Blue Level - East Tower
10	Skyway 284	Hyatt	Blue Level - East Tower
11	Skyway 285	Hyatt	Blue Level - East Tower
12	Buckingham	Hyatt	Bronze Level - West Tower
13	Columbus AB	Hyatt	Gold Level - East Tower
14	Columbus CD	Hyatt	Gold Level - East Tower
15	Columbus EF	Hyatt	Gold Level - East Tower
16	Columbus G	Hyatt	Gold Level - East Tower
17	Columbus H	Hyatt	Gold Level - East Tower
18	Columbus IJ	Hyatt	Gold Level - East Tower
19	Columbus KL	Hyatt	Gold Level - East Tower
20	Grand A	Hyatt	Gold Level - East Tower
21	Grand B	Hyatt	Gold Level - East Tower
22	Grand C/D North	Hyatt	Gold Level - East Tower
23	Grand C/D South	Hyatt	Gold Level - East Tower
24	Grand E/F	Hyatt	Gold Level - East Tower
25	Grand Suite 2 AB	Hyatt	Gold Level - East Tower
26	Grand Suite 3	Hyatt	Gold Level - East Tower
27	Grand Suite 5	Hyatt	Gold Level - East Tower
28	Plaza A	Hyatt	Green Level - East Tower
29	Plaza B	Hyatt	Green Level - East Tower
30	Soldier Field	Hyatt	Bronze Level - West Tower
31	Columbian	Hyatt	Bronze Level - West Tower
32	Comiskey	Hyatt	Bronze Level - West Tower
33	Gold Coast	Hyatt	Bronze Level - West Tower
34	Haymarket	Hyatt	Bronze Level - West Tower
35	Picasso	Hyatt	Bronze Level - West Tower
36	Water Tower	Hyatt	Bronze Level - West Tower
37	Wrigley	Hyatt	Bronze Level - West Tower
38	Acapulco	Hyatt	Gold Level - West Tower
39	Atlanta	Hyatt	Gold Level - West Tower
40	Hong Kong	Hyatt	Gold Level - West Tower
41	New Orleans	Hyatt	Gold Level - West Tower
42	Regency A	Hyatt	Gold Level - West Tower
43	Regency B	Hyatt	Gold Level - West Tower
44	Regency C	Hyatt	Gold Level - West Tower
45	Regency D	Hyatt	Gold Level - West Tower
46	San Francisco	Hyatt	Gold Level - West Tower
47	Toronto	Hyatt	Gold Level - West Tower
48	Crystal A	Hyatt	Green Level - West Tower
49	Crystal B	Hyatt	Green Level - West Tower
50	Crystal C	Hyatt	Green Level - West Tower
51	Stetson A	Hyatt	Purple Level - West Tower

## Session Room

Code#	Room Name	Facility	Floor
52	Stetson BC	Hyatt	Purple Level - West Tower
53	Stetson D	Hyatt	Purple Level - West Tower
54	Stetson E	Hyatt	Purple Level - West Tower
55	Stetson F	Hyatt	Purple Level - West Tower
56	Stetson G	Hyatt	Purple Level - West Tower
57	Addams	Hyatt	Silver Level - West Tower
58	Burnham	Hyatt	Silver Level - West Tower
59	Dusable	Hyatt	Silver Level - West Tower
60	Field	Hyatt	Silver Level - West Tower
61	Horner	Hyatt	Silver Level - West Tower
62	McCormick	Hyatt	Silver Level - West Tower
63	Ogden	Hyatt	Silver Level - West Tower
64	Wright	Hyatt	Silver Level - West Tower
65	Michigan A	Hyatt	Lakeshore - East Tower
66	Michigan B	Hyatt	Lakeshore - East Tower
67	Michigan C	Hyatt	Lakeshore - East Tower
68	Roosevelt	Hyatt	Lakeshore - East Tower
69	Randolph	Hyatt	Lakeshore - East Tower
NA	Jackson Board Room	Hyatt	Lakeshore - East Tower
70	Riverside Exhibit Hall	Hyatt	Riverside - East Tower
71	Sandburg	Hyatt	Silver Level - West Tower
72	Board of Trade	Hyatt	Top Level - West Tower
73	Lucerne 1	Swissotel	Lucerne Level
74	Lucerne 2	Swissotel	Lucerne Level
75	Lucerne 3	Swissotel	Lucerne Level
76	Alpine 1	Swissotel	Lucerne Level
77	Alpine 2	Swissotel	Lucerne Level
78	Zermatt/Gstaad	Swissotel	Lucerne Level
79	St Morits	Swissotel	Lucerne Level
80	Grindelwald	Swissotel	Lucerne Level
81	Verbier	Swissotel	Lucerne Level
82	100 Classroom	Gleacher Center	1st Level
83	200 Classroom	Gleacher Center	2nd Level
84	203 Classroom	Gleacher Center	2nd Level
85	204 Classroom	Gleacher Center	2nd Level
86	300 Classroom	Gleacher Center	3rd Level
87	303 Classroom	Gleacher Center	3rd Level
88	304 Classroom	Gleacher Center	3rd Level
89	306 Classroom	Gleacher Center	3rd Level
90	406 Classroom	Gleacher Center	4th Level
91	422 Classroom	Gleacher Center	4th Level
92	600a Classroom	Gleacher Center	6th Level
93	600b Classroom	Gleacher Center	6th Level
94	602 Classroom	Gleacher Center	6th Level
95	604 Classroom	Gleacher Center	6th Level
96	608 Boardroom	Gleacher Center	6th Level
97	621 Executive Dining Room	Gleacher Center	6th Level

### FACILITY MAPS:

Hyatt - pages 8-12

Swissotel- page 14

Gleacher Center - page 16-18



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

*For special events, please see the Special Events & Meetings Summary on pages 56-60.*

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**TUESDAY, APRIL 21 • 8:00 AM - 9:40 AM • 1100****1101. Chinese Urbanism: everyday critical geographies**

- Room:** Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Mark Jayne, University of Manchester  
 CHAIR(S): Mark Jayne, University of Manchester  
**8:00** Jingfu Chen\*, *Examining leisure mobilities: identity, inequality and contemporary urban life in China.*  
**8:20** Melissa Y. Rock, PhD\*, SUNY @ New Paltz (NY), *Interstitial Spaces of Caring and Community: Negotiating the privatization of space and dislocations of everyday practice.*  
**8:40** Hannah Schling\*, King's College London, *Gender, Temporality and Social Reproduction: An Analytical Framework for Investigating Migrant Labour in South China's Pearl River Delta..*  
**9:00** Shannon Bassett\*, University At Buffalo, *Recovering China's Agricultural and Water Landscapes and China's Everyday Critical Geographies- Reconfiguring Rural to Urban Built Typologies.*  
**9:20** Chen Liu\*, Royal Holloway, University of London, *Making the ideal home with culinary cultures in urban Guangzhou, China.*

**1102. Parks and Rec: Mapping Park Access through Time and Space (Sponsored by Geographic Information Science and Systems Specialty Group)**

- Room:** Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Melina Patterson, University of Mary Washington  
 CHAIR(S): Melina Patterson, University of Mary Washington  
**8:00** Timothy St. Onge\*, Clark University, *Racial and Socioeconomic Equity in Urban Park Access: A Geostatistical Analysis of Philadelphia.*  
**8:20** Jacob Snyder\*, University of Mary Washington, *Geospatial Measurements of Park Access over Time: A comparison of methods and techniques.*  
**8:40** Meredith Stone\*, University of Mary Washington, *Places to Play: Mapping Early 20th Century Playgrounds.*  
**9:00** Candice Michelle Weems, M.S., Geography\*, Oregon State University, *Change in access to parks in Seattle, 1990-2010: implications for gentrification.*  
 Discussant(s): Melina Patterson, University of Mary Washington

**1105. Getting Around: Navigation and Travel**

- Room:** Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Program Committee  
 CHAIR(S): Douglas Rivet, Western University  
**8:00** Ian J Irmischer\*, University of California - Santa Barbara; Daniel R Montello, University of California - Santa Barbara, *Individual Differences That Affect Navigational Performance.*  
**8:20** Xing Zhang\*; Qingquan Li; Zhixiang Fang, *Quantitatively assessing the recognition time of landmarks for pedestrian navigation.*  
**8:40** Gil Tal\*, UC Davis, *Studying Long Distance Road Trips by Using a Web Map survey.*  
**9:00** Jae Hyun Lee\*, Department of Geography and GeoTrans Lab University of California, Santa Barbara; Adam W Davis, Department of Geography and GeoTrans Lab, University of California Santa Barbara; Konstadinos G Goulias, Department of Geography and GeoTrans Lab University of California, Santa Barbara, *Investigating the relationship between Sense of Place, Subjective Well-Being, and Travel behavior.*  
**9:20** Douglas Rivet\*, Western University; Jason Gilliland, PhD, Western University, *Examining built environment determinants of active travel: Synthesizing household travel surveys and GIS.*

**1106. Placing 'fieldwork': critical pedagogies of undergraduate fieldwork in Geography (Sponsored by Geography Education Specialty Group)**

- Room:** Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Annie Hughes; Peter Garside, Kingston University

CHAIR(S): Annie Hughes

- 8:00** Chris Perkins\*, University of Manchester, *'Playing the field': Go-Go Gozo.*  
**8:12** Jonathan Wessell\*, Ferris State University, *Building Social Studies Content Knowledge and Teacher Self-Efficacy Through Field Study Experiences.*  
**8:24** Peter Garside\*, Kingston University; Annie Hughes\*, Kingston University, *Critical Pedagogies of Fieldwork.*  
**8:35** Derek France, PhD\*, University of Chester. UK; Ian Fuller, PhD, Massey University, New Zealand; Alice Louise Mauchline, PhD, University of Reading, UK; Julian Park, PhD, University of Reading, UK; Victoria Powell, PhD, University of Chester, UK; Katharine Welsh, PhD, University of Chester, UK; Brian Whalley, PhD, University of Sheffield, UK, *The Flexible Digital Environment of Fieldwork.*  
**8:46** Cameron Owens, PhD\*, University of Victoria, *Assessing Student Learning on a field school exploring the contested terrain of sustainability.*  
**8:57** Paola Minoia\*, University of Helsinki, *A teacher's ethnography in field courses: from reflections to critical pedagogical questions..*  
 Discussant(s): Richard Phillips, University of Sheffield

**1108. The dynamics and simulation of residential land use in China (Sponsored by China Specialty Group)**

- Room:** Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Rongxu Qiu, University of Lethbridge; Jie Fan  
 CHAIR(S): Jie Fan  
**8:00** Tianhua Shao\*, University of South Carolina; Caroline Nagel, University of South Carolina, *Lives in the Alley: Reproducing the Lilong Landscape and Memories in Shanghai.*  
**8:20** De Tong\*; guicai li, *Rural-Urban Migrants' Reluctant Housing Choices: A Case Study of Urbanized Villages in Shenzhen, China.*  
**8:40** Jie Fan\*, Key Laboratory of Regional Sustainable Development Modeling, CAS; Kan Zhou, Key Laboratory of Regional Sustainable Development Modeling, CAS, *Research on urban sprawl in Beijing: A perspective on residential space.*  
 Discussant(s): Rongxu Qiu, University of Lethbridge

**1109. Integrative Approaches to Monitoring and Understanding Large-scale Hydrological Systems (Sponsored by Remote Sensing Specialty Group, Water Resources Specialty Group)**

- Room:** Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Jida Wang, Kansas State University; Qian Yu, University of Massachusetts; Ruiliang Pu, UNIVERSITY OF South Florida  
 CHAIR(S): Jida Wang, Kansas State University  
**8:00** Peter Kimosop\*, Youngstown State University, *Geographical Analysis of Migratory Patterns and its Potential Effects on Development - A Case Study of National Schools in Kenya..*  
**8:20** Michael Merlini\*, Minnesota State University Mankato, *A Dynamic, Distributed Hydrologic Model for the Blue Earth River Watershed, Minnesota with Implications Regarding Land Use and Water Quality.*  
**8:40** Yue Gu\*, University of Nebraska - Lincoln, *Examining the actual inundation conditions of playa wetlands in the two national wetland databases.*  
**9:00** Jehan Mashaly\*, University of North Carolina Wilmington; Eman Ghoneim, Professor, University of North Carolina Wilmington; Doug Gamble, Professor, University of North Carolina Wilmington; Michael Benedetti, Professor, University of North Carolina Wilmington, *Remote Sensing and GIS Techniques for the Assessment of Flash Flood Risk in Quseir, Red Sea Coast, Egypt.*



**TUESDAY, APRIL 21 • 8:00 AM - 9:40 AM • 1100**

**9:20** Jida Wang\*, Kansas State University; University of California, Los Angeles; Yongwei Sheng, University of California, Los Angeles; Spencer J. Ford, Kansas State University; Pedro J. Sartori, Kansas State University; Universidade Federal de Lavras ? Brazil; Samuel J. Belling, Kansas State University; Chunqiao Song, University of California, Los Angeles, *Towards a Global Assessment of Lake Water Resource: Differentiating Freshwater and Saline Types from a High-Resolution Global Lake Inventory.*

**1110. Tracking Technologies and Geographic Research I (Sponsored by Recreation, Tourism, and Sport Specialty Group, Population Specialty Group, Transportation Geography Specialty Group)**

*Room:* Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Rein Ahas, University of Tartu; Menno-Jan Kraak, ITC

CHAIR(S): Noam Shoval, The Hebrew University of Jerusalem

**8:00** Noam Shoval\*, The Hebrew University of Jerusalem, Israel; Mei-Po Kwan, University of Illinois at Urbana-Champaign, USA; Kristian H Reinau, University of Aalborg, Denmark; Henrik Harder, University of Aalborg, Denmark, *The shoemaker's son always goes barefoot : Implementations of GPS and other tracking technologies for geographic research.*

**8:20** Menno-Jan Kraak\*, University of Twente; Rein Ahas, University of Tartu; Raivo Aunap, University of Tartu, *Mapping your tracks: concepts and designs.*

**8:40** Henriikki Tenkanen\*, University of Helsinki; Tuuli Toivonen, Department of Geoscience and Geography / Department of Biosciences, University of Helsinki, Finland, *Novel indicators of human threat for global spatial conservation planning: Social media density and accessibility as global surrogates for human presence.*

**9:00** Maarten Vanhoof\*, Culture Lab, Newcastle University and Department SENSE, Orange Labs, Issy-les-Moulineaux, *Introducing space and scale to the study of human mobility and interactions from mobile phone data in France.*

**9:20** Janika Raun\*, University of Tartu, Department of Geography, *Defining usual environment with mobile positioning data.*

**1111. Regional Industrial Complexes**

*Room:* Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): David Doloreux, University of Ottawa

**8:00** Simonetta Armondi\*, Politecnico di Milano, *Understanding Contemporary Geographies of Production. Trends and Pitfalls in the Milanese Urban Region.*

**8:20** Xiulian Ma\*, Chinese Academy of Governance; Taofang Yu, School of Architecture, Tsinghua University, *Industrial and Spatial Agglomeration in World Cities of Developmental State: Beijing as an Example.*

**8:40** Fan Yang\*, Fan Yang, *Industrial Agglomeration and Chinese Manufacturing Pollution.*

**9:00** Anika Laperrière, John Molson School of Business; David Doloreux\*, University of Ottawa; Richard Shearmur, McGill University, *Assessing the influence of regional industrial context on internationalisation strategies of KIBS.*

**1113. Welcome to the AAG annual meeting! A discussion on navigating and making the most of the conference (Sponsored by AAG Jobs and Careers Theme, Graduate Student Affinity Group, Geography Faculty Development Alliance (GFDA))**

*Room:* Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Brian Williams, The University of Georgia; Young Rae Choi, Ohio State University

CHAIR(S): Brian Williams, The University of Georgia

Discussant(s): Sarah Goggin, Cypress College; Kanika Verma, Texas State University

Panelists: Minoru Yuda, University of Tokyo; Mark Revell, Association of American Geographers - Washington, DC; Ronald R. Hagelman, Texas State University - San Marcos

**1114. WS #2-3 Preparing Geography Students for the 21st Century Workforce (Sponsored by AAG Jobs and Careers Theme)**

*Room:* Columbus CD, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Niem Huynh, Association of American Geographers

CHAIR(S): Niem Huynh, Association of American Geographers

Introducer: Niem Huynh

Discussant(s): Michael N. Solem, Association of American Geographers; Joseph J. Kerski, Esri

**1115. New Perspectives in Paleoenvironmental Change and Geoarchaeology I: The Mediterranean and Maya (Sponsored by Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)**

*Room:* Columbus EF, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Samuel Erik Munoz, University of Wisconsin-Madison; Matthew Charles Peros, Bishop's University; Timothy Beach, University of Texas at Austin

CHAIR(S): Samuel Erik Munoz, University of Wisconsin-Madison

**8:00** Ekaterina Ershova\*, Moscow State University; Nikolay Krenke, Archaeological Institute, Moscow, Russia; Alexander Alexandrovskiy, Institute of Geography, Moscow, Russia, *Palaeoecology of the Moskva River floodplain: soil, pollen and archaeological records.*

**8:20** Mike Benedetti\*, University of North Carolina Wilmington; Jonathan Haws, University of Louisville; Nuno Bicho, University of Algarve, *Paleolithic Geoarchaeology of Lapa do Picareiro, Portugal.*

**8:40** Miguel Eduardo Díaz-Díaz\*, University of Puerto Rico and Para La Natur; Isabel Rivera-Collazo, Ph.D, University of Puerto Rico and Para La Natur; Maritza Barreto-Orta, University of Puerto Rico and Para La Natur, *Coastal erosion as a agent of geomorphological change and loss of archaeological context.*

**9:00** Jonathan M Flood\*, University of Texas at Austin; Sheryl Luzzadder-Beach, PhD, University of Texas at Austin; Tim Beach, PhD, University of Texas at Austin, *Humans and Hydrology from Crete to Caracol: A Comparative Study of Ancient Maya and Minoan Water Management.*

**9:20** Sheryl Luzzadder-Beach\*, University of Texas-Austin; Timothy P. Beach, University of Texas-Austin; Samantha Krause, University of Texas-Austin, *'Mayacene' Floodplain and Wetland Formation in the Rio Bravo Watershed of Northwestern Belize.*

**1116. "The Stone Unquarried": Extractive Imaginaries and Mining Futures**

*Room:* Columbus G, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Guntra Aistara, Yale University; Karen Hebert, Yale University

CHAIR(S): Karen Hebert, Yale University

**8:00** David Kneas\*, University of South Carolina, *Magical Futures and Immaterial Mines: The Promotion of Resource Wealth In Ecuador.*

**8:20** Samara Brock\*, Yale University; Karen Hebert\*, Yale University, *Counter-maps and Dreams: Resources, Measurement, and Environmental Claims-making in Bristol Bay, Alaska.*

**8:40** Guntra Aistara\*, Yale University, *Welcome to the (Eco)-Mine: Hypothetical Mines and National Inconvenience in Northern Costa Rica.*

**9:00** Milos Milicevic\*, Central European University, *Landscapes of the Future.*

**TUESDAY, APRIL 21 • 8:00 AM - 9:40 AM • 1100**

Discussant(s): Stuart Kirsch, University of Michigan

**1118. Connecting ecology and design: A case study of restoring an ecosystem at Jackson Park in the Olmsted style**

*Room:* Columbus JJ, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Lauren Umek  
 CHAIR(S): Lauren Umek  
 Panelists: Lauren Umek; Julia Bachrach, Chicago Park District; Michael Lange, Chicago Park District

**1119. Reflections on Sustainability in a Changing World, Session 1**

*Room:* Columbus KL, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Alison Blay-Palmer  
 CHAIR(S): Alison Blay-Palmer  
**8:00** Julia M.L. Laforge\*, University of Manitoba; Colin R. Anderson, Coventry University; Stéphane M. McLachlan, University of Manitoba, *The Contested Rise of Local Food: The Silent Role of Government Policy and Regulation in Shaping Direct Farm Marketing in North America.*  
**8:20** Phil Mount\*, Wilfrid Laurier University, *What is public land?*  
**8:40** Lisa Ohberg, M.A.\*, University of Guelph, *Frames, Food Strategies, and Food Policy: A Canadian Case Study of Discursive Strategies in the Battle for the Future of the Food System.*  
**9:00** Alison Blay-Palmer\*, Wilfrid Laurier University, *Collaborative research; South/ North Knowledge Flows.*  
 Discussant(s): Erin Nelson, Laurier Centre for Sustainable Food Systems

**1120. New Developments in Geospatial Data Management at the Census Bureau**

*Room:* Grand A, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Michael R. Ratcliffe, U.S. Bureau Of the Census  
 CHAIR(S): Michael R. Ratcliffe, U.S. Bureau Of the Census  
**8:00** Tiernan Erickson\*, U.S. Census Bureau, *Community TIGER: Cloud-Based Tools from the U.S. Census Bureau and Esri for Address and Spatial Data Sharing.*  
**8:20** David Cackowski\*, U.S. Census Bureau, *Updating the US Census Bureau's Geospatial Database Using Automated Conflation.*  
**8:40** Meghan Smith\*, U.S. Census Bureau, *Effective Web Map Design For A Geo-Location Application.*  
**9:00** Timothy F. Trainor\*, U.S. Bureau Of the Census, *The Importance of the Global Geospatial Information Management Agenda to the United States.*  
**9:20** Trudy A Suchan, PhD\*, U.S. Bureau Of the Census, *A Reengineered Address Canvass for the U.S. 2020 Census.*

**1121. Meat as development: political, economic, and cultural dimensions of meat demand in emerging countries (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Grand B, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Jeffrey Hoelle, University of California - Santa Barbara  
 CHAIR(S): Jeffrey Hoelle, University of California - Santa Barbara  
 Panelists: Jeffrey Hoelle, University of California - Santa Barbara; Mindi Schneider, International Institute of Social Studies (ISS); James L. Watson, Harvard University; Tony Weis, UWO; David Lopez-Carr, UC Santa Barbara; Susanna Hecht, University of California Los Angeles

**1125. Institutional capital and socioecological ills and wills**

*Room:* Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Kendra Strauss, Simon Fraser University; Jessica Dempsey, University of Victoria; Hug March, Fundació Per a La Universitat Oberta De Catalunya  
 CHAIR(S): Alex Loftus, King's College London  
 Discussant(s): Erik Swyngedouw, University of Manchester  
 Panelists: Waqar Ahmed, University of North Texas; Sara Nelson, University of Minnesota; Jesse Goldstein, Virginia Commonwealth University; Brett Christophers, Department of Social and Economic Geography, Uppsala University

**1126. Financialization, debt and subjectivation: struggles for (re) appropriation**

*Room:* Grand Suite 3, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Melissa Garcia Lamarca, University of Manchester - Manchester; Maria Kaika, University of Manchester - Manchester  
 CHAIR(S): Mark Kear, Simon Fraser University  
 Introducer: Mark Kear  
**8:07** Melissa Garcia Lamarca\*, University of Manchester - Manchester, *(De)Mortgaging Lives: Financialisation, Biopolitics and Political Subjectivation in the Barcelona Metropolitan Area.*  
**8:22** Sophie Gonick\*, University of California, Berkeley, *Waking the Civil Dead: Property, Politics, and Resistance in Contemporary Madrid.*  
**8:37** Cesare Di Felicianantonio\*, Sapienza- University of Rome & KU Leuven, *Exploring the links among squatting, financialization and the (urban) commons.*  
**8:52** Maria Kaika, Prof\*, University of Manchester - Manchester, *The Alchemy of Water? or? how fighting for the urban commons can prevent an Anthropological Catastrophe.*  
 Discussant(s): Elvin K. Wyly, University of British Columbia

**1127. 'Places in Processes' 1: Places as temporary Stabilities in dynamic Knowledge generating Processes**

*Room:* Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Suntje Schmidt, Institute for Regional Development and Structural Planning; Anna Growe, University of Freiburg, Institute of Cultural Geography  
 CHAIR(S): Anna Growe, University of Freiburg, Institute of Cultural Geography  
**8:00** Andy C Pratt\*, City University London, *Fablab as a learning ecosystem. A theoretical discussion on knowledge sharing.*  
**8:20** Janet Merkel, Dr\*, WZB, *Between Buzz and Project Ecologies: Exploring Knowledge Production in Co-working Spaces.*  
**8:40** Johan Jansson\*, Uppsala University, *Temporary spaces and events: local and global circuits in the cultural industries.*  
**9:00** Suntje Schmidt\*, Leibniz-Institute for Regional Development and Structural Planning; Anna Growe, University of Freiburg, Institute of Cultural Geography, *Temporary Places in knowledge generating Processes - Two Sides of one Story.*  
 Discussant(s): Nick Clifton, Cardiff Metropolitan University

**1129. (Geo)politics of Ebola**

*Room:* Plaza B, Hyatt, East Tower, Green Level (Panel Session)  
 ORGANIZER(S): Audra El Vilaly, The University of Arizona; Ian Shaw, The University of Glasgow  
 CHAIR(S): Audra El Vilaly, The University of Arizona  
 Discussant(s): Derek Gregory, University of British Columbia  
 Panelists: Ian Shaw, The University of Glasgow; Deborah Thien, California State University, Long Beach; Stuart Elden, University of Warwick; Audra El Vilaly, The University of Arizona

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## 1130. Carnivore-Human Entanglements 1 (Sponsored by Cultural Geography Specialty Group, Animal Geography Specialty Group)

*Room:* Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Kalli F. Doubleday, University of Texas at Austin; Sharon E. Wilcox, University of Texas Austin  
 CHAIR(S): Kalli F. Doubleday, University of Texas at Austin  
 8:00 Cadi Fung\*, Michigan State University, *Navigating Currents of Change: Shifting Relationships Between Humans and the Amazon River Dolphin*.  
 8:20 KALLI DOUBLEDAY\*, University of Texas - Austin, "They do not understand us...they can go anywhere": *Local Discourses and Sense of Place Related to Reintroduction of Tigers back into Sariska Tiger Reserve, India*.  
 8:40 Anita Hagy Ferguson\*, Arizona State University, *Everybody Knows that Ranchers Hate Wolves ? or How Boundary Entanglement Created a Wolf made of Straw*.  
 9:00 Jared D Margulies\*, University of Maryland Baltimore County, *Constructing elephant borders, creating carnivore conflict: or seeing animals like a state..*  
 Discussant(s): Sharon E. Wilcox, University of Texas Austin

## 1131. Pathways to decarbonisation 1: Problematising low carbon (Sponsored by Energy and Environment Specialty Group)

*Room:* Columbian, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Andres Luque-Ayala, Durham University, UK; Harriet Bulkeley, University of Durham; Matthew Hoffmann  
 CHAIR(S): Simon Marvin, Durham University  
 8:00 Matthew Hoffmann\*, University of Toronto; Steven Bernstein, University of Toronto, *Transformative Policy Pathways to Decarbonization*.  
 8:16 Harriet Bulkeley, Prof.\*, Durham University; Andres Luque Ayala, Dr., Durham University; Simon Marvin, Prof., Durham University, *Transitions 2.0 - A Low Carbon Urbanism Framework*.  
 8:32 Andrew Karvonen\*, University of Manchester, *Pathways of Urban Nature: The Politics of Greening Cities*.  
 8:48 Laura Tozer, BSc(Env), MA\*, University of Toronto, *The discursive construction of urban pathways to decarbonization*.  
 9:04 Alexander Aylett, PhD\*, National Institute for Scientific Research (INRS), *Models of Urban Climate Governance: A Typology and International Analysis*.

## 1132. Making Other Worlds Possible I: Geographies of Co-operative Enterprise (Sponsored by Cultural Geography Specialty Group, Economic Geography Specialty Group)

*Room:* Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Janelle Cornwell, Worcester State College; Rebecca Wolfe, University of Wisconsin-Milwaukee  
 CHAIR(S): Katherine Gibson, University of Western Sydney  
 8:00 Laura Hanson Schlachter, PhD Student, Sociology\*, UW-Madison, *Collaborating in the New Economy: a Case Study of Union Co-ops in Cincinnati, OH*.  
 8:20 Rebecca Wolfe, PhD Student\*, University of Wisconsin-Milwaukee, *Scale, Place and the Space of Possibilities for Worker Co-operatives*.  
 8:40 Luke Drake\*, Rutgers University, *Toward a relational understanding of community economy*.  
 9:00 Janelle Cornwell, PhD\*, Worcester State College, *Research This! Methods in Co-operative Development*.  
 9:20 Minsun Ji\*, Korbel School of International Studies, University of Denver, *Competing labor ontology and union- worker cooperative collaboration: opportunities and challenges in the United States*.

## 1133. Ambient and Atmospheric Geographies 1: Conceiving

*Room:* Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Paul Simpson, Plymouth University; Damien Masson, University of Cergy-Pontoise. MRTE

Laboratory; Rainer Kazig, CNRS  
 CHAIR(S): Paul Simpson, Plymouth University  
 8:00 Paul Simpson\*, Plymouth University; Damien Masson, Université de Cergy Pontoise; Rainer Kazig, CRESSON, Grenoble, *Introducing Ambient and Atmospheric Geographies*.  
 8:20 James N. Ash\*, Newcastle University, *Atmospheric Methods*.  
 8:40 Niels Albertsen, professor\*, Aarhus School of Architecture, *A(n)tmospheric gestures*.  
 9:00 Justin Spinney\*, Cardiff University, *Toward an aesthetics of cycle design: Using bio-sensing to apprehend and represent visual and sensory experience of older cyclists*.  
 Discussant(s): Damien Masson, University of Cergy-Pontoise. MRTE Laboratory

## 1135. Geographies of Infrastructure Finance and Governance (Sponsored by Economic Geography Specialty Group)

*Room:* Picasso, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Peter O'Brien; Andy Pike, Newcastle University; Phillip O'Neill, University of Western Sydney  
 CHAIR(S): Andy Pike, Newcastle University  
 8:00 Phillip O'Neill\*, University of Western Sydney; Michael Pryke, Open University UK; John Allen, Open University UK, *Infrastructure's stubborn spatiality*.  
 8:20 Andrew E.G. Jonas\*, University of Hull; Andrew R. Goetz, University of Denver, *Public-private finance and the territorial politics of extra collective provision: the case of regional rail transit in Denver, CO*.  
 8:40 Allan Cochrane\*, Open University, *Who needs infrastructure? Building (sub)urban spaces on the edge of the London city region*.  
 9:00 Chengchao Zuo\*, University of Leeds; Mark Birkin, University of Leeds, *A Simultaneous Model of Demographics, Infrastructure and Economic Development*.  
 Discussant(s): Wendy Larner, University of Bristol

## 1136. Critical Geographies of the Smart City 1

*Room:* Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): David Murakami Wood, Queen's University; Robert Kitchin, National University of Ireland; Torin Monahan, University of North Carolina - Chapel Hill  
 CHAIR(S): David Murakami Wood, Queen's University  
 8:00 Michael Carter\*, Queen's University, *Beyond Big Brother: Surveillance, Security and the Smart City*.  
 8:20 Torin Monahan\*, University of North Carolina - Chapel Hill, *Confronting the Dark Side of "Smart Cities"*.  
 8:40 Francisco Klauser\*, University of Neuchâtel, *Spatialities of power in the smart city*.  
 9:00 Heather Rosenfeld\*, University of Wisconsin - Madison, *The contingencies of control: parasitic information in a smart electric grid*.  
 Discussant(s): Kurt Iveson

## 1137. Trees in the City 1: Biophysical Conditions (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

*Room:* Wrigley, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Tenley Conway, University of Toronto-Mississauga; Shawn Landry, University of South Florida  
 CHAIR(S): Tenley Conway, University of Toronto-Mississauga  
 8:00 Alexandra G. Ponette-González, Ph.D.\*, Department of Geography, University of North Texas; Yareni Perroni, Ph.D., Instituto de Biotecnología y Ecología Aplicada, Universidad Veracruzana; Kathleen C. Weathers, Ph.D., Cary Institute of Ecosystem Studies; Felipe García-Oliva, Ph.D., Centro de

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Investigaciones en Ecosistemas, Universidad Nacional Autónoma de México; Patricia A. de Souza, Ph.D., Departamento de Geoquímica, Universidade Federal Fluminense; William de Mello, Ph.D., Departamento de Geoquímica, Universidade Federal Fluminense, *Atmospheric nitrogen inputs and cycling in montane forests in and near a major tropical city.*

**8:20** Shawn Mayhew-Hammond, MASc\*, Urban Forest Research & Ecological Disturbance (UFRED) Group, Ryerson University; Andrew A Millward, Ph.D., Urban Forest Research & Ecological Disturbance (UFRED) Group, Ryerson University, *The Effectiveness of Tillage Radish® to Improve the Growing Medium for Urban Trees.*

**8:40** Vadim Sabetski\*, Ryerson University; Andrew Millward, Dr., Ryerson University, *Virtual Daylighting: Enhancing Arboriculture Consulting Practices Through Tree Root Location with Ground-Penetrating Radar (GPR).*

**9:00** Andrew A Millward, Ph.D.\*, Urban Forest Research & Ecological Disturbance (UFRED) Group, Ryerson University; Todd Irvine, MFC, ISA Certified Arborist, Bruce Tree Expert Company Ltd., *Influence of Organic Mulch on Soil Characteristics in a Forested Urban Park.*

**9:20** Richard Hallett, Ph.D.\*, USDA - Forest Service NYC Urban Field Station; Nancy Falxa Sonti, M.S., USDA Forest Service, Northern Research Station; Michelle Johnson, Ph.D., USDA Forest Service, Northern Research Station, *Chronic impacts of Hurricane Sandy on New York City's street trees.*

**1138. A Global Food Waste "Tour" I: Exploring the Phenomenon of Food Waste in the Global North and the Global South.**

*Room:* *Acapulco, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Tammara Soma, University of Toronto

CHAIR(S): Keith Lee, University of California, Berkeley

**8:00** Laura Moreno, MA-PhD Student\*, University of California - Berkeley, *Transformation of 'Food' to 'Waste' at the Household Level.*

**8:20** Isabel Urrutia\*, University of Toronto, *Food Waste From Food Literate Households in Waterloo, Canada.*

**8:40** Jordon Lazell\*, Centre for Business in Society, Coventry University, *Food Waste Prevention in Universities: Using social media as a tool for behaviour change.*

**9:00** Annika Wolff\*, TU Darmstadt, *The europeanization of waste regimes: Prevention and preparing for re-use in the national context of Germany.*

Discussant(s): Marie Mourad, Sciences Po Paris - Visiting researcher at UC Berkeley

**1140. Territories of Poverty: Rethinking North and South**

*Room:* *Hong Kong, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Ananya Roy, University of California, Berkeley

CHAIR(S): Ananya Roy, University of California, Berkeley

**8:00** Ananya Roy\*, University of California, Berkeley, *The Aporias of Poverty.*

**8:20** Stuart Schrader\*, New York University, *Territories of Pacification: Globalizing the Great Society.*

**8:40** Emma Shaw Crane\*, New York University, Department of Social & Cultural Analysis, *Gray Areas in Oakland: Development, Pacification, and Participation.*

**9:00** Hiba Bou Akar\*, Harvard University, *Beirut's Geographies of the War Yet to Come.*

Discussant(s): Nik Heynen, University of Georgia

**1141. Carceral Geographies I: Theorisations of Confinement**

*Room:* *New Orleans, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Jennifer Turner, University of Leicester;

Dominique Moran, University of Birmingham

CHAIR(S): Jennifer Turner, University of Leicester

**8:00** Christophe Mincke\*, NICC (National Institute for Forensic Sciences and Criminology), *Prison: Legitimacy Through Mobility?.*

**8:20** Elizabeth A. Brown\*, *Care, carceral geographies, and the reconfiguration of mass incarceration.*

**8:40** Kimberley Peters\*, Aberystwyth University; Jennifer Turner, University of Leicester, *'Unlock the volume': bringing height and depth to carceral mobilities.*

**9:00** Stephanie Figgins\*, Goldsmiths, University of London, *Between the Sheets of the U.S. Deportation Regime.*

Discussant(s): Nick Gill, Exeter University

**1142. Geography and EP Thompson**

*Room:* *Regency A, Hyatt, West Tower, Gold Level* (Panel Session)

ORGANIZER(S): Kathryn Wells, Virginia Tech

CHAIR(S): Patrick Vitale, New York University

Panelists: Don Mitchell, Syracuse University; Carrie Breitbach, DePaul University; Patrick Vitale, New York University; Kathryn Wells, Virginia Tech; Aman Luthra, Johns Hopkins University; Kafui Attah, CUNY Murphy Institute

**1143. Innovative Research on International Migration and Integration**

*Room:* *Regency B, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Magnus Strömberg, Umeå University;

Guilherme Kenji Chihaya, Umea University; Olof Stjernström, Umea University

CHAIR(S): Magnus Strömberg, Umeå University

**8:00** Guilherme Kenji Chihaya\*, Umea University; Magnus Strömberg, Umeå University, *In and Out of the Enclave: Understanding the Residential Attainment of Immigrants over Time Through Sequence Analysis.*

**8:20** Olof Stjernström\*, Umea University, *Validation and integration of non-European immigrants on the Swedish labor market.*

**8:40** Tiit Tammaru\*, Department of Geography, University of Tartu, *Geographies of Home And Work: Early Segregation Dynamics of Non-European Migrants In Sweden.*

**9:00** Johann De La Luz Garcia Valdes\*, University of Illinois - Chicago, *Justice and recognition in urban neighborhoods. Places of cultural encounter and immigration in Santiago, Chile.*

**9:20** Wardlow Friesen\*, University of Auckland, *Evolving dynamics of mobility in New Zealand.*

**1144. The Gendered City I**

*Room:* *Regency C, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Peter Wood, Florida State University; Defne Sarsilmaz, Florida International University

CHAIR(S): Defne Sarsilmaz, Florida International University

**8:00** Amy A. Dobrowolsky\*, University of Washington, *You are not welcome here... or anywhere: transantagonistic spaces in the transphobic city.*

**8:20** Ritwika Biswas\*, Temple University, *The Gendered Politics of Inclusion and Exclusion of Women in Indian City Spaces.*

**8:40** Jennifer Lynn Titanski-Hooper\*, Pennsylvania State University, *Finding the Real Kumica: Gender, Ethnicity, and Tradition in Zagreb, Croatia's Open-Air Markets.*

**9:00** David Baylis\*, Michigan State University, *"Turkish Children Should Live!" Gendered Geographies of Health in the Early Turkish Republic, 1923-1938.*

**9:20** Rafael R. Diaz-Torres\*, University of Puerto Rico at Humacao, *From 'nenas' to fighters: A gender analysis of sports geography in Puerto Rico.*

**1145. Language(s) and Geography**

*Room:* *Regency D, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Melissa J. Tolene Rura, United Methodist

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Neighborhood Centers of Memphis  
 CHAIR(S): Birgit S. Neuer, University of Education Karlsruhe  
**8:00** Birgit S. Neuer\*, University of Education Karlsruhe,  
*Language(s) and Geography. The Importance  
 of Linguistic Sensibility in regards to Concept  
 Development.*

**8:20** Jihwan Yoon\*, University of Tennessee, *Production of  
 Space: The Rule of Language.*

**8:40** Nathalie Lemarchand, Full Professor\*, Université Paris 8,  
 UMR Ladyss; Leblanc Antoine, Associate Professor,  
 Université du Littoral, *Language and scientific  
 production and in the context of globalization: a  
 question for geography and geographers.*

**9:00** Anja Claus\*, Center for Humans and Nature, *A Language to  
 Embody Place: Dynamic, Braided, Wild.*

**9:20** Astrid Weissenburg\*, University of Education Karlsruhe,  
*Plurilingual Views of Space(s).*

**1146. Urbanization and Development on the Chinese Frontier: The  
 Political Stakes of "Progress" (Sponsored by China Specialty  
 Group)**

*Room:* San Francisco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Andrew Grant

CHAIR(S): Andrew Grant

**8:00** Andrew Grant, MA\*, UCLA, *Ambiguous Limits of  
 Expression: The Politics of Tibetan Religion in the  
 Chinese Built Environment.*

**8:20** Karl E. Ryavec\*, University of California - Merced, *A  
 Comparative Survey of Hui Shops in Chinese Muslim  
 Neighborhoods of Beijing and Xining.*

**8:40** Thomas Ptak\*, University of Oregon, *Is small beautiful?  
 Understanding the Energy-Development-Environment  
 nexus in China's Southwest Frontier, Yunnan Province..*

**9:00** Lauren Hansen\*, Cornell University, *Selling Out, Buying  
 In: Polarity, Nodality, and the Uyghur City.*

Discussant(s): Sarah Tynen, University of Colorado

**1147. Plenary Lecture (Sponsored by Cultural and Political Ecology  
 Specialty Group, Human Dimensions of Global Change  
 Specialty Group, Geographies of Food and Agriculture  
 Specialty Group)**

*Room:* Toronto, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Burak Guneralp, Texas A&M University;  
 Jacqueline Vadjunec, Oklahoma State University;  
 Richard J. Aspinall

CHAIR(S): Andrew Millington, Flinders University

Introducer: Andrew Millington

Panelists: Rinku Roy Chowdhury, Indiana University

**1149. Author Beats Critics**

*Room:* Crystal B, Hyatt, West Tower, Green Level (Panel Session)

ORGANIZER(S): Mike Dimpfl, UNC Chapel Hill

CHAIR(S): Mike Dimpfl, UNC Chapel Hill

**1150. RePlacing the Migrant 1: Visibility and Invisibility in  
 Displacement**

*Room:* Crystal C, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Beth Mitchneck, University of Arizona;  
 Jennifer Hyndman, York University

CHAIR(S): Victoria A. Lawson, University of Washington

**8:00** Cetta Mainwaring\*, University of Waterloo, *Negotiating  
 Space and Security: Migrant Agency and Migration  
 Controls on the EU's Southern Periphery.*

**8:20** Asli Ikizoglu\*, University of Minnesota - Minneapolis,  
*Localize to Control, Delocalize to Resist: Asylum-  
 Seeking as Scale-Making.*

**8:40** Keegan Andrew Williams, PhD (candidate)\*, Wilfrid  
 Laurier University, *The Politicisation of Maritime  
 Search and Rescue: Migrant Interdiction and  
 Contested Geographies of the State.*

**9:00** Joanna Regulska\*, Rutgers University; John Legrid, ABD,  
 Rutgers University, *Practice of Place Making in (Dis)*

*placement.*

Discussant(s): Patricia Ehrkamp, University of Kentucky

**1151. Migration and Development in China I (Sponsored by China  
 Specialty Group, Population Specialty Group, Economic  
 Geography Specialty Group)**

*Room:* Stetson A, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Wei Xu, University of Lethbridge; Jianfa Shen,  
 Chinese University of Hong Kong

CHAIR(S): Wei Xu, University of Lethbridge

**8:00** Chuankai Yang\*, The Center for Modern Chinese City  
 Studies, East China Normal University, Shanghai,  
 China; Wei Xu, Department of Geography, The  
 University of Lethbridge, Canada; Ye Liu, Department  
 of Geography and Resource Management, The Chinese  
 University of Hong Kong, Hong Kong; Yuemin  
 Ning, The Center for Modern Chinese City Studies,  
 East China Normal University, Shanghai, China,  
*Staying in the countryside or moving to the city? The  
 determinants of Chinese peasants' migration intention.*

**8:20** Mingfeng Wang\*, East China Normal University; Yuemin  
 Ning, East China Normal University, *Social Integration  
 of Migrants in Shanghai's Urban Villages.*

**8:40** Wenfei Winnie Wang, Dr\*, University of Bristol, *Place  
 effects on migrants' urban settlement intention in  
 China.*

**9:00** Sainan Lin\*, University of Massachusetts, *New Wenzhou?  
 Migration, Metropolitan Spatial Development and  
 Modernity in a third-tier Chinese Model City.*

Discussant(s): Cindy Fan, UCLA

**1152. Beyond MUPE: Exploring diverse theoretical approaches to  
 Urban Political Ecology (Sponsored by Cultural and Political  
 Ecology Specialty Group, Geographic Perspectives on Women  
 Specialty Group, Urban Geography Specialty Group)**

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Panel Session)

ORGANIZER(S): Alida Cantor, Clark University; Jessica Miller,  
 CUNY Graduate Center; Gwendolin Beth McCrea,  
 University of Minnesota

CHAIR(S): Alida Cantor, Clark University

Introducer: Gwendolin Beth McCrea

Introducer: Jessica Miller

Introducer: Alida Cantor

Discussant(s): Dianne E. Rocheleau, Clark University; Matthew  
 Gandy, University College London; Dawn Biehler,  
 University of Maryland Baltimore County

Panelists: Oona Morrow, Clark University; Nathaniel Gabriel,  
 Rutgers University; Kate Derickson, University of  
 Minnesota

**1153. Predicting Structural Heterogeneity of Vegetation using  
 Optical Remote Sensing (Sponsored by Remote Sensing  
 Specialty Group)**

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Rebecca L. Powell, University of Denver

CHAIR(S): Caitlin L. Lippitt, University of New Mexico

**8:00** Thomas Brandt Christiansen\*, The University of Texas  
 at Austin; Kelley A. Crews, The University of  
 Texas at Austin; Thoralf Meyer, The University of  
 Texas at Austin, *Integrating field based vegetation  
 measurements with satellite derived land-cover  
 classes for insights into social-ecological system  
 dynamics along the peripheries of the Okavango Delta,  
 Botswana..*

**8:20** Daniel LeVine\*, University of Texas - Austin; Kelley  
 A Crews, Dr., University of Texas at Austin,  
*Understanding climatological drivers of woody plant  
 encroachment in the Edward's Plateau, Texas.*

**8:40** Will Brewer\*, University of New Mexico, *Remote Sensing  
 of Pinon-Juniper Communities in New Mexico.*

**9:00** Caitlin L. Lippitt, PhD\*, University of New Mexico,  
*Mapping and Monitoring Fractional Vegetation Cover*

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*in California Shrublands using Multiple Endmember Spectral Mixture Analysis (MESMA).*

- 1154. American Geography and Vietnam Forty Years After the Fall of Saigon (Sponsored by Political Geography Specialty Group, Asian Geography Specialty Group, Development Geographies Specialty Group)**  
*Room:* Stetson E, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Jamie Gillen, National University of Singapore  
 CHAIR(S): James A. Tyner, Kent State University  
 Panelists: Jim Glassman, University of British Columbia; Ian G. Baird, The University of Wisconsin - Madison; Trevor J. Barnes, University of British Columbia; Pao Vue; Christian C. Lentz, UNC Department of Geography
- 1155. Session 1 - Development as improvisation? Exploring the significance of improvisation in contemporary development contexts (Sponsored by Development Geographies Specialty Group)**  
*Room:* Stetson F, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Ankit Kumar, University of Durham; Jonathan Nicholas Balls, University of Oxford  
 CHAIR(S): Ankit Kumar, University of Durham  
**8:00** Raihana Ferdous\*, University of Durham, *Improvisation and clash: silent challenge in institutional landscape of rural electrification development programme..*  
**8:20** Jeffrey Masse\*, University of Washington, Department of Geography, *Coping or Culture, or Cultures of Coping? Improvisation, Definition, and Food Security Monitoring in the Karnali Region, Nepal.*  
**8:35** Jonathan Nicholas Balls\*, University of Oxford, *Improvisation, Jugaad and the Informal Market for Off-grid Solar Power in Uttar Pradesh, India.*  
**8:55** Lucas Oesch\*, University of Manchester, *Improvising urban development? Jordanian planning apparatus in Palestinian refugee camps and settlements.*  
**9:15** Kirsten Koop\*, Grenoble Alpes University; Nicolas Senil, Grenoble Alpes University; Pierre-Antoine Landel, Grenoble Alpes University, *The Role of Improvisation within Social Innovation Processes. Insights from Alternative Local Initiatives in Ardèche, France.*  
 Discussant(s): Stephen Young
- 1156. Digital Connectivity, Inclusion, and Inequality at the World's Economic Peripheries (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)**  
*Room:* Stetson G, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Mark Graham, University of Oxford; Christopher Foster, University of Oxford  
 CHAIR(S): Mark Graham, University of Oxford  
**8:00** Christopher Foster\*, University of Oxford; Mark Graham, University of Oxford, *Rethinking digital disintermediation. Evidence from East Africa.*  
**8:20** Abureza M Muzareba\*, The University of Sheffield; Bridgette Wessels, The University of Sheffield, *Information and Communication Technology for Development (ICT4D) in Bangladesh: A story of disconnected connectivity.*  
**8:40** Nancy Ettlinger\*, Ohio State University, *Accumulation by desperation: global crowdsourcing and online work platforms.*  
**9:00** Dorothea Kleine\*, Royal Holloway, University of London; Hannah McCarrick, Royal Holloway, University of London and SIDA, *Digital inclusion, female entrepreneurship and the production of neoliberal subjects - views from Chile and Zambia.*  
**9:20** Lisa Poggiali\*, *Geographies of Exclusion In "Silicon Savannah": Digital Mapping And The Urban Poor In Nairobi, Kenya.*

- 1157. Geographies of Media I: Provocations (Sponsored by Communication Geography Specialty Group)**  
*Room:* Addams, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): John Finn, Christopher Newport University; Laura Sharp, University of Arizona; Joseph Palis, North Carolina State University  
 CHAIR(S): Deborah Hann, Texas State University-San Marcos  
**8:00** Greg Phillip Griffin\*, The University of Texas at Austin, *Crowdsourcing Habermas' Public Sphere: a theoretical inquiry in communication geography.*  
**8:20** Romina Alejandra Alvarez Bove, Periodista, magister hábitat residencial\*, Universidad de Chile, *implications of real estate advertising in the construction of urban imaginaries of nostalgia. vivienda y decoración magazine case..*  
**8:40** Joseph Palis\*, North Carolina State University, *Lost Geographies and Post-Cartographic Cinema.*  
**9:00** Deborah Hann\*, Texas State University-San Marcos, *Beyond Place Names: Geography in Children's Literature.*
- 1158. Sense of Place and Place Geographies I: Methods and Utility of Sense of Place Work (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group)**  
*Room:* Burnham, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Rex Rowley, Illinois State University; Stephanie Willis, University of Kansas  
 CHAIR(S): Rex Rowley, Illinois State University  
 Introducer: Rex Rowley  
**8:20** Tyler Sonnichsen\*, University of Tennessee, *The Flâneur and Flânerie in Geographic Thought.*  
**8:40** Hunter Shobe\*, Portland State University; David Banis, Portland State University, *Understanding Place Narratives: Making the Cultural Atlas of Portland.*  
**9:00** Stephanie Willis\*, University of Kansas, *Placing Sense of Place: The Current Landscape of Humanistic Geography and Sense of Place Methodologies.*  
**9:20** Steven M Schnell\*, Kutztown University, *Incorporating Landscape, Place, and the Subjective into an Introductory Human Geography Class.*
- 1159. HRDSG Session: Protective Actions (Sponsored by Hazards, Risks, and Disasters Specialty Group)**  
*Room:* Dusable, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Laura Kathryn Siebeneck, University of North Texas  
 CHAIR(S): Laura Kathryn Siebeneck, University of North Texas  
**8:00** Virginia G. Silvis\*, University of Oklahoma, *Beyond the Warning: The Relationship Between Tornado Warnings and Sheltering Plans.*  
**8:20** Karen M Wertz\*, Florida State University, *New England Hurricane Evacuation Plans Survey in the aftermath of Hurricanes Irene and Sandy.*  
**8:40** Elia Axinia Machado\*, City University of New York (CUNY); Héctor Tuy, URL (IARNA); Luis Ivan Giron Melgar, Association Vivamos Mejor; Karinn Sandoval Cumes, Centro de Estudios Atitlan (UVG); Monica Orozco, Centro de Estudios Atitlan (UVG); Yuri Gorokhovich, City University of New York (CUNY), *Risk perception and preparedness in Santa Catarina Ixtahuacán (Guatemala).*  
**9:00** Nathan M. Hitchens, Ph.D.\*, Ball State University; David A. Call, Ph.D., Ball State University, *An Assessment of the Preparedness of Large-capacity Sports Venues for Thunderstorm Hazards.*  
**9:20** Laura Kathryn Siebeneck\*, University of North Texas, *Returning After Disaster: Issues, Strategies, and Future Research Directions.*

**TUESDAY, APRIL 21 • 8:00 AM - 9:40 AM • 1100****1160. Socioeconomic and Ecological Transformations of South American Agriculture***Room: Field, Hyatt, West Tower, Silver Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Emilie Lavie, University Paris-Diderot

**8:00** Jordan Graesser\*, McGill University, Montreal, Canada, *The agricultural transformation in southern South America.***8:20** Lee Mackey\*, University of California, Los Angeles, *The Rise of Agroindustrial Firms from Brazil and the Restructuring of Production Chains in Latin America.***8:40** Williams M. Castro\*, University of Florida; Robert Walker, University of Florida, *Mechanized agriculture in the Amazonian Forest Biome, Impacts on Smallholders and Landscapes.***9:00** Emilie Lavie\*, University Paris-Diderot, France; Anaïs Marshall, University Paris 13 Nord, France; Santa Esmeralda Salatino, Instituto Nacional del Agua, Mendoza, Argentina; José Antonio Morabito, Instituto Nacional del Agua, Mendoza, Argentina, *Socio-spatial structure mutations of some Argentinian oases from the 2000s' crisis.***1161. Availability and Use of Information Resources by Geographers***Room: Horner, Hyatt, West Tower, Silver Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Nils Markusson

**8:00** Kelly A. Lemig\*, USGS, *Navigating the World of Data Access.***8:20** Linda Zellmer\*, Western Illinois University, *Searching the Geographical Literature: An Analysis of Research Resources.***8:40** Jie Zheng\*, WuHan university, *Bibliometric Analysis Association of American Geographers from 1911 to 2014.***9:00** Paul Rogé\*, Michigan State University; Daniel Kane, Michigan State University; Sieglinde Snapp, Michigan State University, *Network analysis of literature on perennial grains.***9:20** Nils Markusson\*, Lancaster University, UK, *'Something Old, Something New, Something Borrowed, Something Blue': Tracing Continuity And Novelty In The Emergence of Geoengineering Using Wikipedia Data.***1162. Mobility Transitions 1 (Sponsored by Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group, Transportation Geography Specialty Group)***Room: McCormick, Hyatt, West Tower, Silver Level (Paper Session)*

ORGANIZER(S): Tim Cresswell, Northeastern University

CHAIR(S): Tim Cresswell, Northeastern University

**8:00** Tim Cresswell\*, Northeastern University, *Conceptualizing Mobility Transitions.***8:20** Anna Plyushteva\*, University College London, *Commuting Transitions.***8:40** Jane Yeonjae Lee\*, Northeastern University; Cristina Temenos, Northeastern University, *Gateways, portals, links, and nodes: Assembling visions and actualities of mobility transition policies.***9:00** Allison Hui\*, Lancaster University, *Prefiguring future mobilities with ambiguous objects: reconsidering relationships between electric vehicles, energy infrastructures and everyday practices.***9:20** Victoria J Wood, Dr\*, Newcastle University; Jayne Jeffries, Dr, Newcastle University; Rob Comber, Dr, Newcastle University; Madeline Bassam, Dr, Newcastle University; Guy Schofield, Dr, Newcastle University; Tom Bartindale, Dr, Newcastle University, *MyPlace: Re-imagining new mobilities in the Age Friendly City.***1163. Back to the Future: Engaging Participants, Revisiting Plans on the Ground***Room: Ogden, Hyatt, West Tower, Silver Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Stella Darby, University of Leeds

**8:00** Dina Subkhankulova\*, UCL Energy Institute, UCL SECRiT, UCL; Ed Manley, Centre for Advanced Spatial Analysis (CASA), UCL; Mark Barrett, UCL Energy Institute, UCL, *Agent-Based Simulation - An Application to the Electricity Market Reform.***8:20** Zhu Liu\*, Harvard University, *A sustainability matrix based on environmental expanded input-output model.***8:40** Hubert B. Stroud\*, Arkansas State University, *Resolving Problems Created by Interstate Land Sales Operations: The Case of Gulf American Corporation.***9:00** Stella Darby, PhD student\*, University of Leeds, *Creative processes for collective working: strengthening shared values with limited resources using Participatory Action Research.***1164. Travel satisfaction (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Transportation Geography Specialty Group)***Room: Wright, Hyatt, West Tower, Silver Level (Paper Session)*

ORGANIZER(S): Jonas De Vos, Ghent University; Patricia L. Mokhtarian, Georgia Institute of Technology; Frank Witlox, Ghent University

CHAIR(S): Frank Witlox, Ghent University

**8:00** Jonas De Vos\*, Geography Department, Ghent University; Tim Schwanen, Transport Studies Unit, School of Geography and the Environment, University of Oxford; Veronique Van Acker, Centre for Urban Studies, University of Amsterdam; Frank Witlox, Geography Department, Ghent University, *Does a satisfying trip result in more future trips with that mode?.***8:18** Donggen Wang\*, Hong Kong Baptist University; Fenglong Wang, Department of Geography, Hong Kong Baptist University, *Residential Relocation and Change in Travel Satisfaction in Beijing, China.***8:36** Eric A Morris, Ph.D.\*, Clemson University; Erick Guerra, Ph.D., University of Pennsylvania, *Mood and Mode: Does How We Travel Affect How We Feel?.***8:54** Patricia L Mokhtarian\*, Georgia Institute of Technology; Giovanni Circella, Georgia Institute of Technology; Javier Ramirez, Politecnico di Torino; Marco Diana, Politecnico di Torino, *The Impact of Activities while Traveling on the Subjective Valuation of Travel Time.***9:12** Dick Ettema\*, Utrecht University, *Favourite Places and Needs: Implications for Frequency and Duration of Leisure Trips.*

Discussant(s): Dick Ettema, Utrecht University

**1165. Critical geographies of policy I: Conceptualizing policy and global circuits of knowledge (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)***Room: Michigan A, Hyatt, East Tower, Ped Path (Paper Session)*

ORGANIZER(S): Eugene McCann, Simon Fraser University; Kevin Ward, University of Manchester

CHAIR(S): Kevin Ward, University of Manchester

**8:00** Rachel Bok\*, National University of Singapore; Neil M Coe, National University of Singapore, *Understanding Policy Mobilizations Through the Commodification of "Policy".***8:20** Elizabeth Rapoport, MSc, EngD\*, University College London, *Smart, sustainable, creative, resilient: Strategic urban planning and the homogenisation of urban policy.***8:40** Julie De Dardel\*, University of Neuchâtel, *Drug policy reform as globalizing discourse and political debate.***9:00** Cristina Temenos\*, Northeastern University, *Assembling*



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*Policies, Networking Resistances: Exploring Transnational Policy Activism and Institutional Infrastructures.*

- 9:20 Kalervo N. Gulson, PhD\*, University of New South Wales; Sam Sellar, PhD, University of Queensland, *Topologies of Policy Analysis: The Mobility of Data and Data Infrastructures in Education.*

**1166. Political Geography of the U.S.**

Room: Michigan B, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): William Walton

- 8:00 Daniel Rogers\*, CUNY Graduate Center, *Fixity, Motion, and Misrepresentation: The Undemocratic Constitutional Geography of Congressional Constituencies.*

- 8:20 Kejin Cui\*, University At Buffalo, *A Revised Algorithm on Political Districting Problems.*

- 8:40 Larry Joe Morgan, PhD GISP\*, Jacksonville State University; David Rickless, Jacksonville State University, *Location Quotients as a tool to (Re) evaluate Potential Economic Impacts of Alabama's House Bill 56 (HB-56): Unintended Consequences of Strict Immigration Laws.*

- 9:00 William Walton, Barrister, Senior Lecturer in Law\*, Northumbria University, *The future for off-reservation Tribal gaming development for non-Federally recognised tribes.*

**1167. Critical Pedagogy in Geography I: Expanding Critical Geography: K12, AP, GIS, & Physical Geography (Sponsored by Socialist and Critical Geography Specialty Group)**

Room: Michigan C, Hyatt, East Tower, Ped Path (Panel Session)

ORGANIZER(S): Katrinka C. Somdahl-Sands, Rowan

University; John Finn, Christopher Newport University

CHAIR(S): Katrinka C. Somdahl-Sands, Rowan University

Introducer: Katrinka C. Somdahl-Sands

Discussant(s): Salvatore Engel-DiMauro, SUNY New Paltz;

Joaquin Villanueva, Gustavus Adolphus College

Panelists: Ben Alan Gerlofs, Rutgers University; Stephen Boatright, CUNY Graduate Center; Jamison R. Miller, College of William and Mary; John Finn, Christopher Newport University; Erin DeMuyne, University of Wisconsin - Fox Valley; Timur Hammond

**1168. Geographies of the Holocaust and Genocide I: Geographies of Totalitarianism (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)**

Room: Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Joshua Hagen, Marshall University

CHAIR(S): Christina E. Dando, University of Nebraska-Omaha

- 8:00 Joshua Hagen\*, Marshall University, *Totalitarianism, Settlement Planning, and the Building of Nazi Germany: Planning for the New Town in the Third Reich.*

- 8:20 Ulrich Best\*, York University, *"The US delegation was always very popular": The organisation of US-Soviet encounter at the Artek youth camps.*

- 8:40 Steven Douglas Moore, Ph.D.\*, Center for Spatial Studies; Sharon Oster, Ph.D., University of Redlands; David Smith, GIST, University of Redlands, *Story Mapping Holocaust Memoirs.*

Discussant(s): Natalie R. Koch, Syracuse University

**1169. Political Ecology and Social-Ecological Interactions of Food Production and Systems I: Social and Ecological Sustainability (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

Room: Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Russell Hedberg, Pennsylvania State

University; Karl S. Zimmerer, Pennsylvania State University

CHAIR(S): Russell Hedberg, Pennsylvania State University

- 8:00 Julie Guthman\*, University of California, Santa Cruz; Sandy Brown, University of San Francisco, *From forests to Styrofoam: the changing socio-nature of strawberry production.*

- 8:20 Ryan Edward Galt\*, University of California - Davis, *Trade-offs within sustainability frameworks: considering civic agriculture and well-being.*

- 8:40 Russell Hedberg\*, Penn State, *'Coming out of the Foodshed': Elemental Flows and the Challenge of Placing Local Food Systems.*

- 9:00 Catherine Pickering\*, Griffith University; Jason A Byrne, PhD, Griffith University, *Thought for food: towards a political ecology of community gardens.*

**1173. Dendrochronology I: Dendroclimatology (Sponsored by Climate Specialty Group, Biogeography Specialty Group)**

Room: Lucerne 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Christopher M. Gentry, Austin Peay State

University; Stockton Maxwell, Radford University;

Bethany Coulthard, University of Victoria Tree Ring Laboratory

CHAIR(S): Stockton Maxwell, Radford University

- 8:00 Justin Maxwell, PhD\*, Indiana University, *Preliminary findings for annual growth rings in tropical mangrove species from Bangladesh and Florida, USA.*

- 8:20 Bethany L Coulthard\*, University of Victoria Tree-Ring Laboratory; Dan J Smith, Dr., University of Victoria Tree-Ring Laboratory, *A 477-year dendrohydrological reconstruction of low-flow season runoff for Tsbale River, British Columbia, Canada.*

- 8:40 Sara A Allen, BA, BS\*, UW-Platteville; Evan R Larson, PhD, UW-Platteville, *Establishing the Long-Term Range of Variability in Drought Conditions for Southwest Wisconsin Using Oak Tree Chronologies.*

- 9:00 Trevis J Matheus\*, Indiana University Bloomington; Justin T Maxwell, Indiana University Bloomington, *A Tree-Ring Reconstruction of Droughts and Inter-Regional Comparisons of Teleconnections in the Midwest, USA.*

- 9:20 Stockton Maxwell\*, Radford University; Soumaya Belmecheri, Penn State University; Alan Taylor, Penn State University; Ken Davis, Penn State University, *It's about time: identifying critical climate periods in tree-ring analysis.*

**1174. Spatiotemporal Symposium: Big Data Sciences (Sponsored by Cyberinfrastructure Specialty Group)**

Room: Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Zhenlong LI, George Mason University; Mei Li, George Mason University; Jizhe Xia

CHAIR(S): Chaowei Yang, George Mason University

- 8:00 Chaowei Yang\*, George Mason University, *Spatiotemporal Innovation in the Cloud Computing and Big Data Era.*

- 8:20 David Strohschein, Harvard University; Stephen McDonald, Harvard University; Benjamin Lewis, Harvard University; Weihe Wendy Guan\*, Harvard University, *Investigating Hadoop for Large Spatiotemporal Processing Tasks.*

- 8:40 Alexander Hohl\*, University of North Carolina at Charlotte; Eric Delmelle, University of North Carolina at Charlotte; Wenwu Tang, University of North Carolina at Charlotte, *3D domain decomposition for parallel processing of massive spatiotemporal geographic data.*

- 9:00 Wenwu Tang\*, University of North Carolina at Charlotte; Wenpeng Feng, University of North Carolina at Charlotte; Jing Deng, University of North Carolina at Charlotte; Meijuan Jia, University of North Carolina at Charlotte, *Cyber-enabled parallel spatial simulation of large-scale land change.*

- 9:20 Fei Hu\*, Zhenlong Li, Chaowei Yang, *Developing a*



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*Hadoop-based Middleware for Handling Big Climate Data.*

**1175. Economic Geography I - Evolutionary Economic Geography: Selection, Networks, Structure and Space (Sponsored by Economic Geography Specialty Group)**

*Room:* Lucerne 3, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University College Dublin; David L. Rigby, UCLA; Jennifer Clark, Georgia Institute of Technology

CHAIR(S): Dieter Franz Kogler, University College Dublin

**8:00** Teresa Farinha Fernandes\*, Utrecht University; Pierre-Alexandre Balland, Utrecht University; Andrea Morrison, Utrecht University, *Skills relatedness and employment structure renewal in US metropolitan areas.*

**8:20** Taner Osman, PhD\*, UCLA, *Understanding the Geographical Evolution of the IT Industry within the San Francisco Bay Area, 1990-2010.*

**8:40** Raphael Suire\*, University of Rennes 1, *Nodes and links factory : How Fab-Labs interplay with knowledge networks ?.*

**9:00** Josephine V. Rekers\*, Lund University; Markus Grillitsch, Lund University, *Revisiting the role of selection in evolutionary economic geography.*

Discussant(s): Richard Shearmur, McGill University

**1176. Tourism Moralities and Mobilities 1: Natures-Cultures-Politics (Sponsored by Recreation, Tourism, and Sport Specialty Group)**

*Room:* Alpine 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Bryan SR Grimwood, University of Waterloo; Kellee Caton, Thompson Rivers University

CHAIR(S): Bryan SR Grimwood, University of Waterloo

**8:00** Daniel McRoberts, PhD student\*, University of Waterloo, *Rites of responsible passage? The disciplining discourse of volunteering in Banff National Park.*

**8:20** Bruce Erickson\*, University of Manitoba, *The Neoliberal Tourist: Ecotourism and Moralities of Value.*

**8:40** Lisa Cooke\*, Thompson Rivers University, *When Mobility Hits a Moral (and Political) Roadblock: Contested Places at Skwelkwet'welt / Sun Peaks British Columbia..*

**9:00** Allison Holmes, M.A. Candidate\*, University of Waterloo; Bryan S.R. Grimwood, Assistant Professor, University of Waterloo; Lauren King, Ph.D. Candidate, University of Waterloo; Terri Enzoe, Community Research Associate, Lutsel K'e Dene First Nation; Lutsel K'e Dene First Nation, *An indigenized code of conduct: Mobilizing Denesoline expectations for responsible visitor behaviour on traditional lands.*

Discussant(s): Anne-Marie D'Hauteserre, University of Waikato

**1177. The relational geographies of Environmental Health I: Critiquing determinism and the "tyranny of evidence" (Sponsored by Socialist and Critical Geography Specialty Group, Health and Medical Geography Specialty Group, Indigenous Peoples Specialty Group)**

*Room:* Alpine 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Aaron Franks, Queen's University; Jeffrey R. Masuda, Queen's University; Heather E. Castleden, Queen's University

CHAIR(S): Aaron Franks, Queen's University

**8:00** Candice M. Christmas, MA\*, York University, *Cosmopolitan Ecology: Reinstating the Role of the Nation-State to Achieve Social and Environmental Justice.*

**8:20** Jonathan Peyton\*, University of Manitoba, *Silent Epistemologies: Managing Uncertainty and Encountering the Bakken in the Canadian Prairies.*

**8:40** Paul Sylvestre\*, Queen's University; Heather Castleden, PhD, Departments of Geography and Public Health

Sciences, Queen's University; Debbie Martin, PhD, School of Health and Human Performance, Dalhousie University; Mary McNally, PhD, Faculty of Dentistry, Dalhousie University, *Community-Based Participatory Indigenous Health Research in Canada: Implementing 'Relationships First' Agenda in Order to Navigate Paradoxical Community-University Spaces for Doing 'Good' Research.*

**9:00** Nicole M. Glenn, PhD\*, Université De Montreal; Katherine L Frohlich, PhD, Université de Montréal; Julie Vallée, PhD, CNRS Paris, *The ethical and pedagogical possibilities for phenomenological research on socio-spatial inequalities in health.*

**9:20** Catherine Jampel\*, Clark University, *Places sit in bodies: Capitalist food regimes at the cellular level.*

**1178. Accessibility and Active Travel**

*Room:* Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Darren M. Scott, McMaster University

**8:00** Brittany Wood\*, Florida State University, *Measuring Spatial Disparities in Disadvantaged Populations: A Literature Review of Individual Space-Time Accessibility.*

**8:20** Martin Swobodzinski\*, Portland State University, *Markers of participant attrition in web-based participatory transportation planning.*

**8:40** Yu-Eng Chen\*, Department of Geography, National Taiwan University, Taiwan; Jen-Jia Lin, Department of Geography, National Taiwan University, Taiwan, *A Route Design Model for Planning a Multi-day Bike Travel.*

**9:00** Stephen M. O'Connell\*, University of Central Arkansas, *Data Accuracy, Accessibility, and Recreation Assessments in GIS.*

**9:20** Darren M. Scott, PhD\*, McMaster University, *Telework and Active Travel: Determinants of Mode Choice for Discretionary Trips.*

**1179. International Organizations for Planning of Cities and Urban Regions 1 (Sponsored by Latin America Specialty Group, Qualitative Research Specialty Group, Development Geographies Specialty Group)**

*Room:* St. Moritz, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Betty Elaine Smith, Eastern Illinois University; Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul

CHAIR(S): Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul

**8:00** Jill Wigle, PhD\*, Carleton University, *Enacting Informality, Regulating Space in Mexico City.*

**8:20** Frank Mueller\*, Universidad Federal de Rio de Janeiro, *Doing Informality and Everyday State Formation in Mexico City.*

**8:40** Roger Panetta, Ph.D.\*, Fordham University, *Brooklyn and the Transformation of the City's Edge.*

**9:00** Emily Kaufman\*, University of Kentucky, *Bryant Park as a Site of Production: Revenue and Social Control.*

**9:20** Joel Outtes\*, GEST, UFRGS-Univ Fed Rio Gde Do Sul; Thiago Mauer, GEST- Group for the Study of Societies and Territories, UFRGS, *From Garden-Cities to the Adaptation of the City to New Information and Communication Technologies: The Geography of the International Federation for Housing and Planning (1913-1992)..*

**1180. Geographic Perspectives on Entrepreneurship: Factors, Processes, and Disparities 1 (Sponsored by AAG Jobs and Careers Theme, Economic Geography Specialty Group, Business Geography Specialty Group)**

*Room:* Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Yasuyuki Motoyama, Ewing Marion Kauffman Foundation; Haifeng Qian, University of Iowa; Elizabeth Mack, Arizona State University

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**8:00** Elizabeth Mack\*, Arizona State University; Scott Kelley, Arizona State University, *A Hierarchical Approach to Evaluating the Survivability of Entrepreneurial Ventures*.

**8:20** Ben Spigel, PhD\*, University of Edinburgh Business School, *The Relational Dynamics and Governance of Entrepreneurial Ecosystems: Evidence from Edinburgh*.

**8:40** Rolf Dieter Schlunze, Professor Dr.\*, Ritsumeikan University, *Does Chinese entrepreneurs' guanxi networking matter to business success in Japan?*

**9:00** Haifeng Qian\*, University of Iowa, *The role of anchor universities in entrepreneurial development of U.S. college towns*.

Discussant(s): Murray Rice, University of North Texas

**1181. The Caribbean at the Crossroads of Global Change I: Exploring the Human-Environment Nexus (Sponsored by Hazards, Risks, and Disasters Specialty Group)**

Room: Verbier, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Kevon Rhiney, University of the West Indies - Mona; April Karen Baptiste, Colgate University

CHAIR(S): April Karen Baptiste, Colgate University

**8:00** Mary Schorse\*, University of Delaware, *Sustainability Assessment, Community Engagement, and Socio-Ecological Resilience*.

**8:20** Cavell S. Francis\*, University of the West Indies, *Farmers' perception, knowledge and understanding of food security and climate change: Implications for Adaptation Planning in Jamaica*.

**8:40** Mario Reinaldo Machado\*, Pennsylvania State University, *Food Sovereignty and Alternative Food Systems in Cuba*.

**9:00** Kevon Rhiney, PhD\*, University of the West Indies - Mona; Tania Lopez Marrero, PhD., University of Puerto Rico; Tashanna Walker, University of the West Indies - Mona, *Building 'Climate Resilient' Urban Communities in the Caribbean: Insights from Jamaica and Puerto Rico*.

**9:20** April Karen Baptiste, PhD\*, Colgate University, *Multidimensional perspectives of the Goat Island, Jamaica logistics hub controversy*.

**1182. Journals, markets, and knowledge: the political economy of academic publishing I (Sponsored by Economic Geography Specialty Group)**

Room: 100 Classroom, University of Chicago Gleacher Center, 1st Floor (Paper Session)

ORGANIZER(S): Christopher Muellerleile, University of Bristol; Anssi Paasi, University of Oulu

CHAIR(S): Christopher Muellerleile, University of Bristol

**8:00** Lawrence D. Berg\*, University of British Columbia, *Accumulation by Dispossession, Knowledge Enclosure and Shifting Supply-Chain Relations of Scholarly Publishing during Late Liberalism*.

**8:20** Chris Muellerleile\*, University of Bristol, *Open Access, Closed Economy?*

**8:40** Simon P J Batterbury\*, University of Melbourne, *'DIY' Open Access journal publishing: lessons from the front line*.

**9:00** Anssi Paasi\*, University of Oulu, *From 'Anglophone hegemony' to a global neoliberal regime: the changing geopolitics/economy of knowledge*.

**9:20** Kris Olds\*, University of Wisconsin-Madison, *Open Educational Resources vs Enclosed Geographies of Knowledge*.

**1183. Historical Migration**

Room: 200 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Melissa J. Tolene Rura, United Methodist

Neighborhood Centers of Memphis

CHAIR(S): Charlene Portell-Rivera, University of Puerto Rico  
**8:00** Charlene Portell\*, University of Puerto Rico, *Returning to the Island: Migration back to Puerto Rico in the New Century*.

**8:20** Austin C. Swift\*, University of Miami, *Refugee Geographies: Mapping the Tent Cities of Port-au-Prince, Haiti*.

**8:40** Shimantini Shome\*, *The American Dream: Stories of Somali Refugee women from the American Heartland*.

**9:00** Zengwang Xu\*, University of Wisconsin - Milwaukee, *Age and Spatial Patterns in the US county-specific net migration 1950-2010: A multi-scale investigation*.

**1184. Diversifying Geography: The Power of Narratives, Narratives of Power (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)**

Room: 203 Classroom, University of Chicago Gleacher Center, 2nd Floor (Panel Session)

ORGANIZER(S): Sertanya Reddy, Darius Scott, University of North Carolina - Chapel Hill

CHAIR(S): Elizabeth A. Olson, UNC-Chapel Hill

Panelists: Sertanya Reddy; Sean H. Wang, Syracuse University; Darius Scott, University of North Carolina - Chapel Hill; LaToya Eaves, Florida International University; Sapana Doshi, University of Arizona, Tucson

**1185. Cognition, Behavior and Design, I: Cognitive and Behavioral Assessments (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)**

Room: 204 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Amy Griffin, UNSW Canberra; Kenneth Field, Esri; Rui Li, SUNY - Albany

CHAIR(S): Amy Griffin, UNSW Canberra

**8:00** Zbynek Sterba\*, Masaryk University; Cenek ?a?inka, Masaryk University; Zdenek Stachon, Masaryk University; Jiri Cenek, Masaryk University; Stephan Angsuesser, Wuhan University, *Intercultural differences in map perception*.

**8:20** Travis White\*, University of Kansas, *User Assessment Methods in Cartographic Experiment Design*.

**8:40** Thomas J. Pingel\*, Northern Illinois University; Nicole LaDue, Ph.D., Northern Illinois University; Sheldon Turner, Ph.D., Northern Illinois University, *Spatial Ability and Individual Differences in the Use of Perceptually Shaded Slope Maps*.

**9:00** Mark Simpson\*, Pennsylvania State University; Alexander Klippel, Pennsylvania State University; Kai-Florian Richter, University of Zurich; Jan Oliver Wallgrün, Pennsylvania State University, *Quantifying Spaces, Understanding Minds*.

**9:20** Rui Li\*, University at Albany, State University of New York; Angela Schwering, Institute for Geoinformatics, University of Muenster; Amichi Korda, Institute for Geoinformatics, University of Muenster; Maurin Radtke, Institute for Geoinformatics, University of Muenster, *Supporting Cognitive Wayfinding With Displayed Off-Screen Landmarks On Mobile Systems*.

**1187. #CritGIS: Pedagogies of Critical GIS**

Room: 303 Classroom, University of Chicago Gleacher Center, 3rd Floor (Panel Session)

ORGANIZER(S): Alexander Tarr, UC Berkeley Geography; LaDona G. Knigge, California State University, Chico

CHAIR(S): Alexander Tarr, UC Berkeley Geography

Discussant(s): Francis Harvey, University of Minnesota - Minneapolis; Clinton Davis, Temple University

Panelists: Matthew W. Wilson, Harvard University; Ellen Kersten, University of California - Berkeley; LaDona G.

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Knigge, California State University, Chico; Alexander Tarr, UC Berkeley Geography

**1188. Spatial Data Mining and Big Data Analytics (1) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**

**Room:** 304 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Diansheng Guo, University of South Carolina; May Yuan, University of Texas - Dallas; Harvey J. Miller, The Ohio State University

CHAIR(S): Luke Richard Barnesmoore, University of British Columbia

**8:00** Guy Lansley\*, UCL; Adnan Muhammad, UCL; Paul Longley, UCL, *The geography of topics from geo-referenced social media data in London.*

**8:20** Yue Li, School of Civil Engineering, Purdue University; Jie Shan\*, Purdue University, *Mining Geo-tagged Tweets: a Study of Four Midwest College Cities.*

**8:40** Yuan Huang\*, University of South Carolina; DianSheng Guo, Dr, University of South Carolina, *Mapping US dialect boundaries by querying social media.*

**9:00** Jing Li\*, University of Denver; Tong Zhang, Wuhan University; David Wong, George Mason University, University of Hongkong, *Remote visualization of open geospatial data: a view-dependent saliency driven approach.*

Discussant(s): Luke Richard Barnesmoore, University of British Columbia

**1191. Breaking Borders: Recent events in Russia and its near abroad (Sponsored by Russian, Central Eurasian, and East European Specialty Group, European Specialty Group)**

**Room:** 422 Classroom, University of Chicago Gleacher Center, 4th Floor (Panel Session)

ORGANIZER(S): Andrew Ryder, University of Portsmouth

CHAIR(S): Andrew Ryder, University of Portsmouth

**1192. Decolonization, resistance and resurgence I :: Anishinaabeg resurgence - Re-honoring land-based practices and kinship relations (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**

**Room:** 600a Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Margaret Marietta Ramirez, University of Washington, Seattle; Michelle D. Daigle, University of Washington

CHAIR(S): Marisa Elena Duarte, University of Illinois

**8:00** Adam Barker, PhD\*, *The World We Want to Live In: Building Settler Geographies of Decolonization.*

**8:20** Michelle D. Daigle, Ph.D., University of Washington, *Mino-Bimaadiziwin: Re-rooting Food Sovereignty in Resurgent Indigenous Geographies.*

**8:40** Madeline Whetung\*, University of Toronto, *izhichigeyaang: Performative Research and Anishnaabeg Resurgence.*

**9:00** Olivia Whetung\*, University of British Columbia, *izhichigeyaang: Performative Research and Anishnaabeg Resurgence Part II.*

Discussant(s): Marisa Elena Duarte, University of Illinois

**1193. Agrobiodiversity and Food Security/Sovereignty: Unpacking the paradox (Sponsored by Rural Geography Specialty Group)**

**Room:** 600b Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Alder Keleman, Yale University

CHAIR(S): Alder Keleman, Yale University

**8:00** Chelsea A Wills, MFA, Portland State University; Devon D. Sampson, PhD Candidate\*, University of California, Santa Cruz, *Integrating Scientific and Cultural*

*Approaches to Understanding the Relationship Between Agrobiodiversity and Food Security.*

**8:20** Stephen Wood\*, Columbia University, *Nutritional diversity in Senegal: moving beyond yields to understand drivers of smallholder food security.*

**8:40** Alder Keleman, MA, MEd, MPhil\*, Yale University, *Agrobiodiversity and Food Security in Cochabamba, Bolivia: Examining household consumption of native and traditional crops along an ecoregional transect.*

**9:00** Andrew D Jones, PhD\*, University of Michigan, *Examining the linkages between agrobiodiversity and food and nutrition security in Nigeria.*

Discussant(s): Karl S. Zimmerer, Pennsylvania State University

**1194. Big projects, mega complexity, gigantic impacts I: urban mega-projects**

**Room:** 602 Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Martin Müller, Universität Zürich; Christopher Gaffney, Universidade Federal Fluminense; Eva Kassens-Noor, MSU

CHAIR(S): Stanley D. Brunn, University of Kentucky

**8:00** Annick Leick\*, Institute of Geography and Spatial Planning, University of Luxembourg, *Large-scale urban development projects: how to define, delineate, demarcate?.*

**8:20** CAGRI CARIKCI, PhD\*, Istanbul University, *State, Capital and Hegemony: Political Economy of the Large Scale Urban Projects in Istanbul.*

**8:40** Elena Trubina\*, Ural Federal University, *"In "The Shadow of the Skyscraper": the spectral verticality of central business districts".*

**9:00** Jung Won Sohn, Ph.D.\*, University College London; HaeRan Shin, Ph.D., Seoul National University; Se Hoon Park, Korean Research Institute for Human Settlement, *Mega Urban Project and Two Competing Accumulation Strategies: Negotiating Discourses of Songdo New City Development.*

**9:20** Stefano Di Vita\*, Politecnico di Milano, *Mega-projects and events VS urban regeneration: un-sustainability and innovation within the metamorphosis of Milan in the year of Expo 2015.*

**1195. Critical Geographies of the US Farm Bill Policy & Politics (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

**Room:** 604 Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Garrett Graddy-Lovelace, American University School of International Service; Adam Diamond, American University

CHAIR(S): Garrett Graddy-Lovelace, American University School of International Service

Introducer: Garrett Graddy-Lovelace

**8:10** Joshua Lohnes\*, West Virginia University; Wilson Bradley, West Virginia University, *States of Emergency: Reflections from West Virginia on Food Security and the Farm Bill.*

**8:25** Landon Yoder\*, Indiana University, *The Institutional Dynamics of Water Management in the Everglades Agricultural Area.*

**8:40** Bruce A. Scholten, PhD\*, University of Durham, UK, *U.S. Organic Dairy Politics: Irrational exuberance on the 2014 Farm Bill?.*

Discussant(s): Adam Diamond, American University; Renata Blumberg, Montclair State; Connie Johnston, University of Oregon

**TUESDAY, APRIL 21 • 8:00 AM - 9:40 AM • 1100**

- 1197. Post-rational migration 1: desire, aspiration and migrant subjects (Sponsored by Population Specialty Group)**  
**Room:** 621 Executive Dining Room, University of Chicago Gleacher Center, 6th Floor (Paper Session)  
 ORGANIZER(S): Francis L. Collins, University of Auckland  
 CHAIR(S): Francis L. Collins, University of Auckland  
**8:00** Parvati Raghuram\*, The Open University, *Theorising the entangled spaces of migrant subjects*.  
**8:20** Jørgen Carling, Prof.\*, Peace Research Institute Oslo (PRIO), *Picturing Pictures of Being Elsewhere: The Epistemological Medley of Migration Aspirations*.  
**8:40** Francis L. Collins\*, University of Auckland, *Decisions and Dreams: mobility, desire and becoming in migrant lives*.  
**9:00** Tanja Bastia, PhD\*, University of Manchester, *Entrepreneurial grannies: migration dreams and aspirations of the migrants' elderly parents*.  
 Discussant(s): Eleonore Kofman, Middlesex University

**TUESDAY, APRIL 21 • 10:00 AM - 11:40 AM • 1200**

- 1201. Diffusion of Cultural and Physical Resources Prior to the Time of Columbus' First Voyage**  
**Room:** Skyway 260, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Carl L. Johannessen, University of Oregon  
 CHAIR(S): Carl L. Johannessen, University of Oregon  
 Panelists: Kent Mathewson, Louisiana State University; Carl L. Johannessen, University of Oregon; Stephen C. Jett, University of California - Davis
- 1202. Geography and Design II: Geographic Design Research**  
**Room:** Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Eric M. Huntley, University of Kentucky; Matthew W. Wilson, Harvard University  
 CHAIR(S): Eric M. Huntley, University of Kentucky  
 Introducer: Eric M. Huntley  
**10:10** Adam Kaasa\*, Royal College of Art, *Concrete Publics: Architecture and the Imagined Geographies of Post-War London*.  
**10:30** Brent Sturlaugson\*, Yale University, *Housing Power on Pine Ridge Reservation*.  
**10:50** Conor O'Shea, BLA, MLA, MDes, Visiting Assistant Professor\*, Illinois Institute of Technology, College of Architecture, Landscape Architecture Program, *Logistical Urbanization: Interiorization and Exteriorization of Port Activities*.  
**11:10** William Andreas Viglakis\*, Mapbox, *The Party Line*.  
 Discussant(s): Matthew W. Wilson, Harvard University

- 1205. Cybergeography**  
**Room:** Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Program Committee  
 CHAIR(S): James B. Pick, University of Redlands  
**10:00** Joe Blankenship\*, Cyber Geography Research Institute (Independent Non-profit pending establishment), *Cyber Geography and the Manifest Destiny of the 21st*

- Century*.  
**10:20** Jie Lin\*, Department of Earth Science, Zhejiang University; Robert G. Cromley, Department of Geography, University of Connecticut, *Geo-located Twitter and Its Combination with Other Control Data for Areal Interpolation of Population*.  
**10:40** Xiaomeng Chang\*, Shenzhen University, China; Qingquan Li, Shenzhen University, China; Yang Yue, Shenzhen University, China; Shih-Lung Shaw, University of Tennessee (Knoxville), *Distance in Virtual Space*.  
**11:00** Eric Frederick, AICP, LEED AP\*, Michigan State University, *Filling the Infrastructure Gap: A multi-variable spatial analysis of Michigan's broadband service*.  
**11:20** James B. Pick\*, University of Redlands; Avijit Sarkar, University of Redlands; Jeremy Johnson, University of Redlands, *Global Digital Divide: Geographic Patterns and Rapid Change, 2000-2013*.
- 1206. Broadening Participation of Women and Minority university students in STEM through online learning (Sponsored by AAG Jobs and Careers Theme, Geography Education Specialty Group, Geography and Online Education Theme)**  
**Room:** Skyway 273, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Mandy Munro-Stasiuk, Kent State University; Rebecca Kim Parylak, Kent State University, Kent OH  
 CHAIR(S): Mandy Munro-Stasiuk, Kent State University  
 Panelists: Rebecca Kim Parylak, Kent State University, Kent OH; Anthony C. Robinson, Pennsylvania State University; Jason B. Greenberg, Sullivan University
- 1208. Political Spaces of the Middle East: Theories, Legacies, Imaginaries (Sponsored by Political Geography Specialty Group, Middle East Specialty Group)**  
**Room:** Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Ali Hamdan, UCLA

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CHAIR(S): Ali Hamdan, UCLA

**10:00** Luke Struckman\*, Carleton University, *Sectarian Mosaics, the Arab Spring, and American Media Geopolitics.*

**10:20** Ali Nehme Hamdan\*, UCLA, *Breaker of Barriers? Syria's Borders in the Shadow of Sykes-Picot.*

**10:40** Neslihan Ataturk\*, University of Wisconsin-Madison, *Women's re/presentation in Gezi Protests.*

**11:00** Deen Sharp\*, CUNY GC, *The Volume of Urbicide: The Politics of Urban Destruction in Syria.*

Discussant(s): Kevin M. DeJesus, Johnson and Wales University

**1209. Integrating remote sensing and geospatial models in monitoring and assessing surface water quality (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group, Water Resources Specialty Group)**

*Room:* Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Cyril Wilson, University of Wisconsin-Eau Claire; Bingqing Liang, University of Northern Iowa

CHAIR(S): Cyril Wilson, University of Wisconsin-Eau Claire

**10:00** Suzanne Walther\*, Utah Valley University, *Small Dams in Oregon: Mapping Distributions at the Ecoregion Extent.*

**10:20** Bingqing Liang\*, University of Northern Iowa; John DeGroote, University of Northern Iowa; Maureen Clayton, University of Northern Iowa; Xin Hong, Ohio University, *Assessing the impacts of land use/land cover on surface water quality in Middle Cedar Watershed, Iowa.*

**10:40** Zhongwei Liu, Ph.D.\*, Department of Geography & Regional Planning, Indiana University of Pennsylvania, *An analysis on land use and water quality in Southwestern Pennsylvania, USA.*

**11:00** Cyril Wilson\*, University of Wisconsin-Eau Claire, *Evaluating the implications of regional land use comprehensive plans on future water quality within the Lower Chippewa River watershed, Wisconsin.*

**1210. Tracking Technologies and Geographic Research II (Sponsored by Recreation, Tourism, and Sport Specialty Group, Political Geography Specialty Group, Transportation Geography Specialty Group)**

*Room:* Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Rein Ahas, University of Tartu; Noam Shoval, The Hebrew University of Jerusalem

CHAIR(S): Menno-Jan Kraak, ITC

**10:00** Rein Ahas\*, University of Tartu, *The Value of Mobile Tracking Data for Genetic Analyses.*

**10:20** Bing Sheng Wu\*, Nanyang Technological University, *Do maps in the digital era help people develop a better understanding of space?.*

**10:40** Laura Altin\*, University of Tartu; Janika Raun, University of Tartu; Rein Ahas, University of Tartu; Brendan M. Richard, University of Central Florida, *Using Mobile Positioning Datasets to distinguish "tourist hot-spots" and "cold-spots" in Estonia.*

**11:00** Joseph J. Di Gianni\*, Montclair State University, *Users of dynamic ridesharing: Who are they?.*

**1211. Quantifying Forests and Trees**

*Room:* Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Shujuan Li, Utah State University

**10:00** Chang Zhao\*, University of Iowa; Heather A. Sander, Ph.D., University of Iowa, *Quantifying and mapping the supply and demand of carbon storage and sequestration services by urban trees.*

**10:20** Sungho Choi\*, Boston University, *Predicting forest canopy heights using metabolic scaling and resource limitations.*

**10:40** Yuxi Zhao\*, The Ohio State University; Darla K. Munroe, The Ohio State University, *Forestland Parcelization and Fragmentation: What Is Happening in the Amenity*

*Transition?.*

**11:00** Shujuan Li\*, Utah State University; Bo Yang, Utah State University, *Quantifying Forest Fragmentation Patterns and Processes during Rapid Urbanization.*

**1213. Career Mentoring A (Sponsored by AAG Jobs and Careers Theme)**

*Room:* Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Mark Revell, Association of American

Geographers - Washington, DC

CHAIR(S): Mark Revell, Association of American Geographers - Washington, DC

Discussant(s): Jennifer L. Holland, US Census Bureau; Pablo Fuentenebro, University of Western Sydney; Linda A. Peters, Esri; Heather R. Houlton, American Geosciences Institute; Michael R. Ratcliffe, U.S. Bureau Of the Census

**1214. Authors-Meet-Critics, Foreclosed America by Isaac William Martin and Christopher Niedt**

*Room:* Columbus CD, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Christopher Niedt, Hofstra University

CHAIR(S): Christopher Niedt, Hofstra University

Panelists: Katrin B. Anacker, George Mason University; Jeff Crump, University of Minnesota; Kathe Newman, Rutgers University; Alex Schafran

**1215. New Perspectives in Paleoenvironmental Change and Geoarchaeology II: North America and the Caribbean (Sponsored by Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)**

*Room:* Columbus EF, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Samuel Erik Munoz, University of Wisconsin-Madison; Matthew Charles Peros, Bishop's University; Timothy Beach, University of Texas at Austin

CHAIR(S): Timothy Beach, University of Texas at Austin

**10:00** Tripti Bhattacharya\*, University of California, Berkeley; Roger Byrne, University of California, Berkeley; Harald Boehnel, Centro de Geociencias, UNAM, Queretaro, Mexico; Kurt Wogau, Centro de Geociencias, UNAM, Queretaro, Mexico, *Climatic causes and impacts of late Holocene droughts in Mexico's Cuenca Oriental.*

**10:20** Nicholas P. Dunning\*, University of Cincinnati; Peter Siegel, Montclair State University; John G. Jones, Archaeological Consulting Services Ltd.; Deborah Pearsall, University of Missouri; Pat Farrell, University of Minnesota-Duluth, *Early Human Impacts in the West Indies.*

**10:40** Janet Franklin\*, Arizona State University; David W. Steadman, Ph.D., Florida Museum of Natural History; J. Angel Soto-Centano, Ph.D., American Museum of Natural History; Alexander K. Hastings, Ph.D., Martin-Luther-Universität Halle-Wittenberg, *Faunal and Landscape Change in the Bahamas since the late Pleistocene.*

**11:00** Anna Klimaszewski-Patterson\*, University of Nevada, Reno; Scott Mensing, Ph.D., University of Nevada, Reno; Linn Gassaway, United States Forest Service, *Climate or Native American burning? Examining causality of forest composition change in the southern Sierra Nevada, California.*

**11:20** David F. Porinchu\*, University of Georgia; Alicia Campbell, The Ohio State University; Nathan Stansell, Northern Illinois University; Bryan Mark, The Ohio State University; Zicheng Yu, Leigh University; Robert Booth, Leigh University; Eric Klein, University of Alaska-Anchorage; Scott Reinemann, The Ohio State University, *A quantitative reconstruction of late Holocene climate and environmental change in south-central Alaska: evidence from lake sediment.*

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## 1216. Food, Agriculture and Sustainability: Interactive Short Papers (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Columbus G, Hyatt, East Tower, Gold Level (Interactive Short Paper Session)

ORGANIZER(S): Daniel R. Block, Chicago State University; Katia R. Aviles-Vazquez, University of Texas - Austin  
CHAIR(S): Richaela Primus

**10:00** Richaela Primus\*, State University of New York College of Forestry and Environmental Science, *Gendered and Racialized Spaces: Understanding the Experiences of Women in the New York City Community Garden Environment.*

**10:05** Martin Mollenhauer\*, Saint Cloud State University; Martin Paul Mollenhauer, Undergraduate Student, Saint Cloud State University, *How Minnesota Became King of Turkey.*

**10:10** Arianna Thompson, PhC\*, University of Washington, *Examining Knowledge Pathways of GMO Risk.*

**10:15** Tyler Charles Roth\*, Pennsylvania State University, *The Monsanto Food Paradigm.*

**10:20** Jenny Lovell, MS, PhD Student\*, University of California - Santa Cruz, *Hydro-Agricultural Coping Strategies in the Mekong River Delta.*

**10:25** Lucie Marie Ostlund\*, University of Northern Iowa, *Climate Change Adaptations of Small Ag Producers in Nicaragua.*

**10:30** Aaron Dennis\*, The Pennsylvania State University, *Visualizing Temporal Trends in Soil Moisture with Modern Web Tools.*

**10:35** Rosalie Starenko\*, Augustana College, *Mitigation and Beautification: Placing Rain Gardens in the KeyStone Neighborhood of Rock Island, Illinois.*

**10:40** Arica Crootof, MS\*, University of Arizona, USA; Nodirbek Mullabaev, PhD, Academy of Sciences, Tashkent, Uzbekistan; Laurel Saito, PhD, PE, University of Nevada Reno, USA; Lisa Atwell, MS, University of Nevada Reno, USA; Michael Rosen, PhD, United States Geological Survey, Carson City, NV, USA, *Hydroecological Condition and Potential for Aquaculture in Lakes of the Arid Region of Khorezm, Uzbekistan.*

**10:45** Xiaobin Jin\*, Nanjing University; Xuhong Yang, Nanjing University; Yinkang Zhou, Nanjing University, *Reconstructing spatial distribution of historical cropland over the 300 years in China's traditional cultivated region.*

**10:50** Rebecca A. Gernes, MPH/MSW\*, Association of Schools and Programs for Public Health; Glennon A. Beresin, MS/MPH, Association of Schools and Programs of Public Health; J. Micheal Wright, PhD, National Center for Environmental Assessment, Office of Research and Development, U.S. Environmental Protection Agency, Cincinnati, OH; Glenn E. Rice, PhD, National Center for Environmental Assessment, Office of Research and Development, U.S. Environmental Protection Agency, Cincinnati, OH, *Spatial Data Analysis of Animal Feeding Operations and Impaired Surface Waters in Iowa.*

**10:55** Amanda Fernandes De Carvalho\*, Universidade Federal Do Rio De Janeiro; Paulo Cesar Costa Gomes, Universidade Federal do Rio de Janeiro, *Forms of sociability in public spaces: the case of two squares in Rio de Janeiro..*

**11:00** Nikolas Zanette Muricy\*, Universidade Federal Do Rio De Janeiro; Paulo Cesar da Costa Gomes, Universidade Federal do Rio de Janeiro, *Seasonal spatial patterns of sociability in Cabo Frio beaches (RJ- Brazil).*

**11:05** Emily Christenson, University of Wisconsin-Eau Claire; Rachel Luu, Georgia State University; Christine Munisteri\*, Skidmore College; Leah Rogstad\*, University of Vermont; Timothy Hawthorne, Georgia

State University, *Community Involvement in Urban Greenspaces: Understanding the Relationship between Community Members and the Cascade Springs Nature Preserve - Atlanta, Georgia.*

**11:10** Labaron Palmer\*, Temple University, *Postmodern Analysis of Urban Sustainability.*

**11:15** Elnazir Ramadan\*, Dept. of Geography, Sultan Qaboos University; Salim Mubarak Al Hatrushi, Dept. of Geography, Sultan Qaboos University, *Urban Policy in respond to Climate Change and Sustainability: Challenges and Opportunities for Gulf States Cites.*

## 1217. Water Quality and Environmental Remote Sensing in China

Room: Columbus H, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Lin Liu, University of Cincinnati; Kai Liu, Sun Yat-sen University

CHAIR(S): Li Zhuo, Sun Yat-sen University

**10:00** Ruru Deng\*, Sun Yat-sen University; Yan Qin, Sun Yat-sen University; Qidong Chen, Sun Yat-sen University; Yeheng Liang, Sun Yat-sen University; Xulong Liu, Sun Yat-sen University, *Key Techniques of the Remote Sensing for Inland Water Quality over Cloudy Areas and the Application in Survey of Water Environment in Guangdong province, China.*

**10:20** Yan Qin\*, Sun Yat-sen University; Ruru Deng, Sun Yat-sen University; Yingqing He, Pearl River Hydraulic Research Institute; Yeheng Liang, Sun Yat-sen University, *Remote sensing of Chemical oxygen demand (COD) concentration in Pearl River Estuary using WFV image of China GF-1 satellite.*

**10:40** Li Zhuo, Ph. D. \*, Center of Integrated Geographic Information Analysis, Guangdong Key Laboratory for Urbanization and Geo-simulation, School of Geography and Planning, Sun Yat-sen University; Jing Zheng, Guangdong Climate Center; Xiaofan Zhang, Center of Integrated Geographic Information Analysis, Guangdong Key Laboratory for Urbanization and Geo-simulation, School of Geography and Planning, Sun Yat-sen University; Jun Li, Ph. D., Center of Integrated Geographic Information Analysis, Guangdong Key Laboratory for Urbanization and Geo-simulation, School of Geography and Planning, Sun Yat-sen University; Haiyan Tao, Ph. D., Center of Integrated Geographic Information Analysis, Guangdong Key Laboratory for Urbanization and Geo-simulation, School of Geography and Planning, Sun Yat-sen University, *An Improved Method of Nighttime Light Saturation Reduction Based on EVI.*

**11:00** Jingjing Cao\*, Center of Integrated Geographic Information Analysis, School of Geography and Planning, Sun Yat-sen University; Li Zhuo, Center of Integrated Geographic Information Analysis, School of Geography and Planning, Sun Yat-sen University; Dawei Wang, Center of Integrated Geographic Information Analysis, School of Geography and Planning, Sun Yat-sen University; Lin Liu, Center of Integrated Geographic Information Analysis, School of Geography and Planning, Sun Yat-sen University, *An Improved Non-negative Matrix Factorization Method of Blind Unmixing Based on Automatic Target Generation Process for Hyperspectral Data.*

**11:20** Longhai Xiong\*, Sun Yat-sen University; Ruru Deng, Sun Yat-sen University; Qidong Chen, Sun Yat-sen University, *Nearshore water quality retrieval in Yongxing Island of Xisha Islands using remote sensing.*

## 1218. Usable Climate Information for Agriculture (Sponsored by Climate Specialty Group)

Room: Columbus IJ, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Melissa Widhalm, Purdue University

CHAIR(S): Melissa Widhalm, Purdue University

**10:00** Linda Stalker Prokopy, Ph.D. \*, Purdue University, *The*

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*role of social science in climate risk management.*

- 10:20** Tonya Haigh\*, National Drought Mitigation Center; Eugene Takle, PhD, Iowa State University; Jeffrey Andresen, PhD, Michigan State University; Melissa Widhalm, Purdue University; J. Stuart Carlton, PhD, Texas Sea Grant/Texas A&M University; Jim Angel, PhD, University of Illinois, *Mapping the Decision Calendar across the U.S. Corn Belt.*
- 10:40** Michael Dunn\*, Purdue University, *Contextualizing Climate Change as a Perceived Risk in Agriculture.*
- 11:00** Melissa Widhalm\*, Purdue University, *Climate-based decision support tools for agricultural production.*
- 11:20** Jenna Lee Klink, MPH\*, University of Wisconsin Environmental Resources Center; Emily McKinney, University of Wisconsin Environmental Resources Center; Vikram Koundinya, PhD, University of Wisconsin Environmental Resources Center; Kim Kies, PhD, University of Wisconsin Environmental Resources Center; Chad Hart, PhD, Iowa State University Extension; Melissa Widhalm, MS, Purdue University Forestry and Natural Resources; Rebecca Power, University of Wisconsin Environmental Resources Center; Linda Prokopy, PhD, Purdue University Forestry and Natural Resources, *Climate data helping farmers? Evaluating usability and adoption of Decision Support Tools.*

## 1219. Reflections on Sustainability in a Changing World, Session 2

*Room: Columbus KL, Hyatt, East Tower, Gold Level (Paper Session)*

ORGANIZER(S): Alison Blay-Palmer

CHAIR(S): Alison Blay-Palmer

- 10:00** Hannah Wittman\*, University of British Columbia; Jennifer Blesh, University of Michigan, *Food Sovereignty and Fome Zero: connecting public food procurement programs to sustainable rural development in Brazil.*
- 10:20** Erin Nelson\*, Laurier Centre for Sustainable Food Systems, *Innovating Food System Governance in Mexico: Fostering Food Sovereignty Through Participatory Guarantee Systems.*
- 10:40** Erin M Pratley, PhD\*, Independent Researcher, *A South/North case study comparison of Farmers' Experiences in Alternative Food Networks in Belo Horizonte, Brazil and Toronto, Canada: Lessons for the Alternative Food Movement.*
- 11:00** Molly Anderson\*, College of the Atlantic, *Food System Governance North & South: Clashes in CFS 41.*
- Discussant(s): Alison Blay-Palmer

## 1220. Matching the mismatches: linking scales in the Amazon

*Room: Grand A, Hyatt, East Tower, Gold Level (Paper Session)*

ORGANIZER(S): François-Michel Le Tourneau, National Center for Scientific Research; Eduardo S. Brondizio, Indiana University

CHAIR(S): François-Michel Le Tourneau, National Center for Scientific Research

- 10:00** François-Michel Le Tourneau\*, CNRS, *The DURAMAZ project: a regional approach of the Amazon based on local-level studies.*
- 10:20** Isabelle TRITSCH\*, Sorbonne University, CNRS-CREDA; François-Michel Le Tourneau, CNRS-CREDA, *Revisiting human settlement pattern and its relationship with deforestation in the Brazilian Amazon.*
- 10:40** Eduardo S. Brondizio, Professor\*, Indiana University, *Complexity and landscape governance in the Amazon.*
- 11:00** Shayna Zema\*, Brown University, *Millennial Mining for Petroleum: Land Management and its Socio-environmental Effects in the Ecuadorian Amazon.*
- 11:20** Katrina Waechter\*, University of Denver, *Classification of non-forest vegetated land cover by fusing pixel- and object-based image analysis in the lower Amazonian*

*floodplain.*

## 1221. Hazard Management and Planning: Lessons from Recent Studies

*Room: Grand B, Hyatt, East Tower, Gold Level (Paper Session)*

ORGANIZER(S): Laura Kathryn Siebeneck, University of North Texas; Tim G. Frazier, University of Idaho

CHAIR(S): Jorge Bajo, SUNY at Buffalo

**10:00** Penny Morgan, BS, MSES\*, Ohio University, *County Planning in Southeastern Ohio: Does the Process Contribute to "Othering"?*

**10:20** Federico Antolini\*, University of Iowa, *Distributed systems of reservoirs: a spatial approach to flood management.*

**10:40** Frank Shockey, PhD\*, United States DHS - Federal Emergency Management Agency, *Science and Superstition as Perspectives on the Technologies of Mitigation.*

**11:00** Wenjing Jiang\*, Clark University, *Lessons for Post-Disaster Recovery Planning Practices: A Case Study from the Wenchuan Earthquake in China.*

**11:20** Jorge V. Bajo Sanchez\*, SUNY at Buffalo, *Incorporating Community Knowledge to Hazard Mapping: Canton Buenos Aires Case Study, at Santa Ana (Ilamatepec) Volcano.*

## 1222. Thinking about a Politics of the Air (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group)

*Room: Grand C/D North, Hyatt, East Tower, Gold Level (Paper Session)*

ORGANIZER(S): Marijn Nieuwenhuis, University of Warwick, PAIS/ SOAS; Miguel De Larrinaga, University of Ottawa

CHAIR(S): Marijn Nieuwenhuis, University of Warwick, PAIS/ SOAS

**10:00** Miguel de Larrinaga, Assistant Professor\*, University of Ottawa, *The spaces of tear gas: a genealogy of colonial pacification.*

**10:20** Marijn Nieuwenhuis\*, University of Warwick, *Elemental Territories: Earth, Water and? Air?.*

**10:40** Anna Feigenbaum\*, Bournemouth University; Anja Kanngieser, Goldsmiths College, University of London, *Atmospheric Policing and the Making of the Warrior Cop.*

**11:00** Sasha H. Engelmann\*, University of Oxford, *Solar balloons and the aerial artwork of Tomás Saraceno.*

Discussant(s): Philip E. Steinberg, Durham University

## 1225. Erik Swyngedouw and the building of critical approaches in Water Resources Geography

*Room: Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Panel Session)*

ORGANIZER(S): David Sauri, Universitat Autònoma de Barcelona

CHAIR(S): David Sauri, Universitat Autònoma de Barcelona

Introducer: Alex Loftus

Discussant(s): Erik Swyngedouw, University of Manchester

Panelists: Leandro Del Moral, University of Seville; Matthew Gandy, University College London; Karen Bakker, University of British Columbia

## 1226. Advances in Geospatial Statistics

*Room: Grand Suite 3, Hyatt, East Tower, Gold Level (Paper Session)*

ORGANIZER(S): Andrew S. Foy, Radford University

CHAIR(S): Andrew S. Foy, Radford University

**10:00** Xuezhi Cang\*, Northern Illinois University; Wei Luo, Northern Illinois University, *Area Measurement Errors in Equal-area Projection.*

**10:20** Jie Xue, PhD candidate\*, Department of Geography and Resource Management, The Chinese University of Hong Kong, Hong Kong; Yee Leung, Professor, Department of Geography and Resource Management, Institute of Future Cities, Institute of Environment,

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Energy and Sustainability, The Chinese University of Hong Kong, Hong Kong; Jiang Hong Ma, Professor, Department of Mathematics and Information Science, Chang'an University, Xi'an, P.R.China, *High-Order Taylor Series Expansion Methods for Error Propagation in Geographic Information Systems*.

- 10:40** Melinda Shimizu, Ph.D.\*, Western Oregon University; Elizabeth A. Wentz, Ph.D., Arizona State University; Joanna Merson, M.A., Arizona State University; Arthur J. Gold, Ph.D., University of Rhode Island; Craig W. Kirkwood, Ph.D., Arizona State University, *Data fitness for use: an evaluation of accuracy, agreement, and aptness (AAQ) of four wetland datasets for use in a geodesigned environmental spatial decision support system*.

**11:00** Phaedra Daipha, PhD\*, Rutgers University, *The Duality of Meteorological Error: Managing Risk at the National Weather Service*.

**11:20** Andrew S. Foy\*, Radford University, *Evaluating the Error-Band-Geometry Overlay Tool for assessing the uncertainty in GIS overlay operations*.

**1227. 'Places in Processes' 2: Places as temporary Stabilities in dynamic Knowledge generating Processes**

*Room:* Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Suntje Schmidt, Institute for Regional Development and Structural Planning; Anna Growe, University of Freiburg, Institute of Cultural Geography  
CHAIR(S): Suntje Schmidt, Institute for Regional Development and Structural Planning

**10:00** Ulrike Gerhard\*, Heidelberg University, *Cities as Places of Knowledge Production: A Creative Symbiosis?*

**10:20** Anne Wiese\*, Technische Universität München; Alain Thierstein, Prof.Dr., Technische Universität München; Michael Bentlage, Dr.-Ing., Technische Universität München, *German port cities between spatial ambitions and functional realities*.

**10:40** Moritz Engbers, Dipl.-Geogr.\*, Leuphana University of Luneburg; Ulli Vilsmaier, Prof. Dr., Leuphana University of Luneburg, *Constituting Place in Case Based Transdisciplinary Research*.

**11:00** Lucie Galcanova\*, Masaryk University, *Between Stability and Flow: Micro Geographies of Spatial and Temporal Organization of Homes of Solo-Living People..*

Discussant(s): Sebastian Henn, University of Jena

**1229. Infrastructure as landscape 1: investigations into contemporary theories of global change (Sponsored by Radical Intra-Disciplinarity Theme)**

*Room:* Plaza B, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Alan Wiig, Temple University; Rob Holmes, University of Florida

CHAIR(S): Alan Wiig, Temple University

**10:00** Brett Milligan\*, University of California, Davis, *Propositional Geography: Scenarios, Infrastructure and Wicked Problems in California's Bay Delta*.

**10:20** Brian Rosa\*, Queens College, City University of New York, *Grounding Urban Infrastructure: Fixed Spaces and Spatial Fixes in the Metropolitan Landscape*.

**10:40** Ben Mendelsohn\*, New York University Department of Media, Culture, and Communication, *On the Situated Agency of Breakwaters: the Case of Eko Atlantic City, Lagos, Nigeria*.

**11:00** Alan Wiig\*, Temple University, *Free zone politics and the spatial consequences of planetary urbanization*.

**11:20** Nikolaos Katsikis\*, Doctoral Candidate, Harvard Graduate School of Design, *The new "New Exploration"*.

**1230. Animal-Human Entanglements 2 (Sponsored by Cultural Geography Specialty Group, Animal Geography Specialty Group)**

*Room:* Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Kalli F. Doubleday, University of Texas at Austin; Sharon E. Wilcox, University of Texas Austin

CHAIR(S): Kalli F. Doubleday, University of Texas at Austin  
**10:00** Lauren Van Patter, BSc(Env)\*, University of Guelph, *'Of place' or 'of people'? Feral cats and the nature of belonging*.

**10:20** Allie Mayberry\*, University of Guelph; Alice J. Hovorka, University of Guelph, *Social dimensions of human-elephant conflict: A case study of Khumaga, Botswana*.

**10:40** Job Noordeloos\*, University of Alaska - Fairbanks; Daniel H Mann, *Moose vehicle collisions in Fairbanks North Star Borough..*

**11:00** Gregory S Miller, GISP, AICP\*, American Society for the Prevention of Cruelty to Animals (ASPCA), *Geographically-Targeted Interventions and Creative Outreach to Reduce Animal Shelter Intake*.

Discussant(s): Kalli F. Doubleday, University of Texas at Austin

**1231. Pathways to decarbonisation 2: the scalar re-making of low carbon (Sponsored by Energy and Environment Specialty Group)**

*Room:* Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Andres Luque-Ayala, Durham University, UK; Matthew Hoffmann; Harriet Bulkeley, University of Durham

CHAIR(S): Andres Luque-Ayala, Durham University, UK

**10:00** Matthew Paterson\*, University of Ottawa, *Cultural conflicts and decarbonisation pathways: urban intensification politics as a site of contestation*.

**10:16** Julia Affolderbach\*, University of Hull; Christian Schulz\*, University of Luxembourg, *Placing urban climate change policy: Vancouver's Greenest City 2020 Action Plan*.

**10:32** Samuel Mössner\*, University of Freiburg i.Br.; Byron Miller, University of Calgary, *Fragmented pathways towards decarbonisation and carbonisation in the Freiburg region*.

**10:48** Amy Burnett\*, University of Reading, *A network analysis of discursive frames within an 'alternative' low-carbon Neighbourhood Plan*.

**11:04** Yuliya Voytenko, PhD, Postdoctoral Researcher\*, IIIIEE, Lund University; Kes McCormick, PhD, Associate Professor, IIIIEE, Lund University, *The role of urban living labs for catalysing low carbon cities: Mapping projects and examples in Europe*.

Discussant(s): Pauline McGuirk

**1232. Making Other Worlds Possible II: Researching the Solidarity Economy, Using Research to take Measure of Other worlds (Sponsored by Cultural Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Stephen Healy, Institute for Culture and Society

CHAIR(S): Kevin St. Martin, Rutgers University

**10:00** Stephen Healy\*, Institute for Culture and Society, *Solidarity Economy: Finding the Meaning and Significance in Small Numbers*.

**10:20** Maliha Safri\*, Drew University, *The limits to representing diversity*.

**10:40** Craig Borowiak, Associate Professor of Political Science\*, Haverford College, *Mapping race and class divides in Philadelphia's solidarity economy*.

**11:00** Marianna Pavlovskaya\*, Hunter College and CUNY Graduate Center, *To be or not to be on the map? Visibility and secrecy within the solidarity economy..*

Discussant(s): Oona Morrow, Clark University

**1233. Ambient and Atmospheric Geographies 2: Researching**

*Room:* Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Paul Simpson, Plymouth University; Damien Masson, University of Cergy-Pontoise. MRTE



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Laboratory; Rainer Kazig, CNRS

CHAIR(S): Rainer Kazig, CNRS

**10:00** Jeanne Lafon\*, Université de Cergy-Pontoise, France; Catherine Lavandier, Université de Cergy-Pontoise, France, *A typology of soundscapes as a means to describe the sonic experience of the users in urban parks and gardens.*

**10:20** Katja Manz\*, Chemnitz University of Technology, *"You see something that I cannot see" A methodical experiment and possibilities of audio-visual analysis.*

**10:40** Clémence Lehec\*, PhD candidate, Université de Genève, *Walkscaping the border: an experimental geography attempt.*

**11:00** Laure Brayer\*, Cresson, *The Role of Intermediate Objects in the Collective Understanding of Ambiance.*

**11:20** Pousin Frédéric, CNRS - UMR AUSser 3329; Nicolas Tixier\*, Cresson / ENSAG, *D-TRANSECT Crossing the Waste Lands of the Huveaune Valley: Plant Spread, Vernacular Practices, Landscape Mediations.*

**1235. Governing, financing and planning infrastructure (Sponsored by Economic Geography Specialty Group)**

Room: Picasso, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Peter O'Brien; Andy Pike, Newcastle University; Phillip O'Neill, University of Western Sydney

CHAIR(S): Giles Mohan, The Open University

**10:00** Peter O'Brien, Newcastle University; Andy Pike\*, Newcastle University, *'Deal or no deal?' Governing infrastructure funding and financing in the UK City Deals.*

**10:20** Kevin Ward\*, University of Manchester, *On the waterfront: experimentation, innovation and speculation in the financing of urban infrastructure.*

**10:40** Stephanie Farmer\*, Roosevelt University, *Having it Both Ways: Planning and Financing the High Tech City in Chicago.*

**11:00** Heather Whiteside\*, Department of Geography, UBC, *Constructing Infrastructure Markets: private finance for public austerity.*

Discussant(s): Phillip O'Neill, University of Western Sydney

**1236. Critical Geographies of the Smart City 2**

Room: Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): David Murakami Wood, Queen's University; Robert Kitchin, National University of Ireland; Torin Monahan, University of North Carolina - Chapel Hill

CHAIR(S): Robert Kitchin, National University of Ireland

**10:00** Nuria Benach\*, University of Barcelona; Nuria Font-Casaseca, University of Barcelona, *Barcelona Smart City: New Oil for the Urban Growth Machine.*

**10:20** Tannaz Monfaredzadeh\*, Visiting PhD Student, Worcester Polytechnic Institute; Robert Krueger, Professor, Worcester Polytechnic Institute, *Smart Cities and Social Sustainability: Evaluating social factors of sustainability in the case of Turin as a smart city.*

**10:40** Harrison Smith\*, University of Toronto, *"Smart cities should mean sharing cities": Situating smart cities within the sharing economy.*

**11:00** David Murakami Wood\*, Queen's University, *Smart cities: towards ambient government?.*

Discussant(s): Simon Marvin, Durham University

**1237. Trees in the City 2: Mapping and Measurement (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)**

Room: Wrigley, Hyatt, West Tower, Bronze Level (Paper Session)

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

CHAIR(S): Tenley Conway, University of Toronto-Mississauga

**10:00** Michael G Alonzo\*, UC Santa Barbara, Department of Geography, *Mapping urban forest structure and function.*

**10:20** Shawn Landry\*, University of South Florida; Shawn Landry\*, University of South Florida, *Urban Tree Cover Change: Was there a temporal change in canopy or are you comparing different methods?.*

**10:40** Andrew K Johnston\*, Smithsonian Institution, *District of Columbia Historic Urban Tree Cover Variability and Neighborhood Dynamics.*

**11:00** Yekang Ko, Ph.D.\*, University of Texas at Arlington; Jun-Hak Lee, Ph.D., University of Texas at Arlington; E. Gregory McPherson, Ph.D., US Forest Service Pacific Southwest Research Station; Lara A. Roman, Ph.D., US Forest Service Northern Research Station, *Does greening pay off?: Long-term performance of shade trees in Sacramento, CA.*

**11:20** Nimesh N. Bhagat\*, Urban Forest Research & Ecological Disturbance (UFRED) Group, Ryerson University; Andrew A Millward, Ph.D., Urban Forest Research & Ecological Disturbance (UFRED) Group, Ryerson University, *Enabling Environmental Agents: Can Citytrees Help our Cities Grow?.*

**1238. A Global Food Waste "Tour" II: Exploring the Phenomenon of Food Waste in the Global North and the Global South.**

Room: Acapulco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Tammara Soma, University of Toronto

CHAIR(S): Jordon Lazell, Coventry University - Centre for Business in Society

**10:00** Marie Mourad\*, Sciences Po Paris, *Addressing "Food Waste", Changing Food Value(s)? Comparing France and the United States.*

**10:20** Keith Lee\*, University of California, Berkeley, *Grocery retail development and household food waste in Seoul.*

**10:40** Tammara R Soma, Ph.D Candidate\*, University of Toronto, *Exploring the "Household" as a Site of Food Consumption and Food Waste: The Case of Indonesia.*

**11:00** La Vergne Gaye Lehmann\*, University of Adelaide, *Food, fads and fashion - how modern kitchens create more waste..*

Discussant(s): Laura Moreno, University of California - Berkeley

**1240. Territories of Poverty: Rethinking North and South**

Room: Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Ananya Roy, University of California, Berkeley

CHAIR(S): Emma Shaw Crane, New York University, Department of Social & Cultural Analysis

**10:00** Nik Theodore\*, University of Illinois at Chicago; Jamie Peck, University of British Columbia, *Paying for good behavior: cash transfer policies in the wild.*

**10:20** Monica I Guerra, PhD\*, Tulane University, *Experiments with Territory: Transforming Poverty in Medellin, Colombia.*

**10:40** Erica Kohl-Arenas\*, The New School, *Negotiating Poverty Funding: the foundation professional as consensus broker.*

**11:00** Luis Flores\*, University of Michigan, *Poverty (Self) Management and the 'Asset-Based Welfare State'.*

Discussant(s): Victoria A. Lawson, University of Washington

**1241. Carceral Geographies II: Prison Architecture and Design**

Room: New Orleans, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Jennifer Turner, University of Leicester;

Dominique Moran, University of Birmingham

CHAIR(S): Jon Coaffee, University of Warwick

**10:00** Gideon Boie\*, University of Leuven Faculty of Architecture; Fie Vandamme, University of Leuven Faculty of Architecture, *Prison Up Close: subject positions in the penitentiary spatial structure.*

**10:20** Jennifer Turner\*, University of Leicester; Dominique

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Moran, University of Birmingham; Yvonne Jewkes, University of Leicester, *Shaping 'inhabitation': the complexities of prison design and prison building.*

**10:40** Dominique Moran\*, University of Birmingham; Yvonne Jewkes, University of Leicester, *Prison architects as moral agents: is it possible to design a 'healthy' prison?*

**11:00** Fie Vandamme\*, KULeuven Faculty of Architecture; Gideon Boie, KULeuven Faculty of Architecture, *Fit IN Stand OUT: Rules and Elements for Humane Prison Architecture.*

Discussant(s): Lauren Martin, University of Oulu

**1242. Geographies of Diplomacy in the 21st century**

Room: Regency A, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Alun Jones, University College Dublin; Julian Clark, School of Geography

CHAIR(S): Alun Jones, University College Dublin

**10:00** Fiona McConnell\*, University of Oxford, *Diplomacy on the margins: Unrepresented nations and the negotiation of legitimacy.*

**10:20** Alun Jones\*, University College Dublin; Julian Clark, Birmingham University, UK, *Mundane Diplomacies for European Geopolitics.*

**10:40** Merje Kuus\*, University of British Columbia, *Audit Diplomacy: Intellectual Curiosity in European Institutions.*

**11:00** Anna Wiley Moore\*, University of Oregon, *Universality and the United States diplomatic footprint.*

Discussant(s): Jason Dittmer, University College London

**1243. Development Geographies: Looking Forward (Sponsored by Development Geographies Specialty Group)**

Room: Regency B, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Farhana Sultana, Syracuse University

CHAIR(S): Farhana Sultana, Syracuse University

Introducer: Farhana Sultana

Discussant(s): Eric S. Sheppard, UCLA

Panelists: Richard Peet, Clark University; David Simon, Royal Holloway, University of London; Susan M. Roberts, University of Kentucky

**1244. The Gendered City II**

Room: Regency C, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Peter Wood, Florida State University; Defne Sarsilmaz, Florida International University

CHAIR(S): Peter Wood, Florida State University

**10:00** Robina Mohammad\*, Universiti Brunei Darussalam, *Food, Gender, Sociality and the (re)Encoding of Urban Space Amongst Muslim Bruneian Youth.*

**10:20** Elly Harrowell\*, University of Birmingham, *Solving "our bazaar problems": Young women negotiating public space in Osh, Kyrgyzstan.*

**10:40** Defne Sarsilmaz\*, Florida International University, *Gendering Antakya: Reconfiguring Arab Alawite Women through a Feminist Geopolitical Lens.*

**11:00** Zia Salim\*, California State University, Fullerton, *"We are Homeless in the States": Transnationalism Among Gated Housing Compound Residents in Bahrain.*

**11:20** Elena Vacchelli\*, Middlesex University; Magali Peyrefitte, Middlesex University, *Work trajectories in the women's community sector in London: digital storytelling as a feminist and participatory research method.*

**1245. Thinking the Urban from?(I) comparative experiments (Sponsored by China Specialty Group, Urban Geography Specialty Group, Africa Specialty Group)**

Room: Regency D, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Fulong Wu, University College London; Jennifer Robinson, University College London; Garth Andrew Myers, Trinity College

CHAIR(S): Jennifer Robinson, University College London

**10:00** Juan Miguel Kanai, PhD\*, University of Miami, *Thinking Cities from Manaus: the intellectual purchase of global urbanism and planetary urbanization in the Amazon Rainforest.*

**10:20** Fulong Wu\*, University College London, *Are urban India and China grounds for theorizing urbanism? A tentative comparison and reflection.*

**10:40** Christian Schmid\*, ETH Zurich, *Planetary Urbanization as an Open Process: Towards a New Vocabulary of Urbanization.*

**11:00** Patrick Le Gales\*, Sciences Po CNRS Cities Centre d'études européennes, *Beyond the ungovernable leviathan.*

**11:20** Ananthakrishna Maringanti\*, Hyderabad Urban Lab, *Articulating the urban question via the geography of tiny firms.*

**1246. Doing creative economies: social justice and transformative governance (Sponsored by Cultural Geography Specialty Group)**

Room: San Francisco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Phil Jones, University of Birmingham; Saskia Warren, University of Manchester; Melanie Fasche, University of Toronto

CHAIR(S): Melanie Fasche, University of Toronto

**10:00** Anjeline de Dios\*, National University of Singapore, *Live from the Margins: Music Performance in Leisure Venues and the Migrant Creative Labor of Overseas Filipino Musicians.*

**10:20** Maria Cecilia Dinardi\*, City University London, *Informal Creative Cities? Southern Experiences, Grassroots Demands.*

**10:40** Calvin Taylor, Professor\*, Leeds University, *Beyond the strategic fix: the creative economy, association and the city.*

**11:00** Edward M Jones\*, University College London, *Governing creative Shoreditch: practicing the Tech City imaginary.*

**11:20** Phil Jones\*, University of Birmingham, *Co-constructing creative ambiances with communities.*

**1247. Land Tenure Systems (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Historical Geography Specialty Group)**

Room: Toronto, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Burak Guneralp, Texas A&M University; Jacqueline Vadjunc, Oklahoma State University; Andrew Millington, Flinders University

CHAIR(S): Peter Klepeis, Colgate University

**10:00** Gregory J. Schwartz\*, University of Texas Geography, *Growing Pains and Land-Use Transitions in Osa, Costa Rica: From wild frontier to market-based conservation zone.*

**10:20** Peter Scull\*, Colgate University; Catherine Cardelus, Colgate University; Eliza Kent, Skidmore College; Peter Klepeis, Colgate University; Izabela Orłowski, Bahir Dar University; Alemayehu Wassie Eshete, Bahir Dar University; Carrie Woods, Colgate University, *The persistence of Church Forests in South Gondar, Ethiopia.*

**10:40** Peter Klepeis\*, Colgate University; Catherine Cardelus, Colgate University; Eliza Kent, Skidmore College; Peter Scull, Colgate University; Carrie Woods, Colgate University; Izabela Orłowska, Bahir Dar University; Alemayehu Wassie Eshete, Bahir Dar University, *Ethiopian Church Forests as Sacred Groves and Common Pool Resources.*

**11:00** Sara E Cavallo\*, Pennsylvania State University, *Tea as predator and protector: The shifting role of industrial agriculture in forest conservation in western Uganda.*

**11:20** Nicholas J. Cuba\*, Clark University; John Rogan, Clark

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University; Anthony Bebbington, Clark University, *Understanding Socio-Environmental Conflicts Related to Mineral And Hydrocarbon Extraction in Land Systems of Peru.*

**1249. Peripheral Visions: Security by, and for, whom? I: Security through solidarity, care and grassroots democracy**

*Room:* Crystal B, Hyatt, West Tower, Green Level (Paper Session)  
ORGANIZER(S): Kathrin Hörschelmann, Leibniz-Institute for Regional Geography; Catherine Cottrell, Aberystwyth University; Matthew Benwell, Newcastle University  
CHAIR(S): Kathrin Hörschelmann, Leibniz-Institute for Regional Geography

**10:00** Sara Koopman\*, York University, *Security through solidarity: using privilege for peace.*

**10:20** Nerve Macaspac\*, University of California - Los Angeles, *Peace Zone: Agency, autonomy and counter-spacing among indigenous peoples in Sagada, Philippines.*

**10:40** Nicola Ansell\*, Brunel University; Elsbeth Robson, University of Hull; Lorraine van Blerk, University of Dundee; Flora Hajdu, Swedish University of Agricultural Sciences, *AIDS and Food Crises: the Framing of Twinned Security Threats for Southern African Youth.*

**11:00** Elizabeth A. Olson\*, UNC-Chapel Hill, *Caring labor, security, and the hidden child.*

**1250. RePlacing the Migrant 2: Importance of International Context and the State**

*Room:* Crystal C, Hyatt, West Tower, Green Level (Paper Session)  
ORGANIZER(S): Beth Mitchneck, University of Arizona; Jennifer Hyndman, York University  
CHAIR(S): Beth Mitchneck, University of Arizona  
**10:00** Deirdre Conlon\*, University of Leeds / Saint Peter's University, *Ontological Insecurity and everyday life for irregular migrants.*

**10:20** Noelle K. Brigden, PhD\*, Marquette University, *A Visible Geography of Invisible Journeys: Information, Representation and the Politics of Survival.*

**10:40** Johanna Reynolds\*, York University, *Bodies as Sites of Exclusion: Examining the New Biometric Screening Program for Temporary Residents to Canada.*

Discussant(s): Jennifer Hyndman, York University

**1251. Migration and Development in China II (Sponsored by China Specialty Group, Population Specialty Group, Economic Geography Specialty Group)**

*Room:* Stetson A, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Wei Xu, University of Lethbridge; Jianfa Shen, Chinese University of Hong Kong  
CHAIR(S): Cindy Fan, UCLA

**10:00** Ye Liu\*, Department of Geography and Resource Management, The Chinese University of Hong Kong; Jianfa Shen, Department of Geography and Resource Management, The Chinese University of Hong Kong; Wei Xu, Department of Geography, The University of Lethbridge; Francisco Rowe, Queensland Centre for Population Research, The University of Queensland; Guixin Wang, Institute of Population Research, Fudan University, *Migration of highly educated youth in China, 1995-2005.*

**10:20** Young Rae Choi\*, Ohio State University, *Coastal development refugees? Migrant fishers in the coastal margins of China.*

**10:40** Huang Gengzhi\*, Guangzhou Institute of Geography, Guangdong Academy of Sciences, China, *Not Just Because of Unemployment: Informal Sectors and the Persistence of Urban Street Vending in Current China.*

**11:00** Yuling Song\*, National Changhua University of Education, Department of Geography, *From new comers to middle class? the social and spatial mobility of rural migrants in Beijing and Shanghai.*

Discussant(s): Jianfa Shen, Chinese University of Hong Kong

**1252. Primary Resource Extract Industries**

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lee Ann Nolan

**10:00** Sigismund Ayodele Wilson\*, Rogers State University, *Iron ore exploitation in post-war Sierra Leone: a national or community resource curse?.*

**10:20** Julie Rafatpanah\*, Hofstra University, *De Beers vs the USA: A Tale of Monopoly, Marketing, and Globalization.*

**10:40** Michael Handke\*, Heidelberg University, *Regional Governance of Systemic Risk - Risk management organization in the German and Chilean lumber industry compared.*

**11:00** Catherine King\*, NYU, *The Emergence of "best science" for Ecosystem-based Fishery Management in New England.*

**11:20** Lee Ann Nolan\*, Pennsylvania State University; Riley O'Donnell, Pennsylvania State University, *Analysis of Problems Encountered in the Metadata Creation of the Works Progress Administration Bituminous Coal Mine Maps.*

**1253. Remote Sensing for Surface and Marine Water Resources (Sponsored by Remote Sensing Specialty Group)**

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Rebecca L. Powell, University of Denver

CHAIR(S): Dean Tyler, United States Geological Survey

**10:00** Tao Zheng\*, Central Michigan University; Yong Tian, Central Michigan University, *Comparing Water Leaving Radiance Retrieval from Satellite Observation using SeaDAS and 6S.*

**10:20** Lin Li\*, Indiana University - Purdue University At Indianapolis; Linhai Li, Marine Physical Laboratory, Scripps Institution of Oceanography, University of California San Diego; Igor Ogashawara, Indiana University-Purdue University at Indianapolis, *Inversion of Inherent Optical Properties (IOP) for Estimating Phycocyanin of Inland Waters.*

**10:40** Haibin Su\*, Texas A&M University - Kingsville, *Improving bathymetry mapping with multispectral imagery using collocated cokriging interpolation method.*

**11:00** Dean J. Tyler\*, USGS; John C. Brock, USGS; Jeffery J. Danielson, USGS; Daniel M Howard, Stinger Ghaffarian Technologies, *Building Large, High Resolution Topobathymetric Mosaic Datasets With Complex Boundaries.*

**1254. Accessing the North: Environmental and Economic Change in the Arctic (Sponsored by Polar Geography Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)**

*Room:* Stetson E, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Scott Stephenson, University of Connecticut; Kelsey Nyland, George Washington University

CHAIR(S): Kelsey Nyland, George Washington University

**10:00** Todd E Arbetter, PhD\*, Brown University; Michael A Goldstein, PhD, Babson College, Babson Park, MA; Amanda H Lynch, PhD, Brown University, *On the Economic Impact of Increased Shipping in the Greenland Sea.*

**10:20** David Schwartz\*, CSU-Long Beach, *How Dangerous is it? An Examination of Maritime Incidents in the Arctic..*

**10:40** Scott Stephenson\*, University of Connecticut; Laurence C Smith, University of California, Los Angeles, *Assessing Projected Variability in the Future Arctic Navigation Season.*

**11:00** Mia Bennett\*, PhD Student, UCLA Department of Geography, *Visualizing the power geometries of Arctic*

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*transportation networks.*

- 11:20** Trevor Kyle Fuller, Assistant Professor\*, SUNY Oneonta Department of Geography; Antonina Savvinova, Assistant Professor, North Eastern Federal University; Viktoria Filippova, Assistant Professor, North Eastern Federal University, *Perceptions of Climate Change and Industrial Development Pressure in Sakha Republic, Siberia, Russia.*

**1255. Session 2 - Development as improvisation? Exploring the significance of improvisation in contemporary development contexts (Sponsored by Development Geographies Specialty Group)**

- Room:* Stetson F, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Ankit Kumar, University of Durham; Jonathan Nicholas Balls, University of Oxford  
 CHAIR(S): Jonathan Nicholas Balls, University of Oxford  
**10:00** Jon Silver\*, Durham University, *Incremental infrastructures: material improvisation and social collaboration across post-colonial Accra.*  
**10:20** Thomas Birtchnell, Dr\*, Geography and Sustainable Communities, University of Wollongong, *3D Printing in India as an Inclusive Jugaad.*  
**10:40** Ariell Ahearn, PhD Candidate\*, University of Oxford, *State Enactments and Enacting the State: Devolving Governance in Rural Mongolia.*  
**11:00** Ankit Kumar\*, University of Durham, *The politics of improvisation of micro energy projects in India.*  
**11:15** Allegra Fonda-Bonardi\*, MIT; Caroline Howe, MCP, MIT; Fulbright Scholar, *Improvisation: Tools for resilience and adaptation.*  
 Discussant(s): Stephen Young

**1256. Digital Connectivity, Inclusion, and Inequality at the World's Economic Peripheries 2 (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)**

- Room:* Stetson G, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Christopher Foster, University of Oxford; Mark Graham, University of Oxford  
 CHAIR(S): Christopher Foster, University of Oxford  
**10:00** Roseline Wanjiru\*, Northumbria University, *Mobile technologies and innovation at the peripheries: a case study of mobile money within Sub-Saharan Africa.*  
**10:20** Padraig Carmody\*, Trinity College Dublin, *ICTs and Africa Rising?.*  
**10:40** Robert Wentrup\*, University of Gothenburg; H. Richard Nakamura, University of Gothenburg; Patrik Ström, University of Gothenburg, *Digital oases in a digital desert - The heterogeneous spread of online service usage in Sub-Saharan Africa.*  
**11:00** Gillian Anderson\*, University of Strathclyde, UK; Covadonga Gijón, Universidad Complutense de Madrid, Spain; Jason Whalley, Northumbria University, UK, *Exploring the differences in broadband access speeds across Glasgow.*  
**11:20** Andrew Iliadis\*, Purdue University, *The curator, the laggard, and the non-believer: a typology of voluntary information and communication technology non-users.*

**1257. Geographies of Media II: Big Data/Technology/Security (Sponsored by Communication Geography Specialty Group)**

- Room:* Addams, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): John Finn, Christopher Newport University; Laura Sharp, University of Arizona; Joseph Palis, North Carolina State University  
 CHAIR(S): Joseph Palis, North Carolina State University  
**10:00** Julie Cupples\*, University of Edinburgh; Kevin Glynn\*, Massey University, *Neoliberal surveillance and media convergence.*  
**10:20** Sam Stehle\*, The Pennsylvania State University, *Event Data, Spatio-Temporal Analysis, and Digital News*

*Media: A Critical Examination.*

- 10:40** Mike Duggan, MA (PhD Candidate)\*, Royal Holloway, University of London, *Smartphones, places, bodies: location-based services and everyday assemblages of place.*  
**11:00** Ronnie Thibault\*, University of Washington - Bothell, *Articulating the Cultural Politics of Representation, Global Development & Developmental Difference in the United States: Radical Digital Cartography as a Cultural Studies Methodology..*  
 Discussant(s): Joseph Palis, North Carolina State University

**1258. Sense of Place and Place Geographies II: Memory, Imagination, and Perception (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group)**

- Room:* Burnham, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Rex Rowley, Illinois State University; Stephanie Willis, University of Kansas  
 CHAIR(S): Stephanie Willis, University of Kansas  
**10:00** Matthew Liesch\*, Central Michigan University, *Conflicting Senses of Place in Michigan's Upper Peninsula.*  
**10:20** Stephen C. McClure\*, Wuhan University, *A Sense of Place: Memory, Monuments and Identity in Wuhan, PR of China.*  
**10:40** Philippe Forêt\*, University of Zurich - Zurich, *Rua de Macau. Place Memory in Survival Strategy.*  
**11:00** Lindsay P. Moore\*, University of British Columbia, *Tales of desire and disaster: Performing and becoming landscape in Vancouver, British Columbia.*  
**11:20** Jonghee Lee\*, University of Kentucky, *Understanding of Senses of Place: Café in Seoul as a Becoming Place.*

**1259. HRDSG Session: Wildfire (Sponsored by Hazards, Risks, and Disasters Specialty Group)**

- Room:* Dusable, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Laura Kathryn Siebeneck, University of North Texas  
 CHAIR(S): Rain Nox  
**10:00** Rain Nox\*, Texas State University; Colleen C. Hiner, PhD, Texas State University, *Wildfire Mitigation Behavior on Single Family Residential Properties near Balcones Canyonlands Preserve Wildlands in Austin, Texas.*  
**10:20** Tamara Wall\*, Desert Research Institute, *Wildfire Readiness in the Southern California Wildland-Urban Interface.*  
**10:40** Samuel Y. Lobby\*, University of Kansas, *Fired Up: Geographic Vulnerability of Federal Wildland Firefighters.*  
**11:00** Kevin M. Curtin, PhD\*, George Mason University; Rebecca Hill, George Mason University, *Spatial Analysis to Enhance Recruitment of Volunteer Fire Fighters.*

**1260. Advances in geospatial emergency management (Sponsored by Geographic Information Science and Systems Specialty Group, Hazards, Risks, and Disasters Specialty Group, Spatial Analysis and Modeling Specialty Group)**

- Room:* Field, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Mark W. Horner, Florida State University; Matt Duckham, University of Melbourne  
 CHAIR(S): Mark W. Horner, Florida State University  
**10:00** Billy Haworth\*, University of Sydney, *Engaging Communities in Disaster Risk Reduction through Volunteered Geographic Information (VGI): a case study of bushfires (wildfires) in Tasmania, Australia..*  
**10:20** Kelly Sims\*, Oak Ridge National Laboratory, *Integrating Social Media in the Development of a Special Event Population Dynamics Model.*  
**10:40** Steve Linger\*, Los Alamos National Laboratory - Defense Systems & Analysis, *Facilitating emergency response*

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*and planning through the integration of multi-scale models within a geospatial environment.*

- 11:00** Sophia B. Liu, PhD\*, U.S. Geological Survey; Barbara S Poore, PhD, U.S. Geological Survey; Richard Snell, U.S. Geological Survey, *Eyes on the Coast: Crowd-Tagging Behavior in the USGS iCoast Citizen Science Project.*
- 11:20** Tracy-Ann N. Hyman\*, The University of the West Indies, *A Spatially Explicit and Dynamic Approach to Flood Risk in Western Jamaica.*

**1261. Health Geographies, Climate Change - Patterns and Impacts**

*Room:* Horner, Hyatt, West Tower, Silver Level (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Megan Wing, University of Richmond

- 10:00** WENJIE SUN, Ph.D.\*, Carthage College, *Exploring the spatial patterns of heart disease and its social and environmental risk factors in U.S. counties.*
- 10:05** Surinder Aggarwal, Prof.\*, Delhi University, *Rising urbanization, emerging non-communicable diseases and the response of the health care system and health policy in India.*
- 10:10** Steve Krueger\*, Spatial Networks Inc; Andie Dodd, Spatial Networks Inc, *Using Data Collection and Open Source Mapping to Combat Ebola.*
- 10:15** Joyce Klein Rosenthal, PhD, MPH, MSUP\*, Harvard University Graduate School of Design, *"Fundamental causes" in the spatial distribution of climate-health impacts - at what scale do we plan the intervention?.*
- 10:20** Philippe Amstislavski\*, University of Alaska, AK, *Climate uncertainty and access to health care: Does the centralized health care services in the work in the thawing Arctic?.*
- 10:25** Hongyan Cai\*, Institute of Geographic Sciences and Natural Resources, CAS, China, *Is Forest Restoration in the Southwest China Karst Promoted Mainly by Climate Change or Human-Induced Factors?.*
- 10:30** Frederic Rousseau\*, UMR LIENSS CNRS/Université de La Rochelle, *Simulating the evolution of key challenges on Re'union Island in a context of coastal risk.*
- 10:35** Lydia Sakah Fondufe\*, Cameroon university, *Climate Change Psychology.*
- 10:40** Citlalli Aidee Becerril-Tinoco\*, Instituto José María Luis Mora, *Diagnosis of the drinking water service supplied within the metropolitan area of.*
- 10:45** Kim Waters\*, University of Richmond, *Environmental and Social Risk Factors of Malaria in the Peruvian Amazon: A Case Study in Ucayali..*
- 10:50** Megan Wing\*, University of Richmond, *University Involvement in Initiatives to Reduce Emissions from Deforestation and forest Degradation (REDD).*

**1262. Mobility Transitions 2 (Sponsored by Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group, Transportation Geography Specialty Group)**

*Room:* McCormick, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Tim Cresswell, Northeastern University

CHAIR(S): Cristina Temenos, Simon Fraser University

- 10:00** Nihan Akyelken\*, University of Oxford, *Political Economy of Transport in Transition.*
- 10:20** Dennis Zuev, Research Associate\*, Lancaster University, CeMoRe, *Political and Social Implications of Disruptive Innovation in China: the case of E-Mobility.*
- 10:40** Sandra Gleich\*, *Spatial and Temporal Impacts of Job-related Multilocality - Case Studies of High-skilled Employees in Germany, Switzerland and Austria.*
- 11:00** Sebastien Passel\*, UMR 7300 ESPACE / CNRS-University of Nice-Sophia Antipolis, *"MOUV": an urban project to co-construct the mobility transitions.*
- 11:20** Nicholas A. Scott, Ph.D.\*, Simon Fraser University, *Cycling Sociality: Car-> Cycling Transitions,*

*Becoming the 'Bicycle Shadow'.*

**1263. African Urban Development**

*Room:* Ogden, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mary Njeri Kinyanjui, Nairobi University-IDS

**10:00** Femke Van Noorloos, Dr.\*, Utrecht University, *New urbanizations in the global South: elite ghettos or opportunities for innovation?.*

**10:20** John Doces\*, Bucknell University; Erik Heinemann, Bucknell University; Glathar Janine, Bucknell University, *Authoritarianism and Development: A Spatial Analysis of Uganda by Sub-County.*

**10:40** Lucia Kafui Hussey\*, Western University; Jacek Malczewski, PhD, Western University, *Analytic Network Process (ANP) and GIS for Housing Quality Evaluation: A Case Study in Ghana..*

**11:00** Matthew F Pietrus\*, DePaul University, *The right to the city in the informal sector: the difference between claiming rights and gaining access in Kampala, Uganda.*

**11:20** Mary Njeri Kinyanjui\*, Nairobi University-IDS, *Ubuntu nests in African markets: Cultural Districts and the Evolution of an 'African Metropolis'.*

**1264. What Makes a Good Neighborhood? (Sponsored by Urban Geography Specialty Group)**

*Room:* Wright, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Devon A. Hansen, University of North Dakota

**10:00** Ana Vera-Martin\*, Universitat Autònoma de Barcelona; Montserrat Pallares-Barbera, Universitat Autònoma de Barcelona, *BARCELONA: UNEVEN QUALITY OF LIFE WITHIN THE CITY.*

**10:20** Ingmar Pastak\*, University of Tartu; Anneli Kährik, University of Tartu, *Analyzing the social impact of post-socialist urban renewal projects on local neighbourhood and community.*

**10:40** Mervi Ilmonen, Ms\*, Aalto University, *Global or local placemaking in Helsinki? Local shops as placemakers..*

**11:00** Hyun Kim\*, University of Wisconsin-Madison, *Urban 'Just' Redevelopment: Engaging Spatial Justice, Social Capital, and Resettlement.*

**11:20** Devon A. Hansen\*, University of North Dakota; Mikel Smith, University of North Dakota; Douglas Munski, University of North Dakota, *Perceiving Quality of Life in the Near South Side Neighborhood of Grand Forks, North Dakota.*

**1265. Critical geographies of policy II: Politics, power, and infrastructures in policy circulation (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)**

*Room:* Michigan A, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Eugene McCann, Simon Fraser University; Kevin Ward, University of Manchester

CHAIR(S): Eugene McCann, Simon Fraser University

**10:00** Astrid Wood\*, University College London, *Reinterpreting the multiple temporalities of policy circulation: Gradual, repetitive and delayed processes of BRT adoption in South African cities.*

**10:20** Christian Dimmer\*, The University of Tokyo, *(Re)Making Shibuya - Transformation of Tokyo's Cultural Hub and the Networked Politics of Place.*

**10:40** Benjamin Forest\*, McGill University; Natalie Oswin, McGill University, *Scales of Equality: LGBT Rights in States and Cities.*

**11:00** Andrew Longhurst\*, Simon Fraser University, *Harm Reduction Drug Policy Beyond the Inner City: City-Regional Politics of Policy Immobility and Constraint.*

**11:20** Tom Baker\*, Simon Fraser University, *'Cost-benefit may be the new compassion': Housing First and the*

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*changing terrain of homeless governance.*

**1266. Political Geography: Geopolitics**

*Room:* Michigan B, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kwame Adovor Tsikudo

**10:00** Terrence W. Haverluk, Professor\*, US Air Force Academy, *Biomes of Power and other Alternatives to the Core-Periphery Model.*

**10:20** Joshua Savala\*, Cornell University, *The Mar de Chile: The Pacific and Augusto Pinochet's Geopolitics.*

**10:40** Gerry Kearns\*, Maynooth University, *The Geopolitics of Solidarity.*

**11:00** Alex G Papadopoulos, PhD\*, DePaul University, *'Rembetika' geopolitics in Athens' and Salonika's post-Lausanne immigrant communities - 1909-1955.*

**11:20** Kwame Adovor Tsikudo\*, University of Minnesota-TC, *China-Ghana relations: a source of development or dependency?.*

**1267. Critical Pedagogy in Geography II: Anti-Colonial & Non-English Perspectives (Sponsored by Socialist and Critical Geography Specialty Group)**

*Room:* Michigan C, Hyatt, East Tower, Ped Path (Panel Session)

ORGANIZER(S): John Finn, Christopher Newport University; Katrinka C. Somdahl-Sands, Rowan University

CHAIR(S): John Finn, Christopher Newport University

Panelists: David J. Roberts, University of Toronto; Robert B. Ross, Point Park University; Jenny Sjöholm, Linköping University; Ulrich Best, York University; Thomas Buerk, Hamburg University; Laurel Catherine Smith, University of Oklahoma; Graham Pickren, University of British Columbia

**1268. Geographies of the Holocaust and Genocide 2: Knowledge, Experience, and Representation (Sponsored by Historical Geography Specialty Group)**

*Room:* Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Anne Kelly Knowles, Middlebury College

CHAIR(S): Levi Westerveld

**10:00** Jan-Ruth Mills\*, Florida State University, *Finding Factories and Slave Labor: Messerschmitt 262.*

**10:20** Melissa Hughes\*, Florida State University, *Remembrance and Reconciliation: the Landscape of Romani Memory and Memorial under National Socialism.*

**10:40** Tamara A Croft\*, University of Nebraska Omaha, *Displaced Person Camps following World War II: The Latvian 'Constructed Communities' Experience.*

**11:00** Ammon Edwin Shepherd\*, George Mason University, *Placing Space in the Experiences of Forced Laborers at Porta Westfalica.*

**11:20** Meghan Kelly\*, University of Kansas, *Human trafficking in Sudan and Egypt: Mapping traumatic experience through multiple lenses.*

**1269. Political Ecology and Social-Ecological Interactions of Food Production and Systems II: Urban Food Systems and Activism (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Russell Hedberg, Pennsylvania State University; Karl S. Zimmerer, Pennsylvania State University

CHAIR(S): Colleen Hiner, Texas State University

**10:00** Renee Michelle Hardin\*, Texas State University; Colleen C Hiner, PhD, Texas State University, *Assessing the efficacy of third-party involvement in farm-to-school participation: Facilitating connections between local farmers and food service managers in the Austin Independent School District.*

**10:20** Daniel Warshawsky\*, University of Southern California,

*The Political Ecology of Urban Food Waste: Uneven Governance in the World's Cities.*

**10:40** Gerda R. Wekerle\*, York University; Gerda R Wekerle, PhD, York University, *Food Production in the City: (Re) Negotiating Land, Food and Property.*

**11:00** Joshua Sbicca\*, Colorado State University, *Laboring to Reset the Good Food Table: Coalition Development between Food Worker and Local Food Activism in Los Angeles.*

**1273. Dendrochronology II: Dendroecology (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**

*Room:* Lucerne 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Christopher M. Gentry, Austin Peay State University; James H. Speer, Indiana State University; Henri D. Grissino-Mayer, University of Tennessee

CHAIR(S): Maegen Rochner, University of Tennessee Knoxville  
**10:00** Benjamin Marquis\*, Université de Sherbrooke; Matthew Peros, Bishop's University; Mark Vellend, Université de Sherbrooke, *Climate Sensitivity along an Altitudinal Gradient: A Dendroecological Case Study Using Sugar Maple from Southern Québec, Canada.*

**10:20** Christopher Petrucci\*, University of Missouri; Grant P. Elliott, University of Missouri, *Do Landscape- and Local-scale Moisture Gradients Impact the Biogeographic Expression of Climate Change at Upper Treeline in the Rocky Mountains, U.S.A.?*

**10:40** Katherine Dearborn, PhD Student\*, Queen's University; Ryan Danby, Associate Professor, Queen's University, *Landscape-Scale Variability in Spruce and Willow Growth Across Alpine Treelines in Southwest Yukon.*

**11:00** Maegen Rochner\*, University of Tennessee Knoxville; Jodi Axelson, PhD, University of Victoria; Bethany Coulthard, PhD, University of Victoria; Megan Hart, Austin Peay State University; James Dickenson; Kathryn Baker, Colorado College; Jane Wolken, University of Alaska Fairbanks; Nathan Beane, U.S. Army Corps of Engineers, *Climate-Growth Relationships and Stand Dynamics of High Elevation Whitebark Pine in Shoshone National Forest, Wyoming.*

Discussant(s): Jodi N. Axelson, University of Victoria

**1274. [Spatiotemporal Symposium] Time Geography: Integrating Space with Time in Geographic Research (I) (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**

*Room:* Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Hongbo Yu, Oklahoma State University; Shih-Lung Shaw, University of Tennessee; Kajsa Ellegård, Linköping University

CHAIR(S): Shih-Lung Shaw, University of Tennessee

**10:00** Kristina Trygg\*, Lecturer, *Understanding renovation process involving many actors by using the time-geographical framework.*

**10:20** Steven Farber\*, University of Toronto - Scarborough; Harvey J Miller, The Ohio State University; Morton O'Kelly, The Ohio State University; Tijs Neutens, Ghent University, *Measuring segregation using patterns of daily travel behavior: a social interaction based model of exposure.*

**10:40** Jennifer A. Miller\*, University of Texas at Austin, *Towards a better understanding of dynamic interaction metrics for wildlife.*

**11:00** Martin Dijst\*, Utrecht University, *A Relational Interpretation of Time Geography.*

**11:20** Kajsa Ellegård\*, Linköping University, *Time-geography - developments and prospects in the global context.*

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ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; David L. Rigby, UCLA

CHAIR(S): Jennifer Clark, Georgia Institute of Technology

**10:00** Bjorn T. Asheim\*, Lund University, Sweden, *Knowledge base combination and path development in a globalising economy.***10:20** David L. Rigby\*, UCLA; Dieter Franz Kogler, University College Dublin, *Knowledge Production as Recombination: Evidence from European Regions.***10:40** Dieter Franz Kogler\*, University College Dublin; Jürgen Essletzbichler, University College London; David L. Rigby, UCLA, *The Evolution of the Knowledge Space: Relatedness and Technology Specialization in European Regions, 1981-2005.***11:00** Koen Frenken\*, Copernicus Institute, Utrecht University & CIRCLE, Lund University; Dominique Foray, EPFL, *On the Smart Specialisation concept: its empirical support and policy elaborations.*

Discussant(s): Stefano Breschi, Università L. Bocconi

**1276. Tourism Moralities and Mobilities 2: Places-Performances-Practices (Sponsored by Recreation, Tourism, and Sport Specialty Group)***Room: Alpine 1, Swissôtel, Lucerne Level (Paper Session)*

ORGANIZER(S): Bryan SR Grimwood, University of Waterloo; Kellee Caton, Thompson Rivers University

CHAIR(S): Kellee Caton, Thompson Rivers University

**10:00** Jillian Rickly\*, The University of Nottingham, *A rhythmanalysis of climbing place.***10:20** S.Ali Mostolizadeh\*, University of Waterloo; Pooneh Torabian, University of Waterloo, *Moralities of Walking: Appreciating Slow Mobilities through Videography.***10:40** Michael O Regan\*, *Socio technical agency, Intra-active Agency and morality..***11:00** Foster Frempong\*, Kwame Nkrumah University of Science and Technology, *Employees' ethical behaviours in the hotel industry of Kumasi, Ghana..*

Discussant(s): Jim Butcher, Canterbury Christ Church University

**1277. The relational geographies of Environmental Health II: Critiquing determinism and the "tyranny of evidence" (Sponsored by Socialist and Critical Geography Specialty Group, Health and Medical Geography Specialty Group, Indigenous Peoples Specialty Group)***Room: Alpine 2, Swissôtel, Lucerne Level (Paper Session)*

ORGANIZER(S): Aaron Franks, Queen's University; Heather E. Castleden, Queen's University; Jeffrey R. Masuda, Queen's University

CHAIR(S): Aaron Franks, Queen's University

**10:00** Rebekah A. Breitzer\*, CUNY - Graduate Center, *The Wheel of Environmental Racism and Relational Environmental Health in the Great Lakes Region.***10:20** Elijah Bisung\*, University of Waterloo; Susan J Elliott, University of Waterloo; Diana M Karanja, Kenya Medical Research Institute, *Are Poor Communities too Poor for Pro-poor Water Programs in Kenya? A Case Study of Usoma's Journey Towards Access to Safe Water..***10:40** Kate Parizeau\*, University of Guelph; Josie Wittmer, University of Guelph, *Informal recyclers' experiences of environmental health inequities in Vancouver, BC.***11:00** Dawn Biehler\*, University of Maryland Baltimore County; John-Henry Pitas, University of Maryland, Baltimore County, *From Mosquitoes in the System to Transformative Entanglements with Ecologies of Injustice.*

Discussant(s): Heather E. Castleden, Queen's University; Jeffrey R. Masuda, Queen's University

**1278. Retheorizing the Urban: Rights and Urban Form***Room: Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Angela Antipova, University of Memphis

**10:00** Jamie Lee Botteon\*, Southern Connecticut State University; C. Patrick Heidkamp, Department of Geography Chair at Southern Connecticut State University, *Economic and Social Rights Fulfillment in the United States: A Spatial Perspective.***10:20** Pietro Calogero, PhD, City & Regional Planning\*, San Francisco State University, *Rights of the city: an urban genealogy of rights-as-practice.***10:40** Taylor Jones\*, TCU, *Challenging the Status Quo.***11:00** Angela Antipova, AA\*, University of Memphis, *Connection between urban forms and business sustainability..***1279. International Organizations for Planning of Cities and Urban Regions 2 (Sponsored by Latin America Specialty Group, Qualitative Research Specialty Group, Development Geographies Specialty Group)***Room: St. Moritz, Swissôtel, Lucerne Level (Paper Session)*

ORGANIZER(S): Betty Elaine Smith, Eastern Illinois University; Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul

CHAIR(S): Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul

**10:00** Joseph T. Koroma\*, *Post 2015 Sustainable Development Development Agenda: Lessons from the Millennium Development Goals?.***10:20** Roger C.K. Chan\*, The University of Hong Kong, *Shenzhen's Qianhai: Lessons from London's Docklands.***10:40** Minting Cai\*, Center for Urban and Regional Development Studies & School of Geography, South China Normal University, Guangzhou 510006, China; Juan Song, Center for Urban and Regional Development Studies & School of Geography, South China Normal University, Guangzhou 510006, China; Ran Wang, Center for Urban and Regional Development Studies, South China Normal University, Guangzhou 510006, China; Zhigang Wu, Center for Urban and Regional Development Studies & School of Tourism Management, South China Normal University, Guangzhou 510006, China, *The Study on Village-Town Regional Spatial Planning (VTRSP) Monitoring and Evaluation Indicator System.***11:00** Peng-tao Zhang, Center for Urban and Regional Development Studies & School of Tourism Management, South China Normal University, Guangzhou 510006 China; Wen-yi Ou\*, Center for Urban and Regional Development Studies & School of Geography, South China Normal University, Guangzhou 510006 China; Mei Gan, Center for Urban and Regional Development Studies & School of Tourism Management, South China Normal University, Guangzhou 510006 China; Ting Yuan, Center for Urban and Regional Development Studies, South China Normal University, Guangzhou 510006 China, *The Design and Development of Village-Town Regional Spatial Planning (VTRSP) Technologies Integration and Application Platform.***11:20** Yanyan Chen\*, *Deliberating environment into planning: perspectives from politics of scale.***1280. Geographic Perspectives on Entrepreneurship: Factors, Processes, and Disparities 2 (Sponsored by AAG Jobs and Careers Theme, Economic Geography Specialty Group, Business Geography Specialty Group)***Room: Grindelwald, Swissôtel, Lucerne Level (Paper Session)*

ORGANIZER(S): Yasuyuki Motoyama, Ewing Marion Kauffman



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- Foundation; Haifeng Qian, University of Iowa;  
Elizabeth Mack, Arizona State University  
CHAIR(S): Haifeng Qian, University of Iowa  
**10:00** Qingfang Wang\*, University of North Carolina at Charlotte; Elizabeth Grace Morrell, M.A. \*, UNC Charlotte, *Gender, Race/Ethnicity, and Entrepreneurship Revisited from a Community Perspective.*
- 10:20** Veronique Schutjens\*, AISSR, Faculty of Social and Behavioural Sciences, University of Amsterdam, The Netherlands, *When the going gets rough. The role of ethnicity, social capital and contrasting neighborhood settings in entrepreneurs' resource acquisition strategies.*
- 10:40** Lisa-Marie Pierre, Doctoral Student\*, Arizona State University; Elizabeth A Mack, Assistant Professor, Arizona State University, *Women and the Disaster Entrepreneurship Nexus.*
- 11:00** Yasuyuki Motoyama\*, Ewing Marion Kauffman Foundation; Karren K. Watkins, Washington University in St. Louis, *Examining the connections within the startup ecosystem.*
- 11:20** Karren Watkins\*, Washington University in St. Louis; Susan Clark-Muntean, PhD, University of North Carolina - Asheville; Banu Ozkazanc-Pan, PhD, University of Massachusetts - Boston; Yasuyuki Motoyama, PhD, Ewing Marion Kauffman Foundation, *Building start-up entrepreneurial ecosystems for inclusion and innovation: Drivers, challenges, and solutions.*
- 1281. The Caribbean at the Crossroads of Global Change II: Environment, Hazards and Ecology**  
*Room:* Verbier, Swissôtel, Lucerne Level (Paper Session)  
ORGANIZER(S): David Miller; Arpita Mandal, University of the West Indies  
CHAIR(S): David Miller  
**10:00** Theresa Elizabeth Rodriguez, Dr, Department of Geography & Geology, University of the West Indies; David Miller, Dr\*, Department of Geography & Geology, University of the West Indies, *A 1300 Year Drought History of the Yallahs Region, St. Thomas, Jamaica.*
- 10:20** ARPITA MANDAL\*, University of the West Indies; Arpita Nandi, Dr, Department of Geosciences, East Tennessee State University, Tennessee, USA; Matthew Wilson, Dr, Department of Geography, University of the West Indies, St. Augustine, Trinidad & Tobago; David Smith, Dr, . Disaster Risk Reduction Center, Institute of Sustainable Development, University of the West Indies, Mona, Jamaica, *Flood Hazard mapping in Jamaica using Principal Component and Logistic Regression.*
- 10:40** Junior Darsan, Dr. \*, University of the West Indies - St. Augustine, Trinidad.; Adam Jehu, Mr., Trinidad & Tobago Meteorological Office; Hamish Asmath, Mr., Institute of Marine Affairs, *The influence of fluvial dynamics and North Atlantic swells on the beach habitat of the leatherback turtle - the case of Grande Riviere, Trinidad..*
- 11:00** Anne-Teresa Donna Marie Birthwright\*, The University of the West Indies, *A Bitter or Better Future for Coffee Farmers: A Closer Look at Coffee Farming in Jamaica.*
- 11:20** Amal Rodney Tremaine Sealy, PhD Candidate - Department of Geography & Geology\*, University of the West Indies - Mona, *Examining the Effects of Small scale Subsistence and Pastoral Farming on the Groundwater Resources in Alleyndale, Barbados.*
- 1282. Journals, markets, and knowledge: the political economy of academic publishing II (Sponsored by Economic Geography Specialty Group)**  
*Room:* 100 Classroom, University of Chicago Gleacher Center; 1st Floor (Panel Session)  
ORGANIZER(S): Christopher Muellerleile, University of Bristol; Anssi Paasi, University of Oulu  
CHAIR(S): Susan Lee Robertson, University of Bristol  
Discussant(s): Wendy Larner, University of Bristol  
Panelists: Claudio Minca, Wageningen University; James T. Murphy, Clark University; Holly J. Falk-Krzesinski
- 1283. Internationalization of Geography Postgraduate Education**  
*Room:* 200 Classroom, University of Chicago Gleacher Center; 2nd Floor (Panel Session)  
ORGANIZER(S): Dmitrii Sidorov, CSULB  
CHAIR(S): Deborah Thien, California State University, Long Beach  
Discussant(s): Gil Latz, Indiana University-Purdue University Indianapolis; Wan Yu, Arizona State University  
Panelists: Galina Yamskikh, Siberian Federal University; Janice Monk, University of Arizona; Paul Laris, CSU Long Beach; Dmitrii Sidorov, CSULB
- 1284. Author-meets-critics: Emilie Cameron's Far Off Metal River: Inuit Lands, Settler Stories, and the Making of the Contemporary Arctic (Sponsored by Cultural and Political Ecology Specialty Group)**  
*Room:* 203 Classroom, University of Chicago Gleacher Center; 2nd Floor (Panel Session)  
ORGANIZER(S): Rosemary-Claire Collard, University of Toronto; Jessica Dempsey, University of Victoria  
CHAIR(S): Jessica Dempsey, University of Victoria  
Panelists: Geraldine J. Pratt, University of British Columbia; Sarah Hunt; Bruce Braun, University of Minnesota - Minneapolis; Gavin Bridge, Durham University; Emily Gilbert, University of Toronto; Emilie Cameron, Carleton University
- 1285. Cognition, Behavior, and Design, II: Uncertainty on Maps and in Spatial Relations (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)**  
*Room:* 204 Classroom, University of Chicago Gleacher Center; 2nd Floor (Paper Session)  
ORGANIZER(S): Amy Griffin, UNSW Canberra; Rui Li, SUNY - Albany; Kenneth Field, Esri  
CHAIR(S): Rui Li, SUNY - Albany  
**10:00** Mary Windsor\*, University of South Carolina-Columbia, *The Distribution and Density of Uncertainty Symbols and Estimation Judgments.*
- 10:20** Amy L Griffin\*, UNSW Canberra; Jason Jurjevich, Portland State University; Meg Merrick, Portland State University; Seth E Spielman, Colorado University at Boulder; Nicholas N Nagle, University of Tennessee-Knoxville; David C Folch, Florida State University, *Visualizing Attribute Uncertainty in the ACS: An Empirical Study of Decision-Making with Urban Planners.*
- 10:40** Enid L Lotstein, Ph.D.\*, Hofstra University, Bronx Community College/CUNY, Hunter College/CUNY; Zareen Tasneem, Hunter College/CUNY, *Measuring Uncertainty through Geovisualization Techniques Using a Pupil-Pro Tracker.*
- 11:00** Robert E. Roth\*, UW-Madison; Delores J Severtson, UW-Madison; Carl M. Sack, UW-Madison; Rashauna Mead, UW-Madison, *The Influence of Interactivity and Uncertainty on Health Beliefs and Decisions.*
- 11:20** Jan Oliver Wallgrün\*, Human Factors in GIScience Lab, The Pennsylvania State University; Alexander Klippel, Human Factors in GIScience Lab, Geography



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Department, The Pennsylvania State University;  
Timothy Baldwin, Department of Computing and  
Information Systems, The University of Melbourne,  
*A Crowd-based Investigation of Spatial Natural  
Language Concepts.*

**1286. Hydrology, Biogeosciences and Management in Human-Impacted Watersheds - I (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)**

*Room:* 300 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Luc Claessens, University of Delaware;  
Jonathan M. Duncan, UNC Chapel Hill

CHAIR(S): Luc Claessens, University of Delaware

**10:00** Trina Weilert\*, University of Missouri - Kansas City;  
Wei Ji, Dr., University of Missouri - Kansas City,  
*Ecological Index of Urban Stream Health.*

**10:20** Andrew Day\*, University of Louisville, *Developing a GIS-based model to track potential point-sources of urban stream pollution.*

**10:40** Kimm Jarden\*, Kent State University; Anne Jefferson, Kent State University; V. Kelly Turner, Kent State University; Jennifer Griesser, Cleveland Metroparks; Derek Schafer, West Creek Conservancy, *Assessing hydrologic impacts of street-scale green infrastructure investments for suburban Parma, Ohio.*

**11:00** Lawrence E Band, Professor\*, University of North Carolina - Chapel Hill, *Green infrastructure, groundwater and the sustainable city.*

**11:20** Alan Yeakley\*, Portland State University, *Environmental Quality and Governance in the Urbanizing Portland-Vancouver Region.*

**1288. Spatial Data Mining and Big Data Analytics (2) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**

*Room:* 304 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Diansheng Guo, University of South Carolina; Harvey J. Miller, The Ohio State University; May Yuan, University of Texas - Dallas

CHAIR(S): Donna J. Peuquet, Pennsylvania State University  
**10:00** Juntao Lai\*, University College London; Tao Cheng, University College London; Guy Lansley, University College London, *Spatio-Temporal Patterns of Passengers' Interests at London Tube Stations.*

**10:20** Yuqin Jiang\*, Department of Geography, University of South Carolina; Diansheng Guo, Department of Geography, University of South Carolina, *Trip Cost Estimation and Choices in New York City: A Big Data Approach.*

**10:40** Sarah Williams\*, MIT; Luc Anselin, Arizona State University, *Digital Neighborhoods: Using Social Media to Expose a New Urban Economy.*

**11:00** Konstantin Greger\*, University of Tsukuba, *A Spatio-Temporal Betweenness Centrality Measure for the Micro-Scale Estimation of Pedestrian Traffic.*

**11:20** Diansheng Guo\*, University of South Carolina, *Statistical Analysis and Mapping of Big Mobility Data.*

**1291. Organizing to End Mass Criminalization & Mass Deportation: Reflections from Illinois-based Organizers and Scholars (Sponsored by Socialist and Critical Geography Specialty Group)**

*Room:* 422 Classroom, University of Chicago Gleacher Center, 4th Floor (Paper Session)

ORGANIZER(S): Reecia Orzeck, Illinois State University; Jenna M. Loyd, University of Wisconsin-Milwaukee

CHAIR(S): Reecia Orzeck, Illinois State University

**1292. Decolonization, resistance and resurgence II :: Decolonial futures- Geographies of awakening and resistance (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**

*Room:* 600a Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Margaret Marietta Ramirez, University of Washington, Seattle; Michelle D. Daigle, University of Washington

CHAIR(S): Michelle D. Daigle, University of Washington

**10:00** Karen Culcasi\*, West Virginia University, *Images and Imaginings of Palestine: Everyday Resistance for Palestinian Jordanians.*

**10:20** Marisa Elena Duarte, MLIS, PhD\*, University of Illinois, Urbana-Champaign, *'Like' No Drones on Indian Land: Landscapes of Connectivity and Resistance.*

**10:40** Lucero Radonic\*, Michigan State University, *Towards indigenous urban homelands: Ethnographic and legal considerations from northwestern Mexico.*

**11:00** Margaret Marietta Ramirez, MA\*, University of Washington, Seattle, *Art as decolonial politics: art-activists of color claiming place in Oakland.*

**11:20** Alberto Valdivia\*, UC Davis, *Wellness as Decolonization: Indigenous Healing of Body, Mind, Spirit, Earth.*

**1293. Agrobiodiversity and Food Security/Sovereignty: Roundtable on concepts, methods, and measurement (Sponsored by Rural Geography Specialty Group)**

*Room:* 600b Classroom, University of Chicago Gleacher Center, 6th Floor (Panel Session)

ORGANIZER(S): Alder Keleman, Yale University

CHAIR(S): Alder Keleman, Yale University

Panelists: Alder Keleman, Yale University; Andrew Jones, University of Michigan; Garrett Graddy-Lovelace, American University School of International Service; Karl S. Zimmerer, Pennsylvania State University; Stephen Wood, Columbia University; Devon D. Sampson, University of California, Santa Cruz

**1294. Big projects, mega complexity, gigantic impacts II: mega-events**

*Room:* 602 Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Martin Müller, Universität Zürich; Christopher Gaffney, Universidade Federal Fluminense; Mark I. Wilson, Michigan State University

CHAIR(S): Christopher Gaffney, Universidade Federal Fluminense

**10:00** Lewis Bellas, University of Manchester; Robert Oliver, Assistant Professor\*, Department of Geography, University of Virginia Tech, *"Whose Games? Provincial politics and the 'revitalization' of Toronto's waterfront property."*

**10:20** Eva Kassens-Noor\*, MSU; Priyamvada Kaya, Michigan State University, *India's new globalization strategy and its consequences for urban development: the impact of the 2010 Commonwealth Games on Delhi's transport system.*

**10:40** Kyle Bailey\*, Virginia Tech; Robert Oliver, Virginia Tech; Christopher Gaffney, Universität Zürich; Korine Kolivras, Virginia Tech, *Media Geography: Journalism and Mega-Events in Rio de Janeiro.*

**11:00** Erick Silva Omena De Melo\*, Oxford Brookes University/ Department of Planning, *How did it happen?: the "demonstrations cup" and the counter-hegemonic side of sports mega-events.*

**11:20** Matthew Aaron Richmond\*, King's College London, *Rio de Janeiro's urban transformation: Towards a 'Post-Third World City' or a neoliberal 'City of Exception'.*

## TUESDAY, APRIL 21 • 10:00 AM - 11:40 AM • 1200

**1295. Reconfigurations of the State in an Era of Global Climate Change I (Sponsored by Cultural and Political Ecology Specialty Group)**

*Room:* 604 Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Alejandro Camargo, Syracuse University

CHAIR(S): Alejandro Camargo, Syracuse University

**10:00** Jesse Goldstein\*, Virginia Commonwealth University; David Tyfield, University of Lancaster, *Green Keynesianism after Neoliberalism: Bringing the (entrepreneurial) state back in?*.

**10:20** Kevin Surprise\*, Clark University, *Earth System Governance and the capitalist state: A neo-Gramscian analysis of U.S. geoengineering policy discourse*.

**10:40** Raili Lakanen\*, University of Toronto, *Conservative Climate: Canada's Changing Political Ecology*.

**11:00** Ana Mahecha\*, *Ambivalences in Adaptation Climate Change Politics in Colombia*.

**11:20** Mark Anthony Ayure-Inga Agana\*, University of Arkansas, *Climate Governance and the Politics of Scale: An Empirical Assessment of Post-Kyoto Local Climate Action Plans (LCAPs) in Canada and the United States*.

**1297. Post-rational migration 2: mobile subjectivities (Sponsored by Population Specialty Group)**

*Room:* 621 Executive Dining Room, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Francis L. Collins, University of Auckland

CHAIR(S): Tanja Bastia, University of Manchester

**10:00** Elisabeth Scheibelhofer\*, Department of Sociology University of Vienna, *Shifting aspirations in migratory projects. Biographic reconstructions of mobility practices in second modernity*.

**10:20** TIAN MA\*, Erasmus+: Erasmus Mundus Joint Doctoral Candidate Doctorate in Cultural and Global Criminology, Utrecht University and University of Kent, *Individual Urbanization Process: Immigration, Urban Experience and Crime in Contemporary China*.

**10:40** Pronoy Rai\*, University of Illinois at Urbana-Champaign; Trevor Birkenholtz, PhD, University of Illinois at Urbana-Champaign, *Moving between the Margins: Subaltern Migration and Social Change in Rural India*.

**11:00** Ruth Fincher\*, University of Melbourne, *Encounter and the formation of a transnational homing desire*.

**11:20** MinKyung Koh\*, The Ohio State University, *Between us and others: the making of multicultural society in South Korea*.

## TUESDAY, APRIL 21 • 11:50 AM - 12:30 PM • 1300

- 1348. The Changing Map of the Arctic: Keynote speech by Mead Treadwell (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group, Polar Geography Specialty Group)**  
**Room:** Crystal A, Hyatt, West Tower, Green Level (Paper Session)  
**ORGANIZER(S):** Timothy Edmund Heleniak, George Washington University  
**CHAIR(S):** Timothy Edmund Heleniak, George Washington University

It is almost trite to say that the Arctic is undergoing rapid change. This includes climate change from faster warming than most of the rest of the planet, economic change from the search for resources brought about by thinning sea ice and melting permafrost, and political changes from new actors in the Arctic and new governance regimes. There are few people better equipped to understand and explain these changes than Mead Treadwell who will deliver a keynote address on the changing map of the Arctic. He has served on the United States Arctic Research Commission starting in 2001, and in 2006 was appointed chair of the commission. In 2010, he was elected as Lt. Governor of Alaska.

## TUESDAY, APRIL 21 • 12:40 PM - 2:20 PM • 1400

- 1401. Geo Slam 2015 (Sponsored by Graduate Student Affinity Group)**  
**Room:** Skyway 260, Hyatt, East Tower, Blue Level (Panel Session)  
**ORGANIZER(S):** Pamela K. Sertzen, Syracuse University; Solange Isabel Munoz, University of Michigan; Alejandro Camargo, Syracuse University  
**CHAIR(S):** Kristin A. Cutler
- 1402. Geography and Design III: Geographic Design Research**  
**Room:** Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)  
**ORGANIZER(S):** Eric M. Huntley, University of Kentucky; Matthew W. Wilson, Harvard University  
**CHAIR(S):** Eric M. Huntley, University of Kentucky  
**Introducer:** Eric M. Huntley  
**12:50** Chris Bennett, Associate AIA\*, *Extended Extraterrestrial Terrestrial Urban Observation*.  
**1:10** Zulaikha Ayub\*, Mississippi State University, *On the Line*.  
**1:30** Alexander Arroyo\*, University of California - Berkeley, *Combinatorics of Control: US Military and State Practices of Mapping, Modeling, and Simulation in Late 19th - Mid 20th Century Americas*.  
**1:50** Vineet Diwadkar\*, Harvard University, *Practices in the Turbulent City: Mumbai Model*.  
**Discussant(s):** Matthew W. Wilson, Harvard University
- 1405. Geopolitical Imaginaries & Eurasian Post-War Narratives (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**  
**Room:** Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)  
**ORGANIZER(S):** Jeremy Tasch, Towson University; Nathaniel S. Trumbull, University of Connecticut  
**CHAIR(S):** Jeremy Tasch, Towson University  
**12:40** Gruia Badescu\*, Centre for Urban Conflicts Research, University of London, *Rethinking Urban Geopolitics: Post-War Reconstruction and Politics of the Past in Belgrade And Sarajevo*.  
**1:00** Weihsuan Lin\*, National University of Ireland, Maynooth, *Religious Geopolitics and Resistance in China*.  
**1:20** Elliott Callan Child\*, University of British Columbia, *Areas of the Cold War imagination: the birth and development of Area Studies*.  
**1:40** Justina Miina Ilona Dahl\*, European University Institute, *Promise of the Periphery: Future of the Arctic seen through histories of the Arctic that never were*.  
**Discussant(s):** Edward C. Holland, Miami University
- 1406. Climate Change Adaptation and Gender (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group)**  
**Room:** Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)  
**ORGANIZER(S):** Brent McCusker, West Virginia University; Edward R. Carr, University of South Carolina  
**CHAIR(S):** Edward R. Carr, University of South Carolina  
**12:40** Helen Rosko\*, University of Tennessee; Edward R Carr, University of South Carolina, *Gender and Adaptation in Southern Mali: Embracing Intersectionality in*

### *Adaptation Decision-making.*

- 1:00** Jennifer L. Smith\*, West Virginia University, *Gendered dimensions of the coproduction of space in Polokwane, South Africa*.  
**1:20** David Simon, Dr\*, Royal Holloway, University of London, *Bearing the Brunt of Environmental Change: gender and other social differentiators within adaptation and transformation challenges in urban Africa*.  
**1:40** Edward R. Carr\*, University of South Carolina; Brent McCusker, West Virginia University, *Gender and household livelihood adaptation under changing climatic and economic conditions in Malawi*.  
**2:00** Stephanie Buechler, PhD\*, University of Arizona; America Nalelly Lutz Ley, PhD student, University of Arizona, *Exploring Age, Gender, Education and Employment Linkages in a Climate-Water Stressed Rural Community in Northwest Mexico*.

- 1408. Urban Waters: private bodies in public aquatic spaces**  
**Room:** Skyway 282, Hyatt, East Tower, Blue Level (Panel Session)  
**ORGANIZER(S):** Naomi Adiv, Portland State University  
**CHAIR(S):** Naomi Adiv, Portland State University  
**Panelists:** Naomi Adiv, Portland State University
- 1409. Tourism Gentrification in the Metropolis (Sponsored by Recreation, Tourism, and Sport Specialty Group)**  
**Room:** Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)  
**ORGANIZER(S):** Sandra Guinand, CUNY - Graduate Center; Maria Gravari, IREST  
**CHAIR(S):** Sandra Guinand, CUNY - Graduate Center  
**Introducer:** Sandra Guinand  
**Introducer:** Maria Gravari  
**12:50** Maria Gravari-Barbas\*, IREST, *"Just Kids". An exploration to the Smith-Mapplethorpe Urban landscape through the lenses of tourism gentrification in New York*.  
**1:10** ELISSA J SAMPSON, PhD spring 2015\*, UNC Chapel Hill, *Grunge Authenticity: The Tenement as Upscale Tourist Destination*.  
**1:30** Maria Gravari-Barbas, Université Paris 1 Panthéon Sorbonne, EIREST; Sebastien Jacquot\*, Université Paris 1 Panthéon Sorbonne, EIREST; Amandine Chapuis\*, Université Paris Est, *Tourism / Gentrification: sex, gender and crossed resistances*.  
**1:50** Gustav Visser\*, University of Stellenbosch; Gustav Visser, University of Stellenbosch, *Urban tourism, gentrification and the de-gaying of Cape Town's De Waterkant*.  
**Discussant(s):** Johannes Novy, Brandenburgische Technische Univ

- 1410. Critical Approaches to Transportation Research (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)**  
**Room:** Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)  
**ORGANIZER(S):** Hector Agredano, CUNY Graduate Center; Lauren Fischer, Columbia University

**TUESDAY, APRIL 21 • 12:40 PM - 2:20 PM • 1400**

CHAIR(S): Lauren Fischer, Columbia University

Introducer: Lauren Fischer

**12:45** Dan T Johnston\*, Indiana University, *Interstate 69:*

*Exploring 21st Century Transportation Politics.*

**1:05** Meghan Cope\*, University of Vermont, *Spatial Isolation AND Hyper-mobility: Navigating the Contradictions of Teen Life in Suburban America.*

**1:25** Hector Agredano\*, CUNY Graduate Center, *Social Spaces and Politicized Infrastructures: Exploring the Environments of Railroad Workers in Northern Mexico Using Historical GIS.*

**1:45** Rafael Henrique Moraes Pereira\*, University of Oxford, *Transport justice: a literature review in search for a socio-political framework.*

Discussant(s): Lauren Fischer, Columbia University

**1411. Producing Space, Producing Value**

Room: Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Annie Spencer, City University of New York (CUNY) Graduate Center

**12:40** Joshua Eichen\*, Binghamton University, *Producing Space, Producing Time, Producing Value.*

**1:00** Michihiro Clark Sugata, Ph.D candidate, Justice Studies\*, Arizona State University, *Alternative Banking and False Liquidity: New Framings of Accumulation and Dispossession.*

**1:20** Geraldo Magela Costa\*, Universidade Federal De Minas Gerais, *Theoretical constructions about the Brazilian urban problematic: ruptures, continuities and convergences.*

**1:40** Maral Sotoudehnia\*, University of Victoria, *Tales From The Crypt: Fictitious Capital and The Rise and Fall of Mt. Gox.*

**2:00** Annie Spencer\*, City University of New York (CUNY) Graduate Center, *Developments in Marxist Geographical Thought: Reflections on Epistemology, the State, and Scholar-Activist Methods.*

**1413. WS #1-3 Networking: Promoting Yourself by Making Connections that Count (Sponsored by AAG Jobs and Careers Theme)**

Room: Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Niem Huynh, Association of American Geographers; Angela Rogers, Pennsylvania State University

CHAIR(S): Niem Huynh, Association of American Geographers

Panelists: Niem Huynh, Association of American Geographers; Angela Rogers, Pennsylvania State University

**1414. Author meets critics: Derek McCormack's 'Refrains for Moving Bodies'**

Room: Columbus CD, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Thomas Jellis, University of Oxford

CHAIR(S): Thomas Jellis, University of Oxford

Discussant(s): Tim Cresswell, Northeastern University; Harriet Hawkins; Rebecca Coleman, Goldsmiths, University of London; Susan Ruddick, University of Toronto; John Wylie, UNIVERSITY OF EXETER; Derek McCormack, University of Oxford

**1415. New Perspectives in Paleoenvironmental Change and Geoarchaeology III: Eastern North America (Sponsored by Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)**

Room: Columbus EF, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Samuel Erik Munoz, University of Wisconsin-Madison; Matthew Charles Peros, Bishop's University; Timothy Beach, University of Texas at Austin

CHAIR(S): Timothy Beach, University of Texas at Austin

**12:40** Gary E. Stinchcomb\*, Watershed Studies Institute, Dept. of Geosciences, Murray State University; Steven G. Driese, Terrestrial Paleoclimatology Group, Dept.

of Geology, Baylor University; Steven L Forman, Geoluminescence Laboratory, Dept. of Geology, Baylor University; Timothy C. Messner, Dept. of Anthropology, SUNY Potsdam, *Development and Application of a Holocene Grain-Size Paleoflood Proxy for the Middle Atlantic Region, USA.*

**1:00** Michelle Chaput\*, University of Ottawa; Bjoern Kriesche, Ulm University; Matthew Betts, Canadian Museum of History; Rafal Kulik, University of Ottawa; Volker Schmidt, Ulm University; Konrad Gajewski, University of Ottawa, *Space-time Distribution of Prehistoric Human Populations in North America.*

**1:20** Samuel E Munoz\*, University of Wisconsin-Madison; Kristine E Gruley, University of Wisconsin-Madison; Ashtin Massie, University of Wisconsin-Madison; David A Fike, Washington University; Sissel Schroeder, University of Wisconsin-Madison; John W Williams, University of Wisconsin-Madison, *Forests, Fields, and Floods: The historical ecology of the Cahokia region, Illinois, USA.*

**1:40** Albert E. Fulton\*, Michigan State University, *Prehistoric Native American Vegetation Impacts: A Comparison of Pollen Profiles from Settled and Unoccupied Lake Catchments, Genesee River Valley, Western New York State, USA.*

**2:00** Glen G. Fredlund\*, University of Wisconsin - Milwaukee, *Rise of the North American Shortgrass Steppe.*

**1416. Territory beyond Terra I: Law, Horizontalism, Verticality (Sponsored by Political Geography Specialty Group)**

Room: Columbus G, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Philip E. Steinberg, Durham University; Elaine Stratford, University of Tasmania; Kimberley Peters

CHAIR(S): Elaine Stratford, University of Tasmania

**12:40** Philip E. Steinberg\*, Durham University; Kimberley Peters, Aberystwyth University, *Wet Ontologies, Fluid Spaces: Giving Depth to Volume through Oceanic Thinking.*

**1:00** Katherine G. Sammler\*, University of Arizona - Geography & Regional Development, *Subsuming the Submerged: Producing Seabeds as Political Territories.*

**1:20** Jason Beery\*, University of Pittsburgh, *Law and Extraterritorial Natures: Orbits and Sovereignty Beyond Borders.*

**1:40** Ross Exo Adams\*, Iowa State University, *Mare-Magnum: Urbanization of the Sea.*

**2:00** Adam W Keul, PhD\*, University of Connecticut, *Fixing the flux: owning the beach.*

**1417. Indigenous Peoples and Ethnobiology (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)**

Room: Columbus H, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Noemie Boulanger-Lapointe, University of British Columbia

**12:40** Victoria A. Walsey-Honanie\*, University of Kansas, *Analyzing Methods for Bridging Knowledge Systems to Improve Ecosystem Management along the Yukon River.*

**1:00** Anuradha Sharma\*, University of Jammu, *Status and Conservation of some Medicinal Plants of Indian Himalayas. A case study of Jammu East Circle...*

**1:20** Katrina McClure\*, Univ. of KS; Katrina McClure, University of Kansas, *Success or Failure? Equitable Research in the Aurukun Ethnobiology Database Project.*

**1:40** Noemie Boulanger-Lapointe\*, University of British Columbia; Greg Henry, University of British Columbia, *Mapping agents in Arctic berry biocultural system.*

# TUESDAY, APRIL 21 • 12:40 PM - 2:20 PM • 1400

## 1418. Hydroclimatology I (Sponsored by Climate Specialty Group, Water Resources Specialty Group)

*Room:* Columbus JJ, Hyatt, East Tower, Gold Level (Paper Session)  
ORGANIZER(S): Trenton Ford, Texas A&M University; Natalie Teale; Shanshui Yuan

CHAIR(S): Trenton Ford, Texas A&M University

**12:40** Johnathan W. Sugg\*, Department of Geography, The University of North Carolina at Chapel Hill; Charles E. Konrad II, Department of Geography, The University of North Carolina at Chapel Hill, *Spatial characteristics of hydroclimate variability across the southern Appalachian Mountains of the southeastern U.S.*

**1:00** Christopher Labosier\*, Longwood University, *Gulf Coast Drought Influences on Wildfire*.

**1:20** Liyan Tian\*, Texas A&M University; Steven Quiring, Texas A&M University, *A new Vegetation Drought Index for agricultural drought monitoring*.

**1:40** Michael A. Palecki\*, National Climatic Data Center, *Soil Moisture Observations during the 2012 Central U.S. Drought*.

**2:00** James K Thompson, Department of Geography and Geology and Kentucky Climate Center, Western Kentucky University; Rezaul Mahmood\*, Department of Geography and Geology and Kentucky Climate Center, Western Kentucky University; Stuart A. Foster, Department of Geography and Geology and Kentucky Climate Center, Western Kentucky University, *Station Exposure And Resulted Bias In Temperature Observations: A Comparison of The Kentucky Mesonet And Asos Data*.

## 1419. Exploring a more-than-verbal human geography I: recrafting knowledge

*Room:* Columbus KL, Hyatt, East Tower, Gold Level (Paper Session)  
ORGANIZER(S): Heather Rosenfeld, University of Wisconsin - Madison; Sarah Bennett, UW-Madison  
CHAIR(S): Heather Rosenfeld, University of Wisconsin - Madison

**12:40** Á.Clotilde Houchon, PhD Candidate\*, University of Utah, *The gutter, its boundaries, and mis-guided drifts*.

**1:00** Michele Lobo\*, Centre for Citizenship and Globalisation, Deakin University, *The geopolitics of public space: meeting places and events in Darwin, Australia*.

**1:20** Laura Colebrooke\*, Cardiff University, *How does food poverty taste?*

**1:40** Michelle Ritchie\*, Southern Connecticut State University, *A Critical Cartography of Food Access: The Tactile Dimension*.

Discussant(s): Sarah Bennett, UW-Madison

## 1420. Planetary Politics: Theorizing Post-Global Political Geographies I

*Room:* Grand A, Hyatt, East Tower, Gold Level (Paper Session)  
ORGANIZER(S): Kai A. Bosworth, University of Minnesota - Minneapolis; Kevin Surprise, Clark University; Rory Rowan, University of Zurich  
CHAIR(S): Kai A. Bosworth, University of Minnesota - Minneapolis

**12:40** Rory Rowan\*, University of Zurich, *Thinking Like a Planet: Planetary Geoengineering and the Political Beyond the Global*.

**1:00** Tim Ivison\*, The London Consortium, Birkbeck College, University of London, *Towards a Genealogy of Planetary Urbanism*.

**1:20** Christine Biermann\*, University of Washington, *Conservation's next frontier: Natures for a novel planet*.

**1:40** Robert Drury King, Associate Professor\*, Sierra Nevada College, *Which Way to Go? Deciding on a Planetary Politics: The Future Behavior of Capital's Accumulation Regimes and its Modes of Crisis-*

*Governance*.

**2:00** Simon Dalby\*, Balsillie School of International Affairs, *Framing the Anthropocene: The Good, the Bad and the Ugly*.

## 1421. New data and methodologies for development geography

*Room:* Grand B, Hyatt, East Tower, Gold Level (Paper Session)  
ORGANIZER(S): Linnet Taylor, University of Amsterdam; Karin Pfeffer, University of Amsterdam

CHAIR(S): Linnet Taylor, University of Amsterdam

**12:40** Alistair Leak\*, UCL; Paul Longley, Professor, UCL; Muhammad Adnan, Doctor, UCL, *Towards a seamless World Names Database*.

**1:00** Linnet Taylor\*, University of Amsterdam, *Data for development: the ethics of new big data methodologies as a tool for development policy*.

**1:20** Jeroen Verplanke\*, University of Twente; Yola Georgiadou, Prof, University of Twente, *Social, Political and Geographical Challenges in International Development Interventions*.

**1:40** Wei Lu\*, Oak Ridge National Laboratory; Cheng Liu, Oak Ridge National Laboratory, *TUMS: A Global Toolbox for Urban Mobility Simulations*.

**2:00** Hebe Verrest, PhD\*, University of Amsterdam; Karin Pfeffer, PhD, University of Amsterdam; Ate Poorthuis, University of Kentucky, *Big Data for better urban life?*

## 1422. Contested Neighborhoods I: territorial claims and informal power dynamics (Sponsored by Urban Geography Specialty Group)

*Room:* Grand C/D North, Hyatt, East Tower, Gold Level (Paper Session)  
ORGANIZER(S): Fenne Pinkster, Universiteit Van Amsterdam  
CHAIR(S): Fenne Pinkster, Universiteit Van Amsterdam

**12:40** Nir Cohen\*, Bar Ilan University; Oren Yiftachel, Ben Gurion University of the Negev, *Southern (Dis)-Comfort: Defensive urban citizenship and 'gray spacing' in Tel Aviv*.

**1:00** Roza Tchoukaleyska\*, CITY Institute, York University, *'That square is not ours': contestations over public spaces and usage in a French high-rise suburban development*.

**1:20** Antonin Margier\*, University of Lille1, *The contested identity of a neighbourhood*.

**1:40** Fenne Pinkster\*, Universiteit Van Amsterdam, *Claiming the neighborhood: exploring territorial strategies in a working class neighborhood*.

Discussant(s): Carolyn F. Thompson, Macquarie University

## 1425. Geographies of Food and Agriculture I (Sponsored by Geographies of Food and Agriculture Specialty Group)

*Room:* Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Paper Session)  
ORGANIZER(S): Daniel R. Block, Chicago State University; Katia R. Aviles-Vazquez, University of Texas - Austin

CHAIR(S): Katia R. Aviles-Vazquez, University of Texas - Austin

**12:40** Maura Farrell\*, National University of Ireland, Galway; Maura B Farrell, Dr., Nationality University of Ireland, Galway, *The Role of Irish Women in Innovative Agricultural Practices*.

**1:00** Cheng Ying Chua, Clare\*, National University of Singapore, *Growing 'community', planting responsibility, sowing exclusion: A study of Singapore's community gardens*.

**1:20** Grace Marasco-Plummer\*, Appalachian State University, *Investigating the Role of Self-provisioned Food within the Local Food System*.

**1:40** Katia R. Aviles-Vazquez\*, University of Texas - Austin, *Technologies of resistance for small-scale farmers in Puerto Rico*.

**TUESDAY, APRIL 21 • 12:40 PM - 2:20 PM • 1400****1426. Religion, migration, and transnational practices (Sponsored by Population Specialty Group, Cultural Geography Specialty Group, Geography of Religions and Belief Systems Specialty Group)****Room:** *Grand Suite 3, Hyatt, East Tower, Gold Level (Paper Session)*

ORGANIZER(S): Heidi Østbø Haugen, University of Oslo; Marta Bivand Erdal, PRIO

CHAIR(S): Heidi Østbø Haugen, University of Oslo

**12:40** Peter E. Hopkins\*, Newcastle University; Katherine Botterill, Newcastle University; Gurchathen Sanghera, University of St Andrews; Rowena Arshad, University of Edinburgh, "Why are you not off for Eid?" "I am not a Muslim!": misrecognition, racism and interethnic relations for black and minority ethnic young people in Scotland.**1:00** Giuseppe Carta, Mr.\*, University of Bristol, *Geographical imaginaries and urban planning in a secular age: towards a postsecular city.***1:15** Neil Conner\*, University of Tennessee, *Religion & Social Integration in Dublin, Ireland: Bridge or Barrier?.***1:30** Marta Bivand Erdal\*, PRIO, *The confluence of migrant remittances and transnational Islamic charity.***1:50** John S. Benson, Ph.D.\*, Minnesota State University Moorhead, *The Mission Field: An Idealized Landscape and Its Impact on Two Generations of a Missionary Community.***2:05** Sebastian Schlueter\*, King's College London & Humboldt University Berlin, *Religious Home-making in Globalising City-centres of the North: Church Growth and Diversity in London and Berlin.***1427. CyberGIS Symposium: Frontiers of Geographic Data Science (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)****Room:** *Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)*

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Michael F. Goodchild, University of California - Santa Barbara; Luc Anselin, Arizona State University

CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign

**12:40** Shaowen Wang\*, University of Illinois at Urbana-Champaign, *Geospatial Data Science in the Big Data Era.***1:00** Wenwen Li\*, Arizona State University, *Integrating Cyberinfrastructure and Big Earth Observation Data to Support Climate Science.***1:20** Kiumars Soltani\*, University of Illinois at Urbana-Champaign; Shaowen Wang, Professor, University of Illinois at Urbana-Champaign; Anand Padmanabhan, Dr, University of Illinois at Urbana-Champaign, *Mapping Spatiotemporal Diffusion of Ideas Using Hashtags.***1:40** Johnathan Rush\*, The University of Illinois; Shaowen Wang, PhD, University of Illinois; Anand Padmanabhan, PhD, University of Illinois, *Reconceptualizing Data in the CyberGIS Gateway.***2:00** Junjun Yin\*, University of Illinois; Shaowen Wang, University of Illinois, *Finding community structures of US cities from large-scale Twitter user mobility patterns.***1429. Infrastructure as Landscape 2: investigations in contemporary theories of global change (Sponsored by Radical Intra-Disciplinarity Theme)****Room:** *Plaza B, Hyatt, East Tower, Green Level (Paper Session)*

ORGANIZER(S): Rob Holmes, University of Florida; Alan Wiig, Temple University

CHAIR(S): Rob Holmes, University of Florida

**12:40** Valerie November, Prof.\*, CNRS, LATTS Université Paris-Est, *The (in)visible landscapes of large-scale**infrastructures.***1:00** Ryan Dewey\*, Geologic Cognition Society, *Virtual Places: Core Logging the Anthropocene in Real-Time.***1:20** Gül Tuçaltan\*, *Holding on to Waste: Transformation of the Landscapes and Governance of Urban Waste in Ankara, Turkey.***1:40** Rob Holmes\*, University of Florida, *Ditch, Pile, Mine: Three Operational Landscapes in Florida.*

Discussant(s): Andrew Karvonen, University of Manchester

**1430. Urban Geography: Lifestyles****Room:** *Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): L. Marcela Lopez Mares, University of Illinois at Chicago

**12:40** Emily J Hawes\*, University of British Columbia, *Households on the Hook: Lifeworlds of the indebted in Vancouver, Canada.***1:00** Sayaka Fujii\*, University of Tsukuba, *Empowerment of former residents in public housing revitalization: Challenge of the Regent Park.***1:20** Amy K Coplen\*, Portland State University, *Sweating Foodservice Labor: Transnational Migration and the Commodification of Reproductive Labor.***1:40** L. Marcela Lopez Mares\*, Universidad Autónoma de San Luis Potosi; Adrian Filiberto Moreno Mata, Universidad Autonoma de San Luis Potosi, *Selling a residential lifestyle in peripheral social housing developments: following the "residential life" dream.***1431. Pathways to decarbonisation 3: Translating and re-assembling low carbon (Sponsored by Energy and Environment Specialty Group)****Room:** *Columbian, Hyatt, West Tower, Bronze Level (Paper Session)*

ORGANIZER(S): Andres Luque-Ayala, Durham University, UK; Matthew Hoffmann; Simon Marvin, Durham University

CHAIR(S): Matthew Hoffmann

**12:40** Robyn Dowling\*, Macquarie University; Pauline McGuirk, University of Newcastle; Harriet Bulkeley, Durham University, *Configuring pathways to decarbonisation in Sydney, Australia.***1:00** Ralitsa Hiteva, Dr.\*, SPRU, University of Sussex, *Energy intermediaries: the hidden enablers and gatekeepers of low carbon transitions.***1:20** Ralph Horne, Professor\*; Susie Moloney, *From Pathways to Practices -Low Carbon Urban Transitioning Case studies from Australia, and the role of intermediary organisations..***1:40** Ulrich Dewald\*, Karlsruhe Institute of Technology, *Fostering low-carbon change in mature technological environments - the case of cement technology.*

Discussant(s): Harriet Bulkeley, University of Durham

**1432. Making Other Worlds Possible III: Discards, Diverse Economies, and Degrowth I (Sponsored by Cultural Geography Specialty Group, Economic Geography Specialty Group)****Room:** *Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)*

ORGANIZER(S): Josh Lepawsky, Memorial University of Newfoundland; Max Liboiron, Memorial University of Newfoundland

CHAIR(S): Sarah A. Moore, University of Wisconsin - Madison

**12:40** Josh Lepawsky\*, Memorial University of Newfoundland; Max Liboiron\*, Memorial University of Newfoundland, *Network Analysis of Research on Discards, Diverse Economies, and Degrowth.***1:00** Ruth Lane, Dr\*, Monash University, *Resource geographies and diverse economies of urban mining in Australia.***1:20** Yvonne Rollins, BSc(Hons), MA, MES\*, Western University, Canada; Jennifer Taylor, University of Toronto, *Unpacking waste-to-energy: material needs,*

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*energy opportunities and the waste hierarchy.*  
 Discussant(s): Jesse Goldstein, Virginia Commonwealth University

- 1433. Ambient and Atmospheric Geographies 3: Representing Gold Coast, Hyatt, West Tower, Bronze Level** (Paper Session)  
 Room: ORGANIZER(S): Paul Simpson, Plymouth University; Damien Masson, University of Cergy-Pontoise. MRTE Laboratory; Rainer Kazig, CNRS  
 CHAIR(S): Damien Masson, University of Cergy-Pontoise. MRTE Laboratory  
**12:40** Yasmine Abbas\*, Ecole Spéciale d'Architecture and Paris College of Art, *Generative Mapping*.  
**1:00** Thomas Leduc\*, CERMA Laboratory, CNRS, Ecole Nationale Supérieure d'Architecture de Nantes; Vincent Tourre, CERMA Laboratory, CNRS, Ecole Centrale de Nantes, *Formalised anticipation maps of the understanding of spaces*.  
**1:20** Antonella Tufano\*, ENSAPLV- Gerphau-Ht2s, *Objet-milieu : ChartaeGraphiae and the Sensors. Towards a sensitive presentation of the spaces*.  
**1:40** Anne Petit\*, Laboratory Cerma; Daniel Siret, CERMA, Graduate School of Architecture of Nantes; Nathalie Simonot, LEAV, Graduate School of Architecture of Versailles, *Architecture, Colour and Urban Planning Strategies: representing the effects of colour on urban space*.  
**2:00** Casper Laing Ebbensgaard\*, Queen Mary, *Representing light, sensation and the everyday in Newham, East London*.

- 1435. Power, ownership, control and politics (of infrastructure) (Sponsored by Economic Geography Specialty Group)**  
 Room: *Picasso, Hyatt, West Tower, Bronze Level* (Paper Session)  
 ORGANIZER(S): Peter O'Brien; Andy Pike, Newcastle University; Phillip O'Neill, University of Western Sydney  
 CHAIR(S): Peter O'Brien  
**12:40** John R. Allen\*, The Open University; Michael Pryke, The Open University; Phillip O'Neill, University of Western Sydney, *Power, pragmatism and infrastructure's coveted revenue streams: The financial engineering of advantage*.  
**1:00** Laura Deruytter\*, Ghent University; Ben Derudder, Ghent University, *Financialising Brussels Airport: the shifting ownership of infrastructure and implications for the provision and control of infrastructure services*.  
**1:20** Giles Mohan\*, The Open University, *The politics of Chinese-financed infrastructure projects in Africa*.  
**1:40** Stephen Hall\*, University of Leeds; Andrew E.G. Jonas, Professor, University of Hull, *Networks of Power: Financing smart grids and urban economic development*.  
 Discussant(s): Andy Pike, Newcastle University

- 1436. CITY Debates: (Re)defining the urban and the question of social justice.**  
 Room: *Water Tower, Hyatt, West Tower, Bronze Level* (Panel Session)  
 ORGANIZER(S): Alex Schafran  
 CHAIR(S): Alex Schafran  
 Panelists: Teresa Caldeira, University of California, Berkeley; Christian Schmid, ETH Zurich; Michael Storper, London School of Economics; Ozan Karaman, University of Glasgow

- 1437. Trees in the City 3: Policy, Politics, and Practice (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)**  
 Room: *Wrigley, Hyatt, West Tower, Bronze Level* (Paper Session)  
 ORGANIZER(S): Tenley Conway, University of Toronto-Mississauga; Shawn Landry, University of South

Florida

- CHAIR(S): Shawn Landry, University of South Florida  
**12:40** Lindsay K Campbell\*, USDA Forest Service, Northern Research Station, *Constructing nature in a global city: The politics, discourses, and materiality of urban forestry and agriculture in New York City*.  
**1:00** Andrew D. Almas\*, University of Toronto; Tenley Conway, Dr., University of Toronto, *The role of native species in Ontario urban forest management plans and municipal planting practice*.  
**1:20** Tenley M Conway\*, University of Toronto-Mississauga; Vivian Yip, University of Toronto, Mississauga, *Managing the risks: residents' experiences and support for urban forest management after an ice storm*.  
**1:40** Jessica M Vogt, PhD\*, Furman University, Department of Earth and Environmental Sciences, and Indiana University, The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis; Sarah Widney, Indiana University, School of Public and Environmental Affairs, and Center for the Study of Institutions, Population and Environmental Change; Shannon Lea Watkins, Indiana University, School of Public and Environmental Affairs, and Center for the Study of Institutions, Population and Environmental Change; Sarah K Mincey, MPA, MSES, PhD, Indiana University, Integrated Program in the Environment, IU Research and Teaching Preserve, The Vincent and Elinor Ostrom in Political Theory and Policy Analysis; Burnell C Fischer, PhD, CF, Indiana University, School of Public and Environmental Affairs, The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis; Rachael Bergmann, Indiana University, School of Public and Environmental Affairs, and Center for the Study of Institutions, Population and Environmental Change; Sean Sweeney, Indiana University, Center for the Study of Institutions, Population and Environmental Change; Lynne Westphal, PhD, USDA Forest Service Northern Research Station, and Indiana University, The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis, *Tree Survival in Social-Ecological Systems: Results of a 5-City Study*.  
**2:00** Shannon Lea Watkins\*, Indiana University; Sarah K Mincey, PhD, Indiana University; Jessica M Vogt, PhD, Furman University; Sarah E Widney, Indiana University; Burnell C Fischer, PhD, Indiana University; Rachael Bergmann, Indiana University; Lynne Westphal, PhD, U.S. Forest Service; Sean Sweeney, Indiana University, *The Distributional Results of Current Land-Use Decisions: Might Nonprofit Street Tree Plantings Reduce Disparity in Urban Canopy Cover?*.

- 1438. Climate Change and Indigenous Peoples (Sponsored by Human Dimensions of Global Change Specialty Group, Indigenous Peoples Specialty Group)**  
 Room: *Acapulco, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): RDK Herman, National Museum of the American Indian  
 CHAIR(S): RDK Herman, National Museum of the American Indian  
**12:40** Graciela M. Lu, PhD Candidate\*, University of Oregon, *Indigenous Rights, Protected Areas and Hydrocarbons in the Peruvian Amazon*.  
**1:00** Mucahid Mustafa Bayrak\*, Geography and Resource Management Department, The Chinese University of Hong Kong; Lawal Mohammed Marafa, Geography and Resource Management Department, The Chinese University of Hong Kong, *Rural livelihoods, forest conservation and REDD+ in Vietnam*.  
**1:20** Jinho Chung\*, University College London, *Political Ecology of Community-Based Adaptation to Climate*

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- 1:40** Daniel Ferguson\*, University of Arizona; Michael Crimmins, University of Arizona; Alison M. Meadow, University of Arizona, *How can a transdisciplinary approach to environmental monitoring support tribal sovereignty?*.

**1439. Turkish Urban Economic Research**

- Room:** *Atlanta, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Fatih Kaan Akyar, Istanbul University  
 CHAIR(S): Fatih Kaan Akyar, Istanbul University  
**12:40** Fatih Kaan Akyar\*, Istanbul University, *Changes of Development Dynamics: Transition from Exogenous to Endogenous in Regional Development Dynamics.*  
**1:00** Sinan Ataer\*, Istanbul University, *Institutional Change and Its Effects to the Sustainable Urban Development in Istanbul.*  
**1:20** Seda Bayrakdar\*, Istanbul University, *Entrepreneurship Profile of Istanbul.*  
**1:40** Muge Yetkin Ataer\*, Marmara University, *Intergovernmental Fiscal Transfers As a Solution to Urban Educational Inequalities.*

**1440. Volunteering, Ethics, and Satisfaction**

- Room:** *Hong Kong, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Program Committee  
 CHAIR(S): Dan He, College of Arts and Sciences of Beijing Union University  
**12:40** Sam McLachlan\*, University of Otago; Tony Binns, University of Otago; Sebastian Filep, University of Otago, *Exploring international development volunteering in the Pacific Region: Volunteer Service Abroad's UNIVOL programme.*  
**1:00** Dan He\*, College of Arts and Sciences of Beijing Union University, *Research on the Satisfaction of Public Cultural Facilities in Beijing Based on Network Evaluation.*

**1441. Carceral Geographies III: Activity, Agency and Organisation.**

- Room:** *New Orleans, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Jennifer Turner, University of Leicester; Dominique Moran, University of Birmingham  
 CHAIR(S): Jennifer Turner, University of Leicester  
**12:40** Katie Hemsworth\*, Queen's University, *"Prisoner's Talking Blues": Music, emotion, and spatiality in prisons.*  
**1:00** Orisanmi Burton\*, University of North Carolina at Chapel Hill, *The Politics of Containment: Prison-Based Activism in the Empire State.*  
**1:20** Lloyd Alexander Gray\*, Institute of Education, London, *How do prisoners experience and perceive the education environment within a prison? An interpretative phenomenological analysis approach.*  
**1:40** Geraldine Brown\*, Coventry University; Elizabeth Bos, Coventry University; Geraldine Brady, Dr, Coventry University; Moya Kneafsey, Dr, Coventry University; Martin Glynn, Dr, University of Wolverhampton, *A holistic evaluation of delivering a community based food growing mentoring programme in a prison setting with substance misuse offenders.*  
 Discussant(s): Shaul Cohen, University of Oregon

**1442. Spaces of Emergent Authority: Embodiment, Matter and Common Life**

- Room:** *Regency A, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Julian Brigstocke, Cardiff University; Leila Dawney, University of Brighton, UK  
 CHAIR(S): Claire Blencowe, University of Warwick  
 Introducer: Julian Brigstocke  
**12:50** Leila Dawney\*, University of Brighton, UK, *Authority's grip: attachments and alienations.*  
**1:10** Juliane Collard\*, University of British Columbia, *Embodied*

*Subjects, Emergent Authorities: Theorizing an Approach to Assisted Reproduction.*

- 1:30** Elsa Noterman\*, University of Wisconsin, *Manufacturing the commons through differential commoning.*  
**1:50** Tehseen Noorani\*, Johns Hopkins University, *Psychedelic Encounters: Clinical Research and the Authority of Experience.*  
 Discussant(s): Claire Blencowe, University of Warwick

**1443. Stories of Cosmopolitan Belonging, Emotion and Location 1: Institutions, Tools and Methods of Belonging**

- Room:** *Regency B, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Hannah Jones, University of Warwick; Emma Jackson, Goldsmiths  
 CHAIR(S): Emma Jackson, Goldsmiths  
**12:40** Tina Harris\*, University of Amsterdam, *Borderland Airports, Cosmopolitan Belongings.*  
**1:00** Kirsten Forkert, Birmingham City University; Emma Jackson, Goldsmiths, University of London; Hannah Jones\*, University of Warwick, *Whose Feelings Count? Performance Politics, Emotion, and Government Immigration Control.*  
**1:20** Alison Rooke\*, Goldsmiths College, *Picking up the pieces? Socially engaged art practice as care work.*  
**1:40** Arianna Martinez\*, LaGuardia Community College, City University of New York, *Queer Belonging In Jackson Heights, New York.*  
**2:00** Melanie Knight, PhD.\*, Ryerson University, *"I Need to Re-brand Myself": Branding, Citizenship, Belonging and Black Diasporic Women in Enterprise.*

**1444. Subconference 1**

- Room:** *Regency C, Hyatt, West Tower, Gold Level* (Panel Session)  
 ORGANIZER(S): Elsa Noterman, University of Wisconsin - Madison  
 CHAIR(S): Andrea Craft, University of Illinois At Chicago  
 Introducer: Sarah Stinard-Kiel  
 Discussant(s): Anna Feigenbaum, Bournemouth University  
 Panelists: Elyse Gordon, University of Washington; Jessica Budds, University of East Anglia; Nina Gribat, TU Berlin

**1445. Thinking the Urban from?.(II) relations (Sponsored by China Specialty Group, Urban Geography Specialty Group, Africa Specialty Group)**

- Room:** *Regency D, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Fulong Wu, University College London; Jennifer Robinson, University College London; Garth Andrew Myers, Trinity College  
 CHAIR(S): Garth Andrew Myers, Trinity College  
**12:40** Ola Söderström\*, University of Neuchâtel, *What happens if? we start with city relations?.*  
**1:00** C.P. Pow\*, National University of Singapore, *From Berkeley and beyond: Eco-cities as travelling ideas.*  
**1:20** Stephan Lanz\*, Europa-Universität Viadrina in Frankfurt (Oder), Germany, *Ruled by the Logic of 'Trans-': The Research Approach of the Project 'Global Prayers'.*  
**1:40** Xuefei Ren\*, Michigan State University, *Learning from China and India.*  
 Discussant(s): Kevin Ward, University of Manchester

**1446. Governing Regional Sustainability Transitions: Geographical Perspectives #1**

- Room:** *San Francisco, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Rob Krueger, Worcester Polytechnic Institute; Gerd Lintz, Leibniz Institute of Ecological Urban and Regional Development  
 CHAIR(S): Gerd Lintz, Leibniz Institute of Ecological Urban and Regional Development  
**12:40** Isa Baud\*, University of Amsterdam; Elisabeth Peyroux, dr., National Centre for Scientific Research, UMR Prodig, Paris.; Dianne Scott, prof. dr., School of Built



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Environment and Development Studies, University of KwaZulu-Natal; Karin Pfeffer, dr., University of Amsterdam, Department of Human Geography, Planning and International Development Studies; Shazade Jameson, MA IDS, University of Amsterdam, Department of Human Geography, Planning and International Development Studies, *Urban governance configurations: an analytical framework for advancing sustainable cities.*

**1:00** Filippo Celata\*, Sapienza University of Rome; Venere Stefania Sanna\*, Sapienza University of Rome, *Community activism and sustainability: a multi-dimensional assessment.*

**1:20** Karin Pfeffer\*, University of Amsterdam; Isa Baud, University of Amsterdam, Department of Human Geography, Planning and International Development Studies; Dianne Scott, School of Built Environment and Development Studies, University of KwaZulu-Natal; Liliana Miranda Sara, City for Life Forum, Peru; Catherine Sutherland, School of Built Environment and Development Studies, University of KwaZulu-Natal, *Spatial knowledge configurations in the domain of urban water and climate change governance.*

**1:40** Tassilo Herrschel, author\*, University of Westminster; Yonn Dierwechter, author, University of Washington, *Smart City-Regional Governance: A 'Dual Transition'.*

**2:00** Byron Miller\*, University of Calgary; Samuel Moessner, University of Freiburg, *Governing Regional Sustainability Transitions: Comparing Obstacles, Inefficiencies and Contradictions in the Calgary and Freiburg Metropolitan Regions.*

## **1447. Voluntary Private Land Conservation (Sponsored by Rural Geography Specialty Group)**

**Room:** Toronto, Hyatt, West Tower, Gold Level (Interactive Short Paper Session)

ORGANIZER(S): Jacob C. Brenner, Ithaca College

CHAIR(S): Jacob C. Brenner, Ithaca College

Introducer: Jacob C. Brenner

**12:45** Adena Rissman, Ph.D.\*, University of Wisconsin - Madison, *Challenges of Adapting Conservation Easements to Climate and Landscape Change.*

**12:50** John E. Quinn\*, Furman University, *Do private land conservation easements embody sparing or sharing?.*

**12:55** Francis Masse\*, York University, *Beyond State-Based Conservation: The Role of Private Conservancies in Combating Commercial Poaching in Mozambique and South Africa.*

**1:00** Kathleen A. Farley\*, San Diego State University; Arielle Levine, San Diego State University; Kyle Walsh, San Diego State University, *Opportunities for and Obstacles to Voluntary Private Land Conservation in San Diego County.*

**1:05** Alex Pulsipher\*, Independent Scholar, *Voluntary Private Land Conservation on 70 forested acres in Tennessee: Relationship building with the NRCS.*

**1:10** Sean J Pries, MS\*, University of California, Davis, *Forever\* The Political Ecology of Conservation Easements on the North Fork American River.*

**1:15** Chloe Bradley Wardropper\*, UW-Madison, *Trading conservation on private lands: Modeling and measuring success in water quality trading with farmers.*

**1:20** Timothy B. Norris\*, University of Miami, *Private Conservation or People's Parks: the emergence of voluntary private conservation in the communities of the Cordillera Huayhuash, Peru..*

**1:25** Alice E. Mulder, PhD\*, Weber State University, *Then and Now: A re-view of the last 15 years of voluntary private land conservation by land trusts in the Hudson Valley, NY.*

**1:30** Jacob C. Brenner, PhD\*, Ithaca College, *The Problem of*

*Preserving 'Rural Character' on Private Lands.*

## **1448. "The James R. Anderson Distinguished Lecture in Applied Geography's Future in the United States: Geography in the United States." (Sponsored by AAG Jobs and Careers Theme, Applied Geography Specialty Group)**

**Room:** Crystal A, Hyatt, West Tower, Green Level (Panel Session)

ORGANIZER(S): Jerome E. Dobson, University of Kansas;

Timothy Hawthorne, Georgia State University; Bill Hodge, GISCI

CHAIR(S): Timothy Hawthorne, Georgia State University

Panelists: Jerome E. Dobson, University of Kansas; Alexander B. Murphy, University of Oregon; Lee R. Schwartz, U.S. Department of State

## **1449. Peripheral Visions: Security by, and for, whom? II: Territoriality, identity and the governing of security**

**Room:** Crystal B, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Kathrin Hörschelmann, Leibniz-Institute for Regional Geography; Catherine Cottrell, Aberystwyth University; Matthew Benwell, Newcastle University

CHAIR(S): Catherine Cottrell, Aberystwyth University

**12:40** Alena Pfoser\*, Leibniz Institute for Regional Geography, *'How can we forget?' Narrating insecurity and conviviality in the Russian-Estonian borderland.*

**12:58** Katherine Botterill\*, Newcastle University; Peter Hopkins, Newcastle University; Gurchathen Sanghera, University of St Andrews; Rowena Arshad, University of Edinburgh, *Securing Disunion: Nationalism, identity and (in)security in the campaign for an independent Scotland.*

**1:16** Matthew Benwell\*, Newcastle University, *Feeling 'Secure' and yet peripheral: young people's everyday experiences of security in a British Overseas Territory.*

**1:34** Elanna Nolan, PhD student\*, University of British Columbia, *National security and the prevention paradox: Impacts of 'soft' security interventions on marginalized youth.*

**1:52** Kanina Holmes\*, *Still No Life Like It: Canadian Military Spouses, Online Social Networking and Resistances.* Discussant(s): Volker Eick, Republikanischer Anwältinnen- und Anwälteverein

## **1450. Dynamic Suburbs, Part 1**

**Room:** Crystal C, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Deirdre Pfeiffer, Arizona State University;

Guillaume Poiret, Paris Est University

CHAIR(S): Deirdre Pfeiffer, Arizona State University

**12:40** John Rennie Short\*, University of Maryland Baltimore County; Bernadette Hanlon, Ohio State University, *New Urban Realities: Resurging Cities, Changing Suburbs.*

**1:00** Katrin B. Anacker\*, George Mason University, *Still Queerifying the Suburbs? Analyzing Property Values in Male and Female Same-Sex Suburbs in the United States.*

**1:20** Olivia Ildefonso\*, CUNY - Graduate Center, *Diverse Suburbs and Nativism in Public School Education.*

**1:40** Yoshimichi Yui\*, Hiroshima University, *Shrinking suburbs in aging society in Japanese metropolises.*

**2:00** Deirdre Pfeiffer\*, Arizona State University, *Racial Equity in the Post-Civil Rights Suburbs? Evidence from U.S. Regions in the 2000s.*

## **1451. Migration and Development in China III (Sponsored by China Specialty Group, Population Specialty Group, Economic Geography Specialty Group)**

**Room:** Stetson A, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Wei Xu, University of Lethbridge; Jianfa Shen, Chinese University of Hong Kong

CHAIR(S): Jianfa Shen, Chinese University of Hong Kong

**12:40** Cindy Fan\*, UCLA; John Zhongdong Ma, Hong Kong

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University of Science and Technology, *Labor Migration, Employment, and Occupational Changes in China, 1985 to 2010*.

**1:00** Leif Johnson\*, University of Kentucky; Li Zhang, Dr, Fudan University Dept. of Social Development and Public Policy, *Estimating the Value of Migration: Nongmingong Contributions to Local Government Revenue Across China*.

**1:20** Jianfa Shen, Professor\*, Department of Geography and Resource Management, The Chinese University of Hong Kong; Lei Wang, PhD, Department of Geography and Resource Management, The Chinese University of Hong Kong, *A study on the relationship between urban competitiveness and migration in YRD and PRD regions in China*.

**1:40** Wei Xu\*, Univ. of Lethbridge, *Co-evolutionary processes of migration and development: what can we learn from China?*.

**1452. Mountain Landscapes and Communities in a Changing World - Part I (Sponsored by Human Dimensions of Global Change Specialty Group, Landscape Specialty Group, Mountain Geography Specialty Group)**

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Molly H. Polk, University of Texas at Austin; Jeff La Freniere, Gustavus Adolphus College

CHAIR(S): Molly H. Polk, University of Texas at Austin  
**12:40** Benjamin J Prince\*, Texas State University - San Marcos, *The Appalachian Trail: an Investigation into Visual Discourse & Landscape Production*.

**1:00** Johanna Carolina Jokinen\*, Uppsala University, *Agricultural land use change in peri-urbanizing out-migration communities in Bolivia*.

**1:20** Keith Bosak\*, The University of Montana, *Impacts of Climate Change and Changes in Socio-Economic Structure on Indigenous Populations in the Garhwal Himalaya, India*.

**1:40** Wolfgang Gurgiser\*, Center for Climate and Cryosphere, University of Innsbruck; Ben Marzeion, Center for Climate and Cryosphere, University of Innsbruck; Marlis Hofer, Center for Climate and Cryosphere, University of Innsbruck; Katrin Singer, Institute of Geography, University of Hamburg; Martina Neuburger, Institute of Geography, University of Hamburg; Georg Kaser, Center for Climate and Cryosphere, University of Innsbruck, *Changing water availability in the Callejon the Huaylas, Cordillera Blanca, Peru*.

**2:00** Martina Neuburger\*, Institute of Geography, University of Hamburg; Katrin Singer, Institute of Geography, University of Hamburg; Jana Lüdemann, Institute of Geography, University of Hamburg; Wolfgang Gurgiser, Center for Climate and Cryosphere, University of Innsbruck; Marlis Hofer, Center for Climate and Cryosphere, University of Innsbruck; Georg Kaser, Center for Climate and Cryosphere, University of Innsbruck, *Water availability under climate change conditions and its social construction in the Cordillera Blanca region*.

**1453. Energy Mapping and Modeling I (Sponsored by Cartography Specialty Group, Energy and Environment Specialty Group)**

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Olufemi Omitaomu, Oak Ridge National Laboratory; Kirby Calvert

CHAIR(S): Kirby Calvert  
**12:40** Jim Kuiper\*, Argonne National Laboratory; Vladimir Koritarov, Argonne National Laboratory; Kevin Hlava, Argonne National Laboratory; Andrew Orr, Argonne National Laboratory, *A Web-based Energy Planning Tool for the Eastern U.S.*

**1:00** Jenny Melius\*, National Renewable Energy Laboratory;

Robert Margolis, National Renewable Energy Laboratory, *GIS Methods for Estimating Rooftop Suitability for PV*.

**1:20** Shaun Fontanella\*, Ohio State University, *Designing an Energy Information System to Decrease Building Electricity Consumption*.

**1:40** Carolyn Fish, M.S.\*, Pennsylvania State University; Kirby Calvert, Ph.D., Pennsylvania State University, *Web-based Renewable Energy Map Design Evaluation*.

**2:00** Brittaney Ross\*, Elevate Energy, *Applying GIS to Characterize Neighborhoods by Housing Stock and Energy Efficiency Potential*.

**1454. Governance of Polar Regions (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* Stetson E, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Scott Stephenson, University of Connecticut; Kelsey Nyland, George Washington University

CHAIR(S): Scott Stephenson, University of Connecticut  
**12:40** Jessica Shadian\*, Aarhus Institute of Advanced Studies (AIAS), Aarhus University, *Not thinking like a state: Territoriality and Inuit governance*.

**1:00** Heather Nora Nicol\*, Trent University, *Negotiating complexity in the Canadian North: A critique of some basic regional assumptions*.

**1:20** Alana Shaw\*, University of Georgia, *"The Sea is Our Garden": Iñupiaq Subsistence, the 'Politics of Nature' and the Communicative Façade at the Heart of the Arctic Offshore Drilling Program*.

**1:35** Kristen L. Shake\*, Graduate School of Geography, Clark University; Karen E. Frey, Graduate School of Geography, Clark University; Deborah G. Martin, Graduate School of Geography, Clark University, *Governing space in a changing polar context: Exploring the linkages between science, policy and law in terrestrial and oceanic systems of the Arctic and Antarctic*.

**1:50** Genevieve Parente\*, University of British Columbia, *Governance in Russia's Arctic Natural Resource Centers: Extending Norilsk's Migration Restrictions*.

**2:05** Alexander Sergunin\*, St. Petersburg State University, *The Russian discourse on the Arctic governance*.

**1455. Legal Geographies I: Law, Colonialism and Capitalism: International Law (Sponsored by Socialist and Critical Geography Specialty Group, Indigenous Peoples Specialty Group)**

*Room:* Stetson F, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Reecia Orzeck, Illinois State University; Tyler McCreary, York University; Joshua Barkan, University of Georgia

CHAIR(S): Reecia Orzeck, Illinois State University  
**12:40** Adil Hasan Khan\*, IHEID, Geneva, *Colonial Times, TWAIL and the Tasks of Tragic Inheritance*.

**1:00** Joshua Barkan\*, University of Georgia, *Corporate Nationality: Legal Politics and the Geography of Capitalism in a Global Age*.

**1:20** Robert Knox\*, Lecturer in Law, University of Liverpool, *From Bandung to Havana: International Law, Third Worldist Resistance and the Uneven Development of Global Capitalism*.

**1:40** Laura Matson\*, University of Minnesota, *Extracting Rights: indigenous resources, international law, and the state*.

**2:00** Tayyab Mahmud\*, Seattle University Law School, *Colonial Cartographies And Postcolonial Borders*.

**1456. Digital Connectivity, Inclusion, and Inequality at the World's Economic Peripheries 3 (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)**

*Room:* Stetson G, Hyatt, West Tower, Purple Level (Paper Session)

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ORGANIZER(S): Christopher Foster, University of Oxford;  
Mark Graham, University of Oxford

CHAIR(S): Mark Graham, University of Oxford

**12:40** Emma Slager\*, University of Washington, *Comparing Media Framings of Wireless Mesh Networks*.

**1:00** Ryan Burns\*, University of Washington, "Let the private sector take care of this": Toward a Political Economy of Digital Humanitarianism.

**1:20** Barney Warf\*, University of Kansas, *E-government and Digital Exclusivity in Asia*.

**1:40** Muge Haseki\*, Rutgers University, *Connect to Survive?: Technology Use of Immigrant Women Entrepreneurs in an Urban Economy*.

**2:00** Adriana Braga\*, Pontifical Catholic University of Rio de Janeiro; Robert Logan, OCAD/Canada, *Mobile Guerrilla: Social uses of cell phone In Brazil*.

**1457. Geographies of Media III: Multicultural media, international migration, and transnationalism (Sponsored by Cultural Geography Specialty Group, Ethnic Geography Specialty Group, Communication Geography Specialty Group)**

*Room:* Addams, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Luisa Veronis, University of Ottawa; Emily Skop, The University of Colorado At Colorado Springs

CHAIR(S): Luisa Veronis, University of Ottawa  
**12:40** Joel Pedraza\*, Higher Studies in Social Anthropology Research Centre, *Interpersonal Communication in transnational families: México-United States migratory circle*.

**1:00** Luisa Veronis\*, University of Ottawa; Rukhsana Ahmed, PhD, Department of Communication, University of Ottawa, *Multicultural media and immigrant settlement among four communities in Ottawa, Canada*.

**1:20** Violaine Jolivet\*, Université de Montréal, *Feeling at home through networks? The Haitian diaspora in Montréal and the construction of connected belongings..*

**1:40** Emily Skop\*, The University of Colorado At Colorado Springs, *Thirdspace as Transnational Space*.

Discussant(s): Sutama Ghosh, Ryerson University

**1458. Sense of Place and Place Geographies III: History's Influence on Place (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group)**

*Room:* Burnham, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Rex Rowley, Illinois State University;  
Stephanie Willis, University of Kansas

CHAIR(S): Rex Rowley, Illinois State University  
**12:40** Emma Jay Walcott-Wilson\*, Missouri University, *The Heart of the Home: Volunteer Educators and the Narratives of Place in a Civil War Household*.

**1:00** Elizabeth Hines, Ph.D.\*, University of North Carolina Wilmington, *District Six, A Multi-Ethnic, Centrally-Located Agglomeration of Neighborhoods in Cape Town, Was Destroyed by Apartheid, Yet it Lives*.

**1:20** Jessey Gilley\*, University of Kansas, *A Bumpy Road to the Billion Dollar Coalfield: Mobile Senses of Place in West Virginia's Pocahontas Coalfield, 1920s to 1930s*.

**1:40** Julian Barr\*, University of Washington, *Welcome to the Gay-borhood: Identifying Historic Characteristics of a Potential LGBT District in St. Louis*.

Discussant(s): Stephanie Willis, University of Kansas

**1459. HRDSG Session: Challenges in Disaster Recovery (Sponsored by Hazards, Risks, and Disasters Specialty Group)**

*Room:* Dusable, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Laura Kathryn Siebeneck, University of North Texas

CHAIR(S): Laura Kathryn Siebeneck, University of North Texas

**12:40** Elyse Zavar\*, Southern Connecticut Stat University, *The Role of Magnetic Agents in Post-Buyout Land Use Decision-Making*.

**1:00** Graham A. Tobin\*, University of South Florida; Nicole

S Hutton, University of South Florida; Linda M Whiteford, University of South Florida, *Translation of Collective Action into Recovery: Post-Disaster Christchurch, New Zealand*.

**1:20** Martha Pym\*, Graduate School of Design, *The Universality of Universal Standards? A Study of the Application of SPHERE Standards in Urban, Post-Disaster Haiti*.

**1:40** Deborah Thomas\*, University of Colorado Denver; Andrew Rumbach, PhD, University of Colorado Denver; Jeannette Rodrigues, University of Colorado Denver; Issamar Pichardo, University of Colorado Denver; Lily Lizarraga, University of Colorado Denver; Jeremy Nemeth, PhD, University of Colorado Denver; Carrie Makarewicz, PhD, University of Colorado Denver, *Recovery of Latino Communities after the September 2013 Colorado Flash Floods*.

**1460. Environmental Justice in Comparative Perspective: Case Studies from Miami, Florida (Sponsored by Hazards, Risks, and Disasters Specialty Group)**

*Room:* Field, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Timothy W. Collins, University of Texas - El Paso; Jayajit Chakraborty, University of Texas - El Paso; Sara E. Grineski, University of Texas at El Paso

CHAIR(S): Marilyn C. Montgomery, Wharton Risk Center

**12:40** Timothy W. Collins\*, University of Texas - El Paso; Sara E. Grineski, Ph.D., University of Texas-El Paso; Jayajit Chakraborty, Ph.D., University of South Florida; Marilyn C. Montgomery, Ph.D., Wharton Risk Management and Decision Processes Center, *Determinants of Household-level Air Toxics Cancer Risk Disparities in Greater Miami, Florida*.

**1:00** Marilyn C. Montgomery, PhD, GISP\*, Wharton Risk Management and Decision Processes Center; Jayajit Chakraborty, PhD, University of South Florida; Timothy W. Collins, PhD, University of Texas - El Paso; Sara E. Grineski, PhD, University of Texas - El Paso, *Effects of Dasymeric Modeling on Environmental Justice Analyses of Flood Hazards Exposure*.

**1:20** Jayajit Chakraborty\*, University of Texas at El Paso; Timothy W. Collins, University of Texas-El Paso; Sara E. Grineski, University of Texas-El Paso; Marilyn C. Montgomery, Wharton Risk Management and Decision Processes Center, *Cancer Risks from Exposure to Vehicular Air Pollution: A Household Level Analysis of Intra-Ethnic Inequities in Miami, Florida*.

**1:40** Sara E. Grineski\*, University of Texas at El Paso; Timothy W. Collins, University of Texas at El Paso; Jayajit Chakraborty, University of South Florida; Marilyn Montgomery, Wharton Risk Management and Decision Processes Center, *The roles of hazard types and characteristics on household-level patterns of environmental injustice in Greater Miami Florida*.

Discussant(s): Jeremy Mennis, Temple University

**1461. Glaciers, Rivers, and Soils: Topics in Geomorphology**

*Room:* Horner, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Robin Blomdin, Purdue University

**12:40** Jennifer L. Krstolic, Biogeographer\*, United States Geological Survey; John D Jastram, Hydrologist, United States Geological Survey; Kenneth E Hyer, Hydrologist, United States Geological Survey; Douglas L Moyer, Hydrologist, United States Geological Survey, *Geomorphological channel responses observed from pre-and post-construction monitoring indicated protection of Roanoke Logperch habitat during the Roanoke River Flood Reduction Project in Roanoke, Virginia, 2005 - 2012*.

**1:00** Haitao Zhang\*, Huazhong Agricultural University, *Spatial Distribution of Soil Heavy Metal Cu Content Using*

**TUESDAY, APRIL 21 • 12:40 PM - 2:20 PM • 1400***Cokriging Interpolation Model Combined With Principal Component Analysis.*

**1:20** Kory Allred\*, Northern Illinois University; Wei Luo, PhD, Northern Illinois University, *Modeling valley glacier presence through the use of hypsometric attributes.*

**1:40** Robin Blomdin\*, Purdue University, Department of Earth, Atmospheric, and Planetary Sciences; Jonathan M Harbor, Purdue University, Department of Earth, Atmospheric, and Planetary Sciences; Arjen P Stroeve, Stockholm University, Bolin Centre for Climate Research, Department of Physical Geography and Quaternary Geology; Dmitry A Perakov, Faculty of Geography, Lomonosov Moscow State University; Natacha Gribenski, Stockholm University, Bolin Centre for Climate Research, Department of Physical Geography and Quaternary Geology; Jakob Heyman, Stockholm University, Bolin Centre for Climate Research, Department of Physical Geography and Quaternary Geology; Mikhail Ivanov, Faculty of Geography, Lomonosov Moscow State University; Marc W Caffee, Purdue University, Department of Physics; Clas Hättestrand, Stockholm University, Bolin Centre for Climate Research, Department of Physical Geography and Quaternary Geology; Nathaniel A Lifton, Purdue University, Department of Earth, Atmospheric, and Planetary Sciences; Irina Rogozhina, GFZ German Research Centre for Geosciences; Ryskul Usabaliev, Central Asian Institute of Applied Geosciences, *Late Glacial to late Holocene exposure ages from glacial moraines in Ak-Shyrak, central Kyrgyz Tian Shan.*

**1462. Re-Imagining Our Social Economies: Constructing Alternatives to the Neoliberal Paradigm?**

*Room:* McCormick, Hyatt, West Tower, Silver Level (Panel Session)  
 ORGANIZER(S): Alison Blay-Palmer  
 CHAIR(S): Alison Blay-Palmer  
 Discussant(s): Alison Blay-Palmer  
 Panelists: Molly Anderson; Karen Landman, University of Guelph; Hannah Wittman, University of British Columbia; Terry Marsden, Cardiff University

**1463. Addressing new political and socio-cultural challenges in Europe since the 2007-2008 financial crisis (Sponsored by Political Geography Specialty Group, European Specialty Group)**

*Room:* Ogden, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Stephanie Wilbrand, University of Wisconsin - Madison; Kara Dempsey, DePaul University  
 CHAIR(S): Shelley Grant, Queen Mary College, University of London  
**12:40** Theano S. Terkenli\*, University of the Aegean, *The Relationship Landscape-Tourism, a Solution to Crisis: The Case of Greece.*  
**1:00** Elena Ion\*, Harvard University, *Infrastructures of Scarcity: Development along the European Union's Eastern Border.*  
**1:20** Efsthatia Armpatzis, Erasmus University Rotterdam; Martijn Burger\*, Erasmus University Rotterdam; Ruut Veenhoven, Erasmus University Rotterdam, *Financial Distress and Happiness of Employees in Times of Economic Crisis.*  
**1:40** Shelley Grant\*, Queen Mary College, University of London, *Abortion access: Are big-data analyses likely to nullify or expose the fragility of women's private health care elections?.*

**1464. Moral Ambiguity and Urban Change (Sponsored by Urban Geography Specialty Group)**

*Room:* Wright, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Jeremy T. Stone, University of British Columbia

CHAIR(S): Jeremy T. Stone, University of British Columbia

**12:40** Jeremy T. Stone\*, University of British Columbia, *Challenging the Paradigm of Difference: Gentrification and Uncertainty in Competitive Economies.*

**1:00** Trushna Parekh\*, Texas Southern University, *Coming Home to Tremé?: Black Gentrification in Tremé, New Orleans.*

**1:20** Sonia Lehman-Frisch\*, University of Paris Ouest-Nanterre-La Defense, *San Francisco, The Unequal Metropolis.*

**1:40** Katherine Alexandra Burnett\*, University of Victoria, *Space for Artists and Students: First-Wave Gentrification and the Government of Radical Subjects in Vancouver, British Columbia.*

Discussant(s): Atiya Jaffar, University of Guelph

**1465. Developments in World City Network Analyses (1) (Sponsored by Urban Geography Specialty Group)**

*Room:* Michigan A, Hyatt, East Tower, Ped Path (Paper Session)  
 ORGANIZER(S): Ben Derudder, Ghent University; Peter J. Taylor, Northumbria University; Zachary Neal, Michigan State University  
 CHAIR(S): Ben Derudder, Ghent University  
**12:40** Celine Rozenblat\*, Université De Lausanne; Faraz Zaidi, University of Lausanne and City College of New York; Antoine Bellwald, University of Lausanne, *Communities of World Cities In The Multinational Firm Networks 2006-2013.*  
**1:00** César Blaise Ducruet\*, CNRS / UMR 8504 Géographie-cités, *Regional and topological changes in the worldwide maritime network, 19th-21th c..*  
**1:20** Ben Derudder\*, Ghent University; Peter Taylor, Northumbria University, *Comparative connectivities in the world city network.*  
**1:40** Teodora Dogaru\*, Martijn Burger, Erasmus University Rotterdam; Frank Van Oort, Utrecht University; Bas Karreman, Erasmus University Rotterdam, *The geography of multinational corporations in Central and Eastern European countries.*  
**2:00** Ronald Wall\*, Erasmus University, *Multilevel Determinants of Investment into Global Cities.*

**1466. Micropolitics of environmental governance, institutional arrangements and grassroots development 1 (Sponsored by Development Geographies Specialty Group)**

*Room:* Michigan B, Hyatt, East Tower, Ped Path (Paper Session)  
 ORGANIZER(S): Mireya Bravo Frey, Clark University  
 CHAIR(S): Mireya Bravo Frey, Clark University  
**12:40** Manuela Ruiz Reyes\*, Syracuse University, *Environmental Governance and Development Planning: The case of the Peasant Reserve Zones of Colombia..*  
**1:00** Colin T. Higgins\*, University of Wisconsin - Madison, *Variable Legal Geographies: Biodiversity Offsets and the Problem of Market Formation in the United Kingdom.*  
**1:20** Claudia Maria Monzon, PhD\*, University of Florida, *Decisions In Agricultural Fire-Use: Examining Motivations For Wildfire Prevention In A Multi-Level World.*  
**1:40** Lindsay Skog\*, University of Colorado at Boulder, *Producing the sacred: A spatial analysis of articulations between global discourses and the spiritual territory of Khumbu, Nepal.*  
 Discussant(s): Ingrid L. Nelson, University of Vermont

**1467. Critical Pedagogy in Geography III: Teaching to transgress, teaching community: bell hooks and feminist geographic pedagogies (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)**

*Room:* Michigan C, Hyatt, East Tower, Ped Path (Panel Session)  
 ORGANIZER(S): Kristin M. Sziarto, University of Wisconsin - Milwaukee; Nicole Laliberte, University of Toronto -

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CHAIR(S): Nicole Laliberte, University of Toronto - Mississauga  
Introducer: Kristin M. Sziarto

Discussant(s): Garrett Graddy-Lovelace, American University  
School of International Service; Carrie Mott,  
University of Kentucky; Nicole Laliberte, University  
of Toronto - Mississauga

Panelists: Sara H. Smith, University of North Carolina; Melissa  
Arielle Harkavy, University of Colorado, Boulder

## 1468. Geographies of the Holocaust and Genocide 3: Geography's Tragic Turn (Sponsored by Historical Geography Specialty Group)

Room: Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Anne Kelly Knowles, Middlebury College

CHAIR(S): Claudio Minca, Wageningen University

12:40 Paolo Giaccaria\*, University of Torino; Claudio Minca,  
Wageningen University, *Nazi geo-biopolitical  
ontologies..*

1:00 Trevor J. Barnes\*, University of British Columbia, *Tangled  
complicities and moral struggles: the Haushofers,  
father and son, and the spaces of Nazi geopolitics..*

1:20 John Cloud\*, NOAA Central Library, *The Holocaust and  
the Tragic Roots of Geographic Information Systems.*

Discussant(s): Anne Kelly Knowles, Middlebury College

## 1469. Political Ecology and Social-Ecological Interactions of Food Production and Systems III: History and Land Change in Food Producing Landscapes (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Russell Hedberg, Pennsylvania State  
University; Karl S. Zimmerer, Pennsylvania State  
University

CHAIR(S): Russell Hedberg, Pennsylvania State University

12:40 Case Watkins\*, Louisiana State University, *An Afro-  
Brazilian biofuel: Traditional foodways, modern  
development, and palm oil in Bahia, Brazil.*

1:00 Rami Ahmad Zurayk, Professor of Ecosystem  
Management\*, Faculty of Agricultural and Food  
Sciences, American University of Beirut; Cynthia  
Gharios, Research assistant, American University of  
Beirut; Saker Helal el-Nour, Post-doctoral researcher,  
American University of Beirut; Martha Mundy,  
Professor Emerita, London School of Economics and  
Political Science, *The Transformation of the Food  
Producing Landscapes in a Village of Jabal 'Amil  
(South Lebanon).*

1:20 Martha G. Bell\*, Pennsylvania State University, *"Wheat  
is the Nerve of the Whole Republic": Landscape  
Perspectives on Urban Food Governance in Colonial  
Lima, Peru (1535-1705).*

1:40 Zhe Yu Lee\*, Macalester College, *Farmer discontent in  
periurban Bangalore: Agricultural modernization,  
neoliberal developmentalism and the making of the  
21st century global city.*

Discussant(s): William G. Moseley, Macalester College

## 1473. Dendrochronology III: Disturbance Ecology (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Lucerne 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Christopher M. Gentry, Austin Peay State  
University; Stockton Maxwell, Radford University;  
Jodi N. Axelson, University of Victoria

CHAIR(S): Aquila Flower, Western Washington University

12:40 Andres Holz\*, DendroEcology Lab, Department of  
Geography, Portland State University; Sam Wood,  
University of Tasmania, Australia; Thomas T. Veblen,  
University of Colorado, Boulder; David Bowman,

University of Tasmania, Australia, *High severity fires,  
positive fire feedbacks and alternative stable states in  
Athrotaxis ecosystems in western Tasmania.*

1:00 Jodi N. Axelson\*, University of Victoria; Dan J Smith,  
University of Victoria; René Alfaro, Pacific Forestry  
Centre, Natural Resources Canada; Holger Gärtner,  
Swiss Federal Research Institute WSL, *Impacts of  
western spruce budworm outbreaks on the wood  
density properties and anatomical structure of  
Douglas-fir in the interior of British Columbia,  
Canada.*

1:20 Clay S Tucker\*, Louisiana State University,  
*Dendrotempestology: Using Coastal Pine Savanna  
Tree Cores to Identify Hurricane Storm Surge  
Inundation in Coastal Mississippi.*

1:40 Aquila Flower\*, Western Washington University, *Do  
Western Spruce Budworm Outbreaks Increase Fire  
Risk? A Dendrochronological Analysis of Inter-  
Disturbance Synergism.*

Discussant(s): Stockton Maxwell, Radford University

## 1474. [Spatiotemporal Symposium] Time Geography: Integrating Space with Time in Geographic Research (II) (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Hongbo Yu, Oklahoma State University; Shih-  
Lung Shaw, University of Tennessee; Kajsa Ellegård,  
Linköping University

CHAIR(S): Kajsa Ellegård, Linköping University

12:40 Helena Köhler\*, Department of Thematic Studies -  
Environmental Change, *What resources are needed  
to use fewer resources? A time-geographical study of  
household hot water use..*

1:00 Ying Song\*, The Ohio State University; Harvey J Miller,  
The Ohio State University; Xuesong Zhou, Arizona  
State University, *Estimating the Speed-related Costs of  
Network-Time Prisms with Applications in Emissions  
Modeling and Air Quality.*

1:20 Mattias Hellgren\*, Linköpings University, *Energy use,  
Everyday life and Time-geography.*

1:40 Qinyue Pan\*, Oklahoma State University, *Space-time path based  
clustering method to analyze gender difference on  
activity patterns.*

2:00 Kajsa Ellegård, Linköping University; Jenny Palm\*,  
Linköping University, *Homeliness - a concept to  
analyze people's use of their homes.*

## 1475. Economic Geography III - Institutions, Policy, and Economic Development (Sponsored by Economic Geography Specialty Group)

Room: Lucerne 3, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University College  
Dublin; David L. Rigby, UCLA; Jennifer Clark,  
Georgia Institute of Technology

CHAIR(S): David L. Rigby, UCLA

12:40 Daniel Hardy\*, London School of Economics and Political  
Science, *TALES OF TWO CITIES: Community, society  
and the economic adaptation of city-regions..*

1:00 Marc Doussard, University of Illinois at Urbana-  
Champaign, Urban and Regional Planning; Greg  
Schrock\*, Portland State University, Urban  
Studies & Planning, *Distribution as Development:  
Reconceptualizing "Progressive" Economic  
Development.*

1:20 Nichola Lowe\*, University of North Carolina-Chapel Hill;  
Maryann Feldman, University of North Carolina,  
Chapel Hill, *Breaking the Waves: Innovations at the  
Intersections of Economic Development Policy.*

1:40 Jennifer Clark\*, Georgia Institute of Technology, *Policy  
through Practice: The Role of Regional Intermediaries*

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*and Distributed Networks in Institutional Innovation at the City Scale.*

Discussant(s): Bjorn T. Asheim, Lund University, Sweden

**1476. New Directions in Geospatial Simulation: Graduate Research**  
**Room:** *Alpine 1, Swissôtel, Lucerne Level* (Interactive Short Paper Session)

ORGANIZER(S): Christopher Bone, University of Oregon; Arika Ligmann-Zielinska, Michigan State University

CHAIR(S): David O'Sullivan, University of California, Berkeley

**12:40** Jennifer Glaubius\*, University of Kansas; Xingong Li, University of Kansas; William C Johnson, University of Kansas, *Simulating the Evolution of Terraced Terrain with a Landscape Evolution Model Coupled With an Agent-based Model.*

**12:45** Seth Kenbeck\*, University of Oregon; Christopher Bone, University of Oregon; Cassandra Moseley, University of Oregon, *An Agent-Based Social Network Model of Spatial Variation in Policy Implementation in the US Forest Service.*

**12:50** Nicholas A. Perdue\*, University of Oregon; Amy K Lobben, University of Oregon, *Developing Agent Cognition: Transforming Psychometric Data to Agent Behavior.*

**12:55** Susan S Kum, MPH\*, University At Buffalo, *Geographically explicit agent-based modeling for designing health delivery strategies.*

**1:00** Emily Morris\*, University of Oregon; Chris Bone, University of Oregon, *Identifying spatial data needs for Chagas disease mitigation through agent-based modeling.*

**1:05** Cheng Guo\*, Helmholtz Centre for Environmental Research - UFZ, *Understanding urban sprawl using agent based modeling.*

**1:10** Liang Dai\*, Department of Geography, Ghent University, Belgium; Ben Derudder, Department of Geography, Ghent University, Belgium; Xingjian Liu, Department of Geography and Earth Sciences, University of North Carolina ? Charlotte, USA, *Generative network models for approximating urban networks: the case of Southeast Asia.*

**1:15** Benjamin Davies\*, The University of Auckland, *Modeling Late Holocene landscape use and the distribution of stone artefacts in arid western New South Wales, Australia.*

**1:20** Zhu Jin\*, Department of Geography, University at Buffalo; Mary Northridge, Department of Epidemiology and Health Promotion, New York University College of Dentistry; Hua Wang, Department of Communication, University at Buffalo; Carol Kunzel, College of Dental Medicine and Mailman School of Public Health, Columbia University; Susan Kum, Department of Geography, University at Buffalo; Sara Metcalf, Department of Geography, University at Buffalo, *The Influence of Social Support and Transportation on Older Adults' Access to Oral Healthcare.*

**1:25** Kel Markert\*, University of Alabama in Huntsville; Robert E. Griffin, Ph.D., University of Alabama in Huntsville, *Agent-Based Modeling of Fish Population Dynamics in the Lower Mekong River: Implications of Dams to Fish Habitat Selection, Population Grow Rates, and Reproductive Success of River Carp.*

**1:30** Yang Zhou\*, Cornell University, *Using Empirical Data to Simulate the Location Decision of High-tech Firms in the US: An Agent-based Approach.*

**1:35** Amir Najian\*, University of Texas at Dallas, *Simulation of Disoriented Movement Patterns in Cognitively Impaired Pedestrians: Optimizing Wandering Disutility Functions.*

Discussant(s): Steven M. Manson, University of Minnesota

**1478. Weather and Climate in the United States**

**Room:** *Zermatt/Gstaad, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Arthur N. Samel, Bowling Green State University  
**12:40** Ian Howard\*, University of Arkansas; John Harrington, Kansas State University, *Precipitation Seasonality in the United States.*

**1:00** Laiyin Zhu\*, Johns Hopkins University, *Extracting Daily Tropical Cyclone Precipitation Climatology from the Daily Rain Gauges for North America.*

**1:20** Laura Carnahan\*, UW-Oshkosh, *Winter Weather in Wisconsin - Is There A Repeating Pattern?.*

**1:40** Arthur N. Samel\*, Bowling Green State University, *Seasonal prediction of U.S. precipitation and temperature by the nested CWRf-ECHAM system.*

**1479. International Organizations for Planning of Cities and Urban Regions 3 (Sponsored by Latin America Specialty Group, Qualitative Research Specialty Group, Development Geographies Specialty Group)**

**Room:** *St. Moritz, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Betty Elaine Smith, Eastern Illinois University; Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul

CHAIR(S): Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul  
**12:40** XIAOWAN ZHANG\*, Columbia University, *The Making of Public Open Space Accessible to Underserved Populations in Urban Village.*

**1:00** Heeju Yoon\*, Chonnam National University, KOREA; Kyonghwan Park, Chonnam National University, KOREA, *Current situation and analysis of Korea's ODA institution.*

**1:20** Xin Li\*, University of Massachusetts - Amherst, *Industrial Relocation and Urban Expansion in Western Chinese Cities: A Case Study of Xining.*

**1:40** Daquan Huang\*, School of Geography, Beijing Normal University, Beijing 100875, China; Zhen Liu, School of Geography, Beijing Normal University, Beijing 100875, China; Xingshuo Zhao, Urban-Rural Planning Management Center, Ministry of Housing and Urban-Rural Development of China, Beijing 100835, China, *Evolving employment subcenters and their influence on population densities in Beijing, 2000-2010.*

**2:00** Jian Feng\*, Department of Urban and Regional Planning, Peking University; Yixing Zhou, Department of Urban and Regional Planning, Peking University, *Restructuring of Beijing's socio-spatial structure.*

**1480. Financial Questions in Economic Geography and in Regional Development (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)**

**Room:** *Grindelwald, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Balázs Forman, Corvinus University of Budapest

CHAIR(S): Balázs Forman, Corvinus University of Budapest

**12:40** Richard Perkins\*, Department of Geography and Environment, LSE, *Why do venture capital (VC) and private equity (PE) professionals invest in environmental technology?.*

**1:00** Silvia Lorenzo\*, Hunter College; Hongmian Gong, PhD, Hunter College, *Spatial Analysis of the Financial Crisis: Geographically Weighted Regression of Credit and Securities Clusters.*

**1:20** Sarah DeGiorgis\*, Rutgers University, *Mortgage Lending and Risk-Based Pricing.*

**1:40** Aidan While, Dr\*, University of Sheffield, *(De)carbonating economic geographies: theory, evidence and future research.*

**2:00** Seth Appiah-Opoku\*, University of Alabama, *Ebola and Challenges facing the Economic Community of West African States.*

**TUESDAY, APRIL 21 • 12:40 PM - 2:20 PM • 1400****1481. Geographic Perspectives from World-Systems Analysis (Sponsored by Political Geography Specialty Group)***Room:* Verbier, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Colin Flint, Utah State University; Raymond J. Dezzani, University of Idaho

CHAIR(S): Andrew E.G. Jonas, University of Hull

**12:40** Kees Terlouw\*, Utrecht University, *Competitive Urban Regions as New Imagined Spatial Communities dividing the World-System?***1:00** Colin Flint\*, Utah State University, *States in the Capitalist World-Economy: Understanding the Actor by Understanding the System.***1:20** Raymond J. Dezzani, Ph.D.\*, University of Idaho; Colin Flint, Ph.D., Utah State University, *There are no 'Stages of Economic Growth': A Framework for Modeling Processes of Change in the World-Economy.***1:40** Brendan E Gordon, M.S.\*, University of Idaho, *World-Systems and the Current European Economy.*

Discussant(s): Peter J. Taylor, Northumbria University

**1483. Historical Geography Around the World***Room:* 200 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Peter Ekman

**12:40** Katie Lynn Weichert\*, University of Wisconsin - Eau Claire, *The Paper Industry in the Wisconsin River Valley: An Historical Geography.***1:00** Pia Anderson, PhD\*, American University of Sharjah, *An Ethnohistorical Analysis of Culture Contact in East Africa between the 15th and 18th centuries.***1:20** Kyle T. Evered, PhD\*, Michigan State University; Emine Ö. Evered, PhD, Michigan State University, *A Conquest of Rice: An Historical Geography of Agrarian Capitalism and Malaria in Turkey.***1:40** Peter Ekman\*, University of California, Berkeley, *Diagnosing Suburban Ruin: Mumford, Speculation, and the Inorganic Life of Landscape.***1484. International and Comparative Education A (Sponsored by National Center for Research in Geography Education, International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)***Room:* 203 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Michael N. Solem, Association of American Geographers

CHAIR(S): Michael N. Solem, Association of American Geographers

**12:40** Phil Klein\*, University of Northern Colorado, *Perceptions of Colorado Geography Teachers about the Capabilities Approach.***1:00** John Fastier\*, University of Canterbury, College of Education, *Exploring GeoCapabilities in New Zealand school based geography standards.***1:20** Anke Uhlenwinkel\*, Humboldt-Universität zu Berlin, *Implications of different conceptual approaches to geographical analysis for the teaching and learning of powerful knowledge.*

Discussant(s): Péter Bagoly-Simó, Humboldt-Universität zu Berlin

**1485. Cognition, Behavior and Design, III: Pushing the boundaries with maps (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)***Room:* 204 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Amy Griffin, UNSW Canberra; Kenneth Field, Esri; Rui Li, SUNY - Albany

CHAIR(S): Kenneth Field, Esri

**12:40** Sara Irina Fabrikant\*, University of Zurich, *Affectively Responsive Visual Display Design.***1:00** Paddington Hodza\*, Wyoming Geographic Information Science Center; Cerian Gibbes, University of Colorado Colorado Springs, *Quantifying user experience (UX) of a Web-based narrative geovisualization.***1:20** William Cartwright, AM, PhD, EdD\*, RMIT University; Kenneth Field, PhD, Esri, *Exploring cartographic storytelling. Reflections on mapping real-life and fictional stories.***1:40** Stacy Rebich Hespahan\*, University of California, Santa Barbara, *Dimensionality Reduction for Data Visualization: A Comparison of SOM and t-SNE.***2:00** Glenn Xavier\*, University of Colorado; Somayeh Dodge, University of Colorado; Achara Simcharoen, King Mongkut's University of Technology; James L.D. Smith, University of Minnesota; Sean C Ahearn, City University of New York, *Dynamic Visualization of Movement in Relation to Spatiotemporal Context.***1486. Hydrology, Biogeosciences and Management in Human-Impacted Watersheds - II (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)***Room:* 300 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Luc Claessens, University of Delaware; Jonathan M. Duncan, UNC Chapel Hill

CHAIR(S): Luc Claessens, University of Delaware

**12:40** Jessica Morgan\*, U.S. EPA/University of Rhode Island; Naomi Detenbeck, U.S. EPA; Steven Rego, U.S. EPA; Yeqiao Wang, University of Rhode Island, *Predicting Biotic Community Response to Urbanization Using High-Resolution Landuse/Landcover Data.***1:00** John Christopher Hammond\*, Oregon State University, *Trends in Streamflow Above and Below Dams Across the Columbia River Basin from 1950 to 2012.***1:20** Beverley Wemple\*, Member, *Reconsidering linkages between sediment and nutrient production and management alternatives within upland forested landscapes: an example from the Lake Champlain Basin.***1:40** Timothy C. Matisziw\*, University of Missouri - Columbia, *Approaches for Modeling Landscape Corridors and Connectivity.***2:00** Luc Claessens\*, University of Delaware; Gerald Kauffman, University of Delaware; Kelsey Moxey, University of Delaware; Thomas Santangelo, University of Delaware, *Toward Innovative Approaches for Improving Water Quality: Linking Eco-Hydrology with Ecosystem Services at the Watershed Scale.***1487. Where's the Value? Emerging Digital Economies of Geolocation***Room:* 303 Classroom, University of Chicago Gleacher Center, 3rd Floor (Panel Session)

ORGANIZER(S): Jeremy Crampton, University of Kentucky; Agnieszka Leszczynski, University of Birmingham

CHAIR(S): Jeremy Crampton, University of Kentucky

Panelists: Jeremy Crampton, University of Kentucky; Robert Kitchin, National University of Ireland; Elvin K. Wyly, University of British Columbia; Agnieszka Leszczynski, University of Birmingham; David Murakami Wood, Queen's University; Julie Cupples, University of Edinburgh; Sam Kinsley, University of Exeter

**1488. Spatial Data Mining and Big Data Analytics (3) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)***Room:* 304 Classroom, University of Chicago Gleacher Center, 3rd



**TUESDAY, APRIL 21 • 12:40 PM - 2:20 PM • 1400***Floor (Paper Session)*

ORGANIZER(S): Diansheng Guo, University of South Carolina; Harvey J. Miller, The Ohio State University; May Yuan, University of Texas - Dallas

CHAIR(S): May Yuan, University of Texas - Dallas

**12:40** Sterling Quinn\*, The Pennsylvania State University, *Computing and visualizing nonlocal influence in OpenStreetMap: An analysis of South America.*

**1:00** Xuwei Chen\*, Northern Illinois University, *Mining Socioeconomic and Environmental Associations with Public Health.*

**1:20** Liem Tran, Ph.D.\*, University of Tennessee at Knoxville, *Determine Variance Contribution of Interrelated Variables in a Large Spatial Dataset.*

**1:40** Bing She\*, University of Michigan; Shuming Bao, University of Michigan, *Comparative analytics of China and US Census Data in a Geoportal for Global Studies.*

**2:00** Linda Blade\*, University of Liverpool; Chris Lloyd, University of Liverpool, *A Local Regression Analysis of Accidents and Injuries in the Workplace.*

**1490. Rivers, Aquifers, and Water Basins**

*Room:* 406 Classroom, University of Chicago Gleacher Center, 4th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Robert Mikol

**12:40** Christopher Schulz\*, University of Edinburgh, James Hutton Institute, Scotland's Rural College, *A Multi-Stakeholder Perspective on the Values of Water in the Cuiabá River Basin, Mato Grosso, Brazil.*

**1:00** Kristopher Martin Kordek\*, Northern Illinois University, *Development of a Population Density-Based Regression Model to Forecast Discharge-Precipitation Ratios in Urbanizing Drainage Basins.*

**1:20** Yu Sun\*, University of North Georgia, *Modeling hydrologic effects of future land use and climate changes in the Upper Mill Creek Watershed in Ohio.*

**1:40** Thomaz Maia Carvalhaes\*, University of Michigan - Dearborn; Jacob Napieralski, *Identifying Urban Stream Deserts in America's Megaregions: A Characterization of Streams in Urban Areas.*

**2:00** Robert Mikol\*, University of Alaska Fairbanks, Water and Environmental Research Center, *Enhanced Recharge of the Ogallala (High Plains) Aquifer.*

**1491. Matthew Gandy's "The Fabric of space": author meets critics panel**

*Room:* 422 Classroom, University of Chicago Gleacher Center, 4th Floor (Panel Session)

ORGANIZER(S): Matthew Gandy, University College London

CHAIR(S): Austin Zeiderman, London School of Economics

Introducer: Matthew Gandy

Discussant(s): Erik Swyngedouw, University of Manchester; Austin Zeiderman, London School of Economics; Karen Bakker, University of British Columbia; Stephen Daniels, University of Nottingham; Nikhil Anand, University of Minnesota

**1492. Decolonization, resistance and resurgence III :: Decolonizing imperial imaginaries through resurgent Indigenous landscapes (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**

*Room:* 600a Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Margaret Marietta Ramirez, University of Washington, Seattle; Michelle D. Daigle, University of Washington

CHAIR(S): Margaret Marietta Ramirez, University of Washington, Seattle

**12:40** Andrew Davies\*, University of Liverpool, *Anti-*

*colonialism, parallel modernities and the Tamil renaissance in Pondicherry.*

**1:00** Reuben S. Rose-Redwood\*, University of Victoria, *"Reclaim, Rename, Reoccupy": Decolonizing Place and the Reclaiming of PKOLS.*

**1:20** Ginés Alberto Sánchez\*, Louisiana State University, *No more mirror trinkets, I will not be bartering my selfhood: Indigenous Cultural Revival among the Ngäbe of Panama.*

**1:40** Vanessa Sloan Morgan\*, Queen's University, *Swimming against the current: State disembodiment in British Columbia, Canada.*

**2:00** Jenny Pickerill\*, University of Sheffield, *Decolonizing Australia's north: Indigenous environmental activism.*

**1493. Fine Spatial Resolution Remote Sensing Applied to Geomorphology and Archeology (Sponsored by Remote Sensing Specialty Group)**

*Room:* 600b Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Rebecca L. Powell, University of Denver

CHAIR(S): Jacob Richmond Turner, University of North Carolina, Greensboro

**12:40** Tobin K Stegman\*, University of Wyoming, *Stream Restoration Monitoring Utilizing Structure from Motion Photogrammetry, Teton Creek, Idaho.*

**1:00** David Smith, GISP\*, University of Redlands; Tim Krantz, Ph.D., University of Redlands; Nathan Strout, MS GIS, University of Redlands; Steven D Moore, Ph.D., University of Redlands, *South Pacific Tetiaroa Atoll Baseline Survey.*

**1:20** Andrew C Loerch\*, University of New Mexico; Christopher Lippitt, Ph.D., The University of New Mexico; Su Zhang, The University of New Mexico, *The effects of image density on lens distortion calibrations, and the horizontal and vertical accuracies of orthorectified imagery.*

**1:40** Randy Alan Knoll Jr.\*, University of North Carolina - Wilmington; Eman Ghoneim, Ph.D., University of North Carolina at Wilmington; Nora Reber, Ph.D., University of North Carolina at Wilmington; Michael Benedetti, Ph.D., University of North Carolina at Wilmington; Vincent Melomo, Ph.D., William Peace University; Tom Beaman, MA., Wake Technical Community College; Yvonne Marsan, MS., University of North Carolina at Wilmington, *Geospatial and Geophysical survey at Fort Caswell, North Carolina.*

**2:00** Jacob Richmond Turner\*, University of North Carolina, Greensboro, *Using Geophysical Remote Sensing to Image the Cultural Landscape: The Effects of Soil Moisture upon Ground Penetrating Radar Surveys at House in the Horseshoe, Moore County North Carolina.*

**1494. Big projects, mega complexity, gigantic impacts III: mega-events**

*Room:* 602 Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Martin Müller, Universität Zürich; Eva Kassens-Noor, MSU; Christopher Gaffney, Universidade Federal Fluminense

CHAIR(S): Martin Müller, Universität Zürich

**12:40** Judith Grant Long\*, University of Michigan, Sport Management Program, *A Century of Olympic Urbanisms: Building for the Olympic Games, 1924 to 2016.*

**1:00** Graeme Lorenzo Evans\*, Middlesex University, *Mega Events and City-Regional Regeneration.*

**1:20** Mark Davidson\*, Graduate School of Geography, Clark University, *Events, Monopolies and Urban Regimes: Examining the Legacies of Global-Local Rent Gaps.*

**1:40** Gernot Grabher, HafenCity University of Hamburg;



## TUESDAY, APRIL 21 • 12:40 PM - 2:20 PM • 1400

Joachim Thiel\*, HafenCity University of Hamburg,  
*Coping with a Self-Induced Shock: The Heterarchic  
 Organization of the London Olympic Games 2012.*

**2:00** Sven Daniel Wolfe, MA\*, University of Zurich, *Assembling  
 the Translocal Event: Planning the 2018 World Cup in  
 Russia.*

**1495. Reconfigurations of the State in an Era of Global Climate  
 Change II (Sponsored by Cultural and Political Ecology  
 Specialty Group)**

*Room:* 604 Classroom, University of Chicago Gleacher Center, 6th  
 Floor (Paper Session)

ORGANIZER(S): Alejandro Camargo, Syracuse University

CHAIR(S): Carlo E. Sica, Syracuse University

**12:40** Jamie Shinn\*, Penn State University, *Governing  
 Variability: Flooding and Natural Resource Access in  
 the Okavango Delta, Botswana.*

**1:00** Alejandro Camargo\*, Syracuse University, *Return to  
 the Land: Peasants and the State in Post-Disaster  
 Colombia.*

**1:20** Yu-Qi Zeng\*, *The Politics of Sustainability in Taiwan:  
 Changing Subjectivities, Desire for Development and  
 Modernity, the Masquerade of GHG Calculation.*

Discussant(s): Christian Parenti, New York University

**1497. Post-rational migration 3: desiring subjects - enlisting  
 migrants (Sponsored by Population Specialty Group)**

*Room:* 621 Executive Dining Room, University of Chicago Gleacher  
 Center, 6th Floor (Paper Session)

ORGANIZER(S): Francis L. Collins, University of Auckland

CHAIR(S): Elisabeth Scheibelhofer, Department of sociology  
 University of Vienna

**12:40** Thomas Wimarck, Dr.\*, Department of Human Geography,  
 Stockholm University, *Migration motives of gay men  
 and lesbians: desire among different birth cohorts.*

**1:00** Steve Kwok-leung Chan, PhD\*, SIM University,  
*Transnational Labour Brokers and the Desire and  
 Aspirations of Myanmar Migrant Workers in Thailand.*

**1:20** Frank Meyer\*, Leibniz Institute for Regional Geography,  
*Migration decisions of teenagers in shrinking rural  
 regions of Germany, and the logics of explaining them  
 by governmental institutions.*

**1:40** Sean H. Wang\*, Syracuse University, *The myth of  
 'anchor babies': Mapping Chinese birth tourism's  
 transnational circuits.*

Discussant(s): Alan Gamlen, Victoria University

**TUESDAY, APRIL 21 • 2:40 PM - 4:20 PM • 1500****1501. Assembling Power: Connections and disjunctures in the works of Foucault and Latour***Room:* Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Nathaniel Gabriel, Rutgers University

CHAIR(S): Nathaniel Gabriel, Rutgers University

**2:40** Michael Woods\*, Aberystwyth University, *Assemblage, Place, Power and Globalization*.**3:00** Gwendolin McCrea\*, University of Minnesota, *On Animal Subjects: Latour, Foucault, and Multispecies Ethnography*.**3:20** Martin Müller\*, Universität Zürich; Carolin L. Schurr, University of Zürich, *(In)fertile associations: When Deleuze and Latour meet in a Mexican fertility clinic*.

Introducer: Nathaniel Gabriel

Discussant(s): Michele Lancione, University of Cambridge

**1502. Europe after the financial crisis? Recent developments and societal implications (Sponsored by Economic Geography Specialty Group)***Room:* Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Britta Klagge, University of Bonn; Susanne

Klara Heeg, Goethe University

CHAIR(S): Britta Klagge, University of Bonn

Introducer: Britta Klagge

**2:50** Richard Waldron\*, University College Dublin, *(For) Bearing the Costs of Reckless Lending*.**3:10** Felix Wiegand, Mag. Phil.\*, Department of Human Geography, Goethe-Universität Frankfurt am Main, *"Are we Greece"? A multiscalar view on austerity urbanism in Germany*.**3:30** Dimitar Anguelov, Ph.D. Student\*, UCLA, *Neoliberalism and Financialization of Urban Governance*.**3:50** Nadine Bitterer\*, Department of Human Geography, University Frankfurt, *Warsaw after the financial crisis - implications for the office market*.

Discussant(s): Susanne Klara Heeg, Goethe University

**1505. Tourism and Political Ecologies of Governing Localities (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural and Political Ecology Specialty Group)***Room:* Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Jarkko J. Saarinen, University of Oulu; Sanjay

K. Nepal, University of Waterloo

CHAIR(S): Jarkko J. Saarinen, University of Oulu

**2:40** Erica Hann\*, Penn State University, *From Calibers to Cameras: Wildlife-based tourism, livelihood practices and conservation policy in Ngamiland District, Botswana*.**3:00** Jonathan Tardif\*, Université de Montréal, *Erasing Complexities to Find Success: The Political Ecology of Ecotourism Development in Cambodia*.**3:20** Monkogoi Lenao\*, University of Oulu, *Political ecologies of community-based natural resources management: narratives and practices of power sharing in Botswana*.**3:40** Jarkko J. Saarinen\*, University of Oulu, *Sustaining the myth of unchanged: political ecologies of 'indigenous tourism' in Northern Namibia*.**4:00** Amy R. Poteete\*, Concordia University, *Abuse of Trust: Authority over Wildlife Areas in Botswana*.**1506. Food Utopias: Responding to the Challenges Facing Agriculture and Food Systems I (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)***Room:* Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Christopher Rosin, Centre for Sustainability:

Agriculture, Food, Energy, Environment; Paul Stock

CHAIR(S): Paul Stock

**2:40** Christopher Rosin\*, Centre for Sustainability: Agriculture, Food, Energy, Environment, *Approaching ideology within an utopian methodology*.**2:57** Samuel Walker\*, University of Toronto, *The Urban Normative as Hegemonic Discourse: A Thought Experiment in Urban Agriculture*.**3:14** Alec Thornton, PhD\*, University of New South Wales-Australia, *Space and Food in the City*.**3:31** Antonio Roman-Alcalá\*, International Institute of Social Studies, The Hague, *Occupy the Farm: Agrarian Citizenship and Participatory Research*.**3:48** Emmanuel Pratt\*, Sweet Water Foundation, *Towards an ECO-Logical City: Urban Agriculture and a 21st Century Paradigm of City Planning and Policy*.

Discussant(s): Paul Stock

**1509. Tourism Gentrification in the Metropolis (Sponsored by Recreation, Tourism, and Sport Specialty Group)***Room:* Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Sandra Guinand, CUNY - Graduate Center;

Maria Gravari, IREST

CHAIR(S): Maria Gravari, IREST

Introducer: Sandra Guinand

Introducer: Maria Gravari

**2:50** Florian Opillard, PhD candidate\*, École des Hautes Études en Sciences Sociales, Paris, *Being a "real San Franciscan" or a "ciudadano porteño": comparative tourism gentrification and urban citizenship in dispute*.**3:10** Sarah Lilia Baudry\*, Rome, *cultural metropolis versus industrial heritage : a paradoxical touristification strategy?*.**3:30** Sairi Tatiana Pineros\*, Panthéon-Sorbonne University, *Tourism Gentrification in the cities of developing countries: A case study of Cartagena de Indias, Colombia*.**3:50** Andreas Kagermeier\*, Universität Trier, Freizeit- und Tourismusgeographie, *Share Economy and its role in metropolitan tourism*.

Discussant(s): Anne-Marie D'Hauteserre, University of Waikato

**1510. Mobilities of Young people: Translocal Realities***Room:* Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Thomas Jakobsen; Hans Kjetil Lysgaard,

University of Agder; Ragnhild Lund, Norwegian

University of Science and Technology

CHAIR(S): Thomas Jakobsen

Introducer: Thomas Jakobsen

**2:43** Hans Kjetil Lysgård, Norwegian University of Science and Technology (NTNU); Stale Angen Rye\*, Norwegian University of Science and Technology (NTNU), *Translocal trajectories and the meaning of place in student mobility*.**3:02** Thomas Jakobsen\*, Norwegian University of Science and Technology, Department of Geography, *Being mobile while being stuck: Mobility among rural migrant workers in South West China, Yunnan*.**3:21** Ragnhild Lund\*, Norwegian University of Science and Technology, *Navigating Spaces of Cultural Encounters of Youth. The case of Norwegian students in Norway*.

Discussant(s): Kirsi Pauliina Kallio, University of Tampere

**1511. Economic and Retail Industries***Room:* Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Clarence Woudsma, University of Waterloo

**2:40** Mehmet Ragip Kalelioglu\*, Gaziantep University, *Change, Site Selection and Competition in Retail Industry: The Case of Gaziantep City*.**3:00** Yu Chen\*, Shenzhen University, *Cross-border Shopping Behaviors and Spatial Reconstruction --- a case study of Hong Kong-Shenzhen Cross-border Shopping*.**3:20** Peter Testa\*, University of North Texas, *Decoding the Formation of a Retail Giant: The Evolving Geography of Costco's Store Network*.**3:40** Samantha Vigder, CH2M Hill; Clarence Woudsma, Dr. \*,

# TUESDAY, APRIL 21 • 2:40 PM - 4:20 PM • 1500

University of Waterloo, *Pick up or Delivery? Freight and Consumer Transport Emissions across Retail Types.*

**1513. Teaching and Advising about Careers in Geography (Sponsored by AAG Jobs and Careers Theme, Geography Education Specialty Group)**

*Room:* Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Mark Revell, Association of American Geographers - Washington, DC  
 CHAIR(S): Beth Schlemper, University of Toledo  
 Discussant(s): Heather R. Houlton, American Geosciences Institute; Beth Schlemper, University of Toledo; Joseph J. Kerski, Esri; Brian E. Johnson, University of Alabama at Birmingham; JoAnn (Jodi) C. Vender, Pennsylvania State Univ

**1514. Author Meets Critics: Richa Nagar's "Muddying the Waters: Coauthoring Feminisms Across Scholarship and Activism."**

*Room:* Columbus CD, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Laura Pulido, University of Southern California  
 CHAIR(S): Laura Pulido, University of Southern California  
 Introducer: Laura Pulido  
 Discussant(s): Richa Nagar, University of Minnesota - Minneapolis  
 Panelists: Joel D Wainwright, The Ohio State University; Nik Heynen, University of Georgia; Katharine Rankin, University of Toronto; Elora Halim Chowdhury, University of Massachusetts - Boston; Alvaro Reyes

**1515. New Perspectives in Paleoenvironmental Change and Geoarchaeology IV: The Maya World (Sponsored by Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)**

*Room:* Columbus EF, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Samuel Erik Munoz, University of Wisconsin-Madison; Timothy Beach, University of Texas at Austin; Matthew Charles Peros, Bishop's University  
 CHAIR(S): Matthew Charles Peros, Bishop's University  
 2:40 Sheila Ward\*, Mahogany for the Future, Inc.; Nicholas Brokaw, University of Puerto Rico, *Impacts of Ancient Maya Land Use on the Present Environment.*  
 3:00 Samantha Marie Krause\*, University of Texas - Austin; Timothy Beach, University of Texas-Austin; Sheryl Luzzadder-Beach, University of Texas-Austin; Thomas Guderjan, University of Texas-Tyler, *Classifying Natural and Anthropogenic Wetland Features in Northwestern Belize.*  
 3:20 Elena Ponomarenko, Ph.D.\*, University of Ottawa, *The Role of Anthropogenic Ignition In The Maritime Fire Regimes.*  
 3:40 Jiaying Wu\*, University of Georgia; David F Porinchu, University of Georgia, *A paleolimnological study of Holocene climate and environmental change in Chirripó National Park, Costa Rica.*  
 4:00 Mandy Munro-Stasiuk\*, Kent State University; Betty Faust, Centro de Investigaciones Científicas de Yucatan, *A non-invasive investigation of an Ancient Maya Canal System at Cauich, Campeche, Mexico.*

**1516. Territory beyond Terra II: Bodies and Borders (Sponsored by Political Geography Specialty Group)**

*Room:* Columbus G, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Philip E. Steinberg, Durham University; Elaine Stratford, University of Tasmania; Kimberley Peters  
 CHAIR(S): Kimberley Peters  
 2:40 Elaine Stratford\*, University of Tasmania, *Prison ships, water-boards, and orange lifeboat-pods: thinking beyond terra and insula.*  
 3:00 Elizabeth Sibilila, M.A., M.F.A.\*, The Graduate Center, City University of New York, *Towards a dialectical*

*materialist understanding of shipbreaking in Bangladesh and the territorial logic of the global demolition market.*

3:20 Jon L Phillips\*, King's College London, *Offshore Exclusion? Extractive capital, oceanic zoning, and fluid livelihoods.*

3:40 Stephanie C. Kane, Ph.D.\*, Indiana University, *Where Sheets of Water Intersect: Infrastructural Logistics and Sensibilities in Winnipeg, Manitoba.*

4:00 Kate Coddington\*, Durham University, *The problem of circulation: asylum seeker mobility as a challenge to Australian territory.*

**1517. Forging Green Path Creation: EEG, GPNs and Sustainability Transitions (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**

*Room:* Columbus H, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Stuart Dawley, CURDS, Newcastle University  
 CHAIR(S): Henry Wai-chung Yeung, National University of Singapore  
 Panelists: Susan M. Christopherson, Cornell University; Gavin Bridge, Durham University; Christian Binz, Harvard University; Stuart Dawley, CURDS, Newcastle University; Danny Mackinnon, Newcastle University; Bernhard Truffer, Eawag

**1518. Hydroclimatology II (Sponsored by Climate Specialty Group, Water Resources Specialty Group)**

*Room:* Columbus JJ, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Trenton Ford, Texas A&M University; Christopher Labosier, Longwood University; Natalie Teale  
 CHAIR(S): Natalie Teale  
 2:40 Hengchun Ye\*, California State University - Los Angeles, *Changes in precipitation intensity associated with a warming climate over high latitudes.*  
 3:00 Oliver W. Frauenfeld\*, Texas A&M University; Trent W. Ford, Texas A&M University, *The Role of Frozen Ground in Eurasian Surface-Atmosphere Moisture Coupling.*  
 3:20 Steven Quiring\*, Texas A&M University, *Improving our Understanding Land-Atmosphere Interactions with the North American Soil Moisture Database.*  
 3:40 Trent W. Ford\*, Texas A&M University, Department of Geography; Anita D. Rapp, Texas A&M University, Department of Atmospheric Sciences; Steven M. Quiring, Texas A&M University, Department of Geography, *Soil Moisture - Precipitation Coupling: Observations from the Oklahoma Mesonet.*  
 4:00 Shanshui Yuan\*, Department of Geography, Texas A&M University, College Station, Texas; Steven M Quiring, Department of Geography, Texas A&M University, College Station, Texas, *Soil moisture simulation in the CMIP5 models over CONUS.*

**1519. Exploring a more-than-verbal human geography 2: sensory knowledges**

*Room:* Columbus KL, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Sarah Bennett, UW-Madison; Heather Rosenfeld, University of Wisconsin - Madison  
 CHAIR(S): Sarah Bennett, UW-Madison  
 2:40 Sarah Bennett, Master\*, University of Wisconsin - Madison, *Using movement analysis to learn about the qualities of lived experience.*  
 3:00 C. Patrick Heidkamp, Ph.D.\*, Southern Connecticut State University, *From Visualization to Tactilization: Using 3D printing to represent geospatial data.*  
 3:20 EBONY FLOWERS\*, University of Wisconsin - Madison, *Reconsidering Research through Cartooning and Intergenerational Learning.*  
 3:40 Eric M. Huntley\*, University of Kentucky, *Architectural Representation and Human Geography.*

**TUESDAY, APRIL 21 • 2:40 PM - 4:20 PM • 1500**

Discussant(s): Heather Rosenfeld, University of Wisconsin - Madison

**1520. Planetary Politics: Theorizing Post-Global Political Geographies II**

*Room:* Grand A, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Kai A. Bosworth, University of Minnesota - Minneapolis; Kevin Surprise, Clark University; Rory Rowan, University of Zurich

CHAIR(S): Arun Saldanha, University of Minnesota - Minneapolis

Introducer: Kevin Surprise

Discussant(s): Kathryn Yusoff, Queen Mary University of London

Panelists: Stephanie Wakefield; Geoff Mann, Simon Fraser University; Charmaine Chua, University of Minnesota - Minneapolis

**1521. New data and methodologies for (development) geography**

*Room:* Grand B, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Karin Pfeffer, University of Amsterdam; Linnet Taylor, University of Amsterdam

CHAIR(S): Linnet Taylor, University of Amsterdam

Discussant(s): Luke Richard Barnesmoore, University of British Columbia

Panelists: Luis Bettencourt; Isa Baud, University of Amsterdam; Ate Poorthuis, University of Kentucky; Virginie Mamadouh, University of Amsterdam

**1522. Contested Neighborhoods II: micro-politics in gentrifying areas (Sponsored by Urban Geography Specialty Group)**

*Room:* Grand C/D North, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Fenne Pinkster, Universiteit Van Amsterdam

CHAIR(S): Fenne Pinkster, Universiteit Van Amsterdam

**2:40** Alison L. Bain\*, York University, *Artistic claims to neighbourhood space: cultural vampirism or visionary urbanism?*

**3:00** Rebecca Summer\*, University of Wisconsin - Madison, *Change and Disempowerment in Washington DC's Ivy City: A Historical Look.*

**3:20** Daniel Foerste\*, Leibniz-Institute for Regional Development and Structural Planning (IRS); Daniel Foerste, IRS Erkner, *Contested Neighborhoods - Contested Schools: Discourse power and practices of territorial occupancy in Berlin..*

**3:40** Sig J. Langeegger\*, Akita International University, *Dog Days of Summer: The Micropolitics of Gentrification.*

**4:00** Paola Briata\*, Politecnico di Milano, *Contested mix versus contested growth: regeneration proposals and local resistance in London.*

**1525. Geographies of Food and Agriculture II (Sponsored by Geographies of Food and Agriculture Specialty Group)**

*Room:* Grand Suite 2 AB, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Daniel R. Block, Chicago State University; Katia R. Aviles-Vazquez, University of Texas - Austin

CHAIR(S): Mario Mighty, University of Florida

**2:40** Marylynn E Steckley\*, University of Western Ontario, *Peasant balances, neoliberalism, and the stunted growth of non-traditional agro-exports in Haiti.*

**3:00** Yograj Gautam\*, University of Bergen, Norway, *Promises and limits of income diversification for sustainable livelihoods in the Himalaya.*

**3:20** Anne L Thebo\*, University of California, Berkeley; Kara L Nelson, PhD, University of California, Berkeley; Pay Drechsel, PhD, International Water Management Institute; Eric F Lambin, PhD, Stanford University, *A Global Assessment of the Reuse of Untreated Wastewater in Irrigated Agriculture.*

**3:40** Mario Mighty, Ph.D.\*, University of North Alabama, *Survival Mode: Jamaican farmer responses to decreased competitive advantage in the specialty coffee industry.*

**4:00** Carole VUILLOT\*, CNRS UMR 5175 CEFÉ; Raphaël Mathevet, CNRS UMR 5175 CEFÉ, *Comparing stakeholders' representations of socio-ecological systems: mental models of the functioning of four French rural landscapes.*

**1526. Feminists on the Frontlines: Past Lessons (Part I) (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Sexuality and Space Specialty Group)**

*Room:* Grand Suite 3, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Lisa M. Freeman, Simon Fraser University; Caitlin Henry, University of Toronto

CHAIR(S): Susan Ruddick, University of Toronto

Panelists: Linda Peake, York University; Audrey L. Kobayashi, Queen's University; Cindi Katz, CUNY Graduate Center; Valerie A. Preston, York University

**1527. CyberGIS Symposium: Novel CyberGIS Applications (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**

*Room:* Grand Suite 5, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; E. Lynn Usery, U.S. Geological Survey; Dawn J. Wright, Esri

CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign

**2:40** Iliyana D. Dobрева, Ph.D. Candidate\*, Texas A&M University; Jyh C. Liu, Ph.D., Texas A&M University; Michael P. Bishop, Ph.D., Texas A&M University; Liang Da, Texas A&M University, *Parallelization of a GIS-based Spectral Solar Radiation Model.*

**3:00** Bev Wilson\*, University of Illinois at Urbana-Champaign, *CyberGIS as a planning support system: A review of present practices and future prospects.*

**3:20** Yi Qiang, Ph.D.\*, Department of Environmental Sciences, Louisiana State University; Nina Lam, Ph.D., Department of Environmental Sciences, Louisiana State University; Kenan Li, Ph.D. candidate, Department of Environmental Sciences, Louisiana State University; Heng Cai, Ph.D. student, Department of Environmental Sciences, Louisiana State University; Lei Zou, Ph.D. student, Department of Environmental Sciences, Louisiana State University, *Modeling the Coupled-Natural and Human Dynamics in a Vulnerable Coastal System Using CyberInfrastructure.*

**3:40** Yizhao Gao\*, University of Illinois; Shaowen Wang, University of Illinois; Anand Padmanabhan, University of Illinois, *Mapping spatio-temporal patterns of events: social media as an indicator.*

**4:00** You Wan\*, Wuhan University in China; Mengjun Kang\*, Wuhan University in China, *The Spatial-temporal hot event detection based on Sina Weibo check in data.*

**1528. Authoritarian resource governance, emergent resistance, and unequal development I (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)**

*Room:* Plaza A, Hyatt, East Tower; Green Level (Paper Session)

ORGANIZER(S): Miles Kenney-Lazar

CHAIR(S): Adrienne Johnson, Clark University

Introducer: Miles Kenney-Lazar

**2:45** Matthew Kuniholm\*, University of Maryland; Joshua Wayland\*, University of Maryland, College Park, *Legacies of Conflict and Natural Resource Resistance in Guatemala.*

**3:00** Mariel Aguilar-Stoen\*, University of Oslo, *Anti-mining movements in Guatemala: the elites' influence on the outcome of conflicts and the response from the government.*

**3:15** Muriel Côte\*, University of Zürich, *To be seen and not*

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*heard? Semi authoritarianism, autochthony and democracy in the gold fields of Burkina Faso.*

- 3:30** Miles Kenney-Lazar\*, *Authoritarian land investment, overdetermined resistance, and uneven underdevelopment in southeastern Laos.*

Discussant(s): Wendy Wolford, Cornell University

- 1529. Robots (Sponsored by Radical Intra-Disciplinarity Theme)**  
**Room:** *Plaza B, Hyatt, East Tower, Green Level (Paper Session)*  
 ORGANIZER(S): Lily A. House-Peters, University of Arizona; Vincent J. Del Casino, University of Arizona  
 CHAIR(S): Heidi J. Nast, DePaul University  
 Discussant(s): Matthew W. Wilson, Harvard University; Lily A. House-Peters, University of Arizona; Heidi J. Nast, DePaul University; Jeremy Crampton, University of Kentucky; Vincent J. Del Casino, University of Arizona

- 1530. Political Geography: Conflict and Peace 1**  
**Room:** *Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)*  
 ORGANIZER(S): Program Committee  
 CHAIR(S): Ilhan Kaya, Yildiz Technical University  
**2:40** Iddi Adam\*, University of Wisconsin - Marshfield Campus, *Politics and the Changing Geography of Space: When Conflict Leads to Disastrous Consequences, The Case of Shifting Chieftaincy Politics in Nanung, Ghana.*  
**3:00** Steven M. Radil\*, University of Idaho, *Recontextualizing war and peace: A multiscalar approach to the production of geopolitical contexts.*  
**3:20** Robert James Winstanley-Chesters, Dr\*, University of Leeds; Sherri Lynn Ter Molen, Ms\*, Wayne State University, *Producing Political Landscape on the Korean Peninsula: Divided Visions, United Vista.*  
**3:40** Clionadh Raleigh\*, University of Sussex, *Subnational Governance and Conflict.*  
**4:00** Ilhan Kaya\*, Yildiz Technical University, *Kurdish Peace Process in the Context of Shifting Power Relations in Turkey.*

- 1531. Geographies of Citizenship and Dissent (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)**  
**Room:** *Columbian, Hyatt, West Tower, Bronze Level (Interactive Short Paper Session)*  
 ORGANIZER(S): Bruce D'Arcus, Miami University of Ohio  
 CHAIR(S): Bruce D'Arcus, Miami University of Ohio  
 Introducer: Bruce D'Arcus  
**2:45** Bruce D'Arcus\*, Miami University of Ohio, *Mediated Dissent.*  
**2:50** Mel Nowicki\*, Royal Holloway, University of London, *'I see myself as more of an occupier': Squatting as protest in post-criminalisation London.*  
**2:55** Gregory Ortiz\*, University of Oxford, *New Connections: Young middle-class activism and active citizenship in Delhi.*  
**3:00** Kenneth D. Madsen\*, The Ohio State University, *Film and the Politics of Resistance.*  
**3:05** Genevi Schindehutte\*, Miami University, *Memorializing Resistance In Downtown Cairo: Revolutionary Public And Social Media Space.*  
**3:10** Yael Allweil\*, Technion IIT, *Experimental Architecture for Citizen Housing: Arlozerov Homeless Camp in Tel Aviv as Laboratory.*  
**3:15** Son Edworthy, BCD\*, University of Calgary, *Social Movements and Spatialities of Forming Networks Across Difference: a mixed methods case study.*  
**3:20** Meagan Todd\*, University of Colorado, *Moscow's Mosques as sites of Citizenship and Dissent.*  
**3:25** ASLI OGUT ERBIL\*, Istanbul Technical University, *Inclusive Environmental Protests in Turkey: Underlying Unrest(s) Among Public.*  
**3:30** Angela Gray Subulwa\*, University of Wisconsin Oshkosh,

*Defining Barotseland from Mongu to Minneapolis: Citizenship, Social Media, and the Zambian/Barotseland Diaspora.*

- 3:35** Pierpaolo Mudu\*, University of Washington - Tacoma, *Squatting for housing: struggles on the meaning of autonomy in neoliberal cities.*  
**3:40** Shaphan Leon Cox\*, Curtin University, *Competing representations of place: The Nyoongar Tent Embassy Occupation.*

- 1532. Making Other Worlds Possible IV: Discards, Diverse Economies, and Degrowth II (Sponsored by Cultural Geography Specialty Group, Economic Geography Specialty Group)**  
**Room:** *Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)*  
 ORGANIZER(S): Josh Lepawsky, Memorial University of Newfoundland; Max Liboiron, Memorial University of Newfoundland  
 CHAIR(S): Stephen Healy, Institute for Culture and Society  
**2:40** Ingrid Feeney\*, *Reimagining the New Industrial City: articulating an alternative ethos of waste and production through 'closing the loop'.*  
**3:00** Shiloh R. Krupar\*, Georgetown University; C. Greig Crysler\*, University of California - Berkeley, *Jefferson County, Alabama: Catalog Entries for the Museum of Waste.*  
**3:20** Gay Hawkins\*, University of Western Sydney, *Plastics in Alternative Food Initiatives: presence, valuations, and politics.*  
**3:40** Alexander Zahara\*, Queen's University, *Technostories: de(Growth) in the Aftermath of the Iqaluit 'dumpcano'.*  
**4:00** Erin Araujo\*, Memorial University of Newfoundland, *Exchange and refurbish: a case study of a decolonial, anarchist, alternative economy project in Chiapas, Mexico..*

- 1533. Children's Health**  
**Room:** *Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)*  
 ORGANIZER(S): Melissa J. Tolene Rura, United Methodist Neighborhood Centers of Memphis  
 CHAIR(S): Andrew F. Clark, McMaster University  
**2:40** Don Lafreniere, PhD\*, Michigan Tech University, *Like Father like Son? Exploring the Impact of Schooling, Residence, and Neighborhood Environments on Intergenerational Mobility.*  
**3:00** Yongmei Lu\*, Texas State University, *Examining Physical Fitness of Texas School Children.*  
**3:20** Andrew F. Clark\*, Western University; Jason Gilliland, Associate Professor, Western University, *Examining how School Travel Planning can improve children's safety and increase levels of physically active travel to and from school: Description of Baseline Data.*  
**3:40** Matthew Adams\*, McMaster University; Mark Ferguson, McMaster University; Pavlos S Kanaroglou, McMaster University, *Children's Exposure to Criteria Air Pollution Due to Drop-off Programs at School.*  
 Discussant(s): Melissa J. Tolene Rura, United Methodist Neighborhood Centers of Memphis

- 1535. New actors in and futures of infrastructure (Sponsored by Economic Geography Specialty Group)**  
**Room:** *Picasso, Hyatt, West Tower, Bronze Level (Paper Session)*  
 ORGANIZER(S): Peter O'Brien; Andy Pike, Newcastle University; Phillip O'Neill, University of Western Sydney  
 CHAIR(S): Phillip O'Neill, University of Western Sydney  
**2:40** Wendy Larner\*, University of Bristol, *Co-Producing Infrastructure Futures.*  
**3:00** Brittany N Montgomery, AICP\*, Massachusetts Institute of Technology, *Critical Infrastructure Project Continuity: Survivors in the Volatile Mexican Context.*  
**3:20** Michael Klein, Professor\*, Frankfurt School of Finance and

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Management and Johns Hopkins University, *Public Private Partnerships in Infrastructure - Promise and Hype*.

- 3:40** Michael David Pryke\*, open university; John Allen, Professor, The Open University, *Finance-Topologies and Infrastructure Assets: Folding bridges, ports and toll roads into global investment opportunities*.  
Discussant(s): Giles Mohan, The Open University

**1536. CITY Debates: Can resilience as a concept be saved?**

*Room:* Water Tower, Hyatt, West Tower, Bronze Level (Panel Session)

- ORGANIZER(S): Alex Schafran  
CHAIR(S): Alex Schafran  
Panelists: David Bieri, Virginia Tech; Tim Schwanen, University of Oxford; Kate Derickson, University of Minnesota; Geoffrey P. DeVerteuil, Cardiff University; Joyce Klein Rosenthal, Harvard University Graduate School of Design; Simon Parker, University of York, UK

**1537. Trees in the City 4: Human- Forest Relationships (Sponsored by Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)**

*Room:* Wrigley, Hyatt, West Tower, Bronze Level (Paper Session)

- ORGANIZER(S): Tenley Conway, University of Toronto-Mississauga; Shawn Landry, University of South Florida  
CHAIR(S): Shawn Landry, University of South Florida  
**2:40** Kirsten Schwarz\*, Northern Kentucky University; Adam Berland, USEPA; Dustin L Herrmann, University of California, Davis; Matthew E Hopton, USEPA, *How environmental justice patterns are shaped by place: terrain and tree canopy in Cincinnati, Ohio*.  
**3:00** Nathan Frey\*, Pennsylvania State University, *The Influence of Measure of Tree Density on Analysis of Demographic Disparities in Urban Tree Access*.  
**3:20** Robert J. Laverne, PhD Candidate\*, Davey Tree Expert Company; Cleveland State University, *Urban Forests, Soundscapes, and Human Cognition: Does the environment play a role in our ability to function?*.  
**3:40** Dongying Li\*, University of Illinois at Urbana-Champaign; Xiaolu Zhou, Georgia Southern University, *Realized Versus Assumed Access: Examining High School Students' Access to Urban Forest*.  
**4:00** James Steenberg\*, Ryerson University; Andrew Millward, PhD, Ryerson University, *Assessing Urban Forest Ecosystem Change and the Vulnerability of Ecosystem Service Supply in a Residential Neighborhood*.

**1538. Climate Change and National Planning (Sponsored by Human Dimensions of Global Change Specialty Group, Regional Development and Planning Specialty Group)**

*Room:* Acapulco, Hyatt, West Tower, Gold Level (Paper Session)

- ORGANIZER(S): RDK Herman, National Museum of the American Indian  
CHAIR(S): Jonathan H. Smith, United States Geological Survey  
**2:40** Theresa Wong\*, United Nations Development Programme, *National adaptation planning: challenges to integrating adaptation into development policy*.  
**3:00** Mark R. Read, PhD\*, United States Military Academy, *Embracing Uncertainty: Scenario Planning for Climate Change-Security Challenges and Opportunities*.  
**3:20** Neil Oculi\*, University of Connecticut, *Vulnerability and Resilience of The Alliance of Small Island States AOSIS: To access their climate change strategies at the climate change negotiations through Loss and Damage Mechanisms*.  
**3:40** Jonathan H. Smith\*, United States Geological Survey, *The Ecosystem Vulnerability Theme of the President's Climate Action Plan*.

**1539. PREM - Base, Bunkers and Ports I: Technology and Publics (Sponsored by Socialist and Critical Geography Specialty Group)**

*Room:* Atlanta, Hyatt, West Tower, Gold Level (Paper Session)

- ORGANIZER(S): Lindsey Dillon, UC Berkeley; Javier Arbona, UC Davis  
CHAIR(S): Javier Arbona, UC Davis  
Introducer: Lindsey Dillon  
Introducer: Javier Arbona  
**3:00** Javier Arbona\*, UC Davis, *The Oakland Security Cloud: A Public Imagination of Surveillance*.  
**3:20** Ian Shaw\*, The University of Glasgow, *The Homeland is the Battlefield*.  
**3:40** Jason Dittmer\*, University College London, *Transnational militarism: Everyday diplomacies of interoperability in NATO*.  
Discussant(s): Deborah Cowen, University of Toronto

**1540. Cultural Biogeography**

*Room:* Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)

- ORGANIZER(S): Program Committee  
CHAIR(S): Kumudan Grubh  
**2:40** Stephen C. Jett\*, University of California - Davis, *The Use of Physical and Biological Materials to Trace Long-Distance Exchanges*.  
**3:00** Noel Hawkins\*, Simon Fraser University, *An ideological critique of cetacean captivity at the Vancouver Aquarium*.  
**3:20** Jing Qian\*, *Landscape change with resilience theory in socio-ecological systems*.  
**3:40** Weifeng Li\*, Department of Urban Planning and Design, The University of Hong Kong, *Vegetation Cover Dynamics associated with Rapid Urbanization in China's Metropolitan Areas (1998-2010)*.  
**4:00** Kumudan R Grubh\*, Texas State University; Nathan A Currit, Texas State University, *Landscape characteristics of the fastest growing city in the United States*.

**1541. Carceral Geographies IV: Gendered and Embodied Confinement.**

*Room:* New Orleans, Hyatt, West Tower, Gold Level (Paper Session)

- ORGANIZER(S): Jennifer Turner, University of Leicester; Dominique Moran, University of Birmingham  
CHAIR(S): Dominique Moran, University of Birmingham  
**2:40** Victoria Knight\*, De Montfort University, *Modus Vivendi: The cell, emotions, social relations and television*.  
**3:00** Jessica Bird\*, University of Edinburgh, *Segregation in Scottish Prisons: A Socio-Spatial History*.  
**3:20** William John Payne\*, York University, *Governmentality, performativity and sexuality - A scholarly consideration of a drag show in a prison*.  
**3:40** Rae Rosenberg, M.A\*, York University, *Transgender Embodiment in Carceral Space: Hypermasculinity and the US Prison Industrial Complex*.  
Discussant(s): Karen M. Morin, Bucknell University

**1542. Spaces of Emergent Authority: Embodiment, Matter and Common Life**

*Room:* Regency A, Hyatt, West Tower, Gold Level (Paper Session)

- ORGANIZER(S): Julian Brigstocke, Cardiff University; Leila Dawney, University of Brighton, UK  
CHAIR(S): Tehseen Noorani, Johns Hopkins University  
**2:40** Nathan L. Clough\*, University of Minnesota, Duluth, *Three cuts at a critical theory of affect in the Western Martial Arts*.  
**3:00** Julian Brigstocke\*, Cardiff University, *The Long Violence of Truth: Laughter, Violence and the Reinvention of Authority in Anarchist Urban Politics*.  
**3:20** Punam Khosla\*, York University, *Corporeal violence and the material logic of race, gender and sexual embodiment*.

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**3:40** Claire Blencowe\*, University of Warwick, *Authority Crises, Transcendence, & the Drive towards Destruction in the Time of the Now.*

Discussant(s): Tehseen Noorani, Johns Hopkins University

**1543. Stories of Cosmopolitan Belonging, Emotion and Location 2: Materialities of Belonging**

*Room:* Regency B, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Hannah Jones, University of Warwick; Emma Jackson, Goldsmiths

CHAIR(S): Emma Jackson, Goldsmiths

**2:40** Anna-Lisa Müller\*, University of Bremen, *International Transmigration and the Role of Objects and Spaces for Creating Senses of Belonging.*

**3:00** Alex Rhys-Taylor\*, Goldsmiths University of London, *Street Markets, Multiculture and the Production of Sensed Communities.*

**3:20** Rivke Jaffe\*, University of Amsterdam, *Crime watch: media, emotions and a relational politics of place in inner-city Jamaica.*

**3:40** Kirsten Ronald\*, University of Texas - Austin, *Mobility, Gentrification, and Belonging in an East Austin Honkytonk.*

**4:00** Lynne Pettinger\*, University of Warwick, *Cosmopolitics, Belonging and Green Work.*

**1544. Subconference 2**

*Room:* Regency C, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Elsa Noterman, University of Wisconsin - Madison

CHAIR(S): Majed Saeed Akhter, Indiana University

Introducer: Abigail H. Neely

Discussant(s): Elizabeth R. Johnson, University of Minnesota - Minneapolis

Panelists: Jason Luger, King's College London Cities Group; Patrick Bresnihan, Maynooth University

**1545. Thinking the Urban from?.(III) elsewhere (Sponsored by China Specialty Group, Urban Geography Specialty Group, Africa Specialty Group)**

*Room:* Regency D, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Fulong Wu, University College London; Jennifer Robinson, University College London; Garth Andrew Myers, Trinity College

CHAIR(S): Fulong Wu, University College London

**2:40** Jun Zhang\*, University of Toronto, *Grand Industrial Investment Projects, Great Urban Leap Forward: A Tale of Two Chinese Cities.*

**3:00** Hyun B. Shin\*, London School of Economics and Political Science, *East Asian Speculative Urbanisation and the Politics of Displacement through Consent and Coercion.*

**3:20** George C.S. Lin, Prof.\*, University of Hong Kong, *Reutilizing China's urban land amidst urbanization: Practicing property rights in Chinese cities through renewals.*

**3:40** Ricardo Cardoso\*, UC Berkeley, *Elements of State and Market Making in Contemporary Urban Development: Learning from Angola's Crude Urban Revolution.*

**4:00** Jennifer Robinson\*, University College London, *London as a theory destination: The politics of mega urban developments.*

**1546. Governing Regional Sustainability Transitions: Geographical Perspectives #2**

*Room:* San Francisco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Rob Krueger, Worcester Polytechnic Institute; Gerd Lintz, Leibniz Institute of Ecological Urban and Regional Development

CHAIR(S): Rob Krueger, Worcester Polytechnic Institute

**2:40** Constance Carr, Ph.D.\*, University of Luxembourg, *Sustainability - The travelling empty-master-signifier.*

**3:00** Gabriella Doczi\*, Free University Amsterdam; Eleftheria Vasileiadou, School of Innovation Sciences, Eindhoven University of Technology; Arthur Petersen, Free University Amsterdam, *Exploring the transition potential of renewable energy communities.*

**3:20** Gideon Laugs, MSc\*, University of Groningen; Henny van der Windt, Dr, University of Groningen, *Regional variation in social dimensions affecting the ambitions of local renewable energy initiatives and their attitudes towards biogas.*

**3:40** Gerd Lintz\*, Leibniz Institute of Ecological Urban and Regional Development, *Local Opposition to the Accelerated Use of Wind Energy - Reflections on a Major Factor in the Energy Transition.*

**4:00** Manfred Walser\*, IMP-HSG, *An orienteering hike in the fog. A case study on how to influence the region's perception and consensus building.*

**1547. Urban Land Systems and Urbanization (Sponsored by Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Toronto, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Burak Guneralp, Texas A&M University; Jacqueline Vadjunc, Oklahoma State University; Richard J. Aspinall

CHAIR(S): Matthew Mulbrandon, Universiteit Utrecht

**2:40** Samapriya Roy\*, Indiana University; Darren L. Ficklin, Indiana University; Rinku Roy Chowdhury, Indiana University; James B. Heffernan, Duke University; Meredith K. Steele, Virginia Tech; Peter M. Groffman, Cary Institute of Ecosystem Studies, *Urban Watersheds and urbanizing hydrology: Assessment through dynamic modeling.*

**3:00** Ferdouz V. Cochran\*, University of Kansas; Nathaniel A. Brunzell, PhD, University of Kansas, *Urban Landscape Metrics for Climate and Sustainability Assessments.*

**3:20** Shih-Shen Chien\*, National Taiwan University; Shih-Shen Chien\*, National Taiwan University, *The Hurried Local States in Land Rush in the 2000s- Case Study of post-Socialist China.*

**3:40** Matthew Mulbrandon\*, Universiteit Utrecht, *New Measurement Techniques for Describing Urban Geographies Using Micro Data.*

Discussant(s): Burak Guneralp, Texas A&M University

**1548. Authors-meet-readers: Jamie Peck & Nik Theodore's 'Fast Policy' (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)**

*Room:* Crystal A, Hyatt, West Tower, Green Level (Panel Session)

ORGANIZER(S): Tom Baker, Simon Fraser University

CHAIR(S): Tom Baker, Simon Fraser University

Introducer: Tom Baker

Discussant(s): Jamie Peck, University of British Columbia; Nik Theodore, University of Illinois at Chicago

Panelists: Ananya Roy, University of California, Berkeley; Pauline McGuirk; Michael Peter Smith, University of California, Davis; Eugene McCann, Simon Fraser University; Alison Mountz, Wilfrid Laurier University

**1549. Peripheral Visions: Security by, and for, whom? III: Subaltern geographies of security**

*Room:* Crystal B, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Kathrin Hörschelmann, Leibniz-Institute for Regional Geography; Catherine Cottrell, Aberystwyth University; Peter E. Hopkins, Newcastle University

CHAIR(S): Matthew Benwell, Newcastle University

**2:40** James D. Sidaway\*, National University of Singapore, *Subaltern Securityscapes: Dispatches from Fieldwork in Cambodia, Iraq and Mozambique.*

**3:00** Christopher Harker\*, Durham University, *Colonialism and popular (in)security: Ramallah, Palestine.*

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- 3:20** Ning An\*, University of Glasgow, *China's visions on America's geopolitical code of global war on terror*.  
 Discussant(s): Cathrine Brun, Norwegian University of Science and Technology

**1550. Dynamic Suburbs, Part 2**

- Room:** *Crystal C, Hyatt, West Tower, Green Level* (Paper Session)  
 ORGANIZER(S): Deirdre Pfeiffer, Arizona State University; Guillaume Poirer, Paris Est University  
 CHAIR(S): Guillaume Poirer, Paris Est University  
**2:40** Suzanne Lanyi Charles\*, Northeastern University, *Rebuilding Suburbia: A Typology of Inner-ring Suburban Neighborhoods Experiencing Redevelopment*.  
**3:00** Guillaume Poirer\*, Paris Est University, *working on transit and densification policies within suburbs, the case of Toronto*.  
**3:20** Christopher Niedt\*, Hofstra University; Brett Christophers, Uppsala University, *A radical approach to risk: eminent domain, foreclosure, and distressed suburbs*.  
**3:40** Michael Minn\*, University of Illinois Urbana-Champaign; Bethany Brooke Cutts, University of Illinois Urbana-Champaign, *Foreclosure and the Production of Space in Phoenix*.  
**1551. Contextualizing Mixed-Income and Affordable Housing Development**  
**Room:** *Stetson A, Hyatt, West Tower, Purple Level* (Paper Session)  
 ORGANIZER(S): Jakob Schneider; Amy Khare  
 CHAIR(S): Jakob Schneider  
**2:40** Amy Khare, Ph.D. Candidate\*, University of Chicago, *Privatization of Chicago's Public Housing in the Midst of Recession*.  
**3:00** Jakob Schneider\*, Rutgers, The State University of New Jersey, *Temporality in Relational Place-Making: The Introduction of New Actors and the Production of Place-Frames*.  
**3:20** Nicola Szibbo\*, UC Berkeley, *The Spatiality and Scale of Income Mixing in New Sustainable Neighborhoods: Evidence from LEED-ND Communities*.  
**3:40** James Dunn\*, McMaster University, *Does Socially-Mixed Housing Redevelopment "Work"? The Case of Toronto's Regent Park*.  
**4:00** Laura Johnson\*, School of Planning, University of Waterloo; Navroop Tehara, M.A. student, School of Planning, University of Waterloo; Navroop Singh Tehara\*, University of Waterloo, *Tenants' Right of Return: Early Experience from Toronto's Regent Park Public Housing Redevelopment*.

**1552. Mountain Landscapes and Communities in a Changing World - Part II (Sponsored by Human Dimensions of Global Change Specialty Group, Landscape Specialty Group, Mountain Geography Specialty Group)**

- Room:** *Stetson BC, Hyatt, West Tower, Purple Level* (Paper Session)  
 ORGANIZER(S): Molly H. Polk, University of Texas at Austin; Jeff La Frenierre, Gustavus Adolphus College  
 CHAIR(S): Molly H. Polk, University of Texas at Austin  
**2:40** Molly H. Polk\*, University of Texas at Austin, *Tropical Mountain Peatland Change in Response to Glacier Recession*.  
**3:00** Kenneth R. Young\*, University of Texas at Austin, *Adaptation in a glaciated watershed: Shifting towards novel states*.  
**3:20** Bryan G. Mark\*, The Ohio State University; Alfonso Fernandez, The Ohio State University, *Hydro-climatic vulnerability to climate change in the tropical Andean cryosphere: integrating field and modeling perspectives from north-central Peru*.  
**3:40** Adam French\*, University of California, Berkeley, *Run of the River: Incentives and Challenges for Integrated Water Governance in Peru's Santa River Watershed*.

Discussant(s): Richard A. Marston, Kansas State University

**1553. Energy Mapping and Modeling II (Sponsored by Cartography Specialty Group, Energy and Environment Specialty Group)**

- Room:** *Stetson D, Hyatt, West Tower, Purple Level* (Paper Session)  
 ORGANIZER(S): Olufemi Omitaomu, Oak Ridge National Laboratory; Kirby Calvert  
 CHAIR(S): Olufemi Omitaomu, Oak Ridge National Laboratory  
**2:40** Tim Chatterton, BA(Hons), MSc, PhD\*, University of the West of England; Jo Barnes, PhD, University of the West of England, *New Geographies of Energy Use and Energy Need - Mapping Household Direct Energy Consumption in the UK*.  
**3:00** John Marino\*, Syracuse University; Jonnell Allen Robinson, Syracuse University, *A Participatory GIS Approach to Analyzing Green Energy Programs in New York State*.  
**3:20** Scott Kelley\*, Arizona State University, *The Transition to Alternative Fuel Vehicles (AFVs): an Analysis of Early Adopters and Implications for Refueling Infrastructure Location Methods*.  
**3:40** Olufemi A. Omitaomu, Ph.D.\*, Oak Ridge National Laboratory; Esther S Parish, Oak Ridge National Laboratory, *Assessment of Urban Infrastructure Resilience to Climate Change using Indicators*.  
**4:00** Anna C. McCreery\*, Elevate Energy, *House Parties for Energy Efficiency: A Case Study of the Outcomes of Community Organizing for Energy Efficiency Retrofits*.

**1554. Mapping the Changing Arctic Environment (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group, Energy and Environment Specialty Group)**

- Room:** *Stetson E, Hyatt, West Tower, Purple Level* (Paper Session)  
 ORGANIZER(S): Scott Stephenson, University of Connecticut; Kelsey Nyland, George Washington University  
 CHAIR(S): Andrey N. Petrov, University of Northern Iowa  
**2:40** Kelsey E Nyland\*, The George Washington University; Nikolay I Shiklomanov, The George Washington University; Ryan N Engstrom, The George Washington University, *Quantifying Anthropogenic Impacts on the Russian Permafrost System using Landsat Dense Time Stacks*.  
**3:00** Alison Lane Stricklen\*, University of Northern Iowa, *Using Hyperspectral Imagery to Study Greenlandic Supraglacial Rivers and Lakes*.  
**3:20** Victor Bogdanov\*, Institute of geography SB RAS; Gerelma Dugarova, Institute of geography SB RAS, *The use of GIS in the development of the roadside service in the northern territories of Irkutsk oblast*.  
**3:40** Emily Francis\*, University of Northern Iowa, *Analyzing winter activities of wild Taimyr reindeer using Argos satellite collars*.

**1555. Legal Geographies 2: Law, Colonialism and Capitalism: Gender, Race, and Embodiment (Sponsored by Socialist and Critical Geography Specialty Group, Indigenous Peoples Specialty Group)**

- Room:** *Stetson F, Hyatt, West Tower, Purple Level* (Paper Session)  
 ORGANIZER(S): Reecia Orzeck, Illinois State University; Tyler McCreary, York University; Joshua Barkan, University of Georgia  
 CHAIR(S): Joshua Barkan, University of Georgia  
**2:40** Kendra Strauss\*, Simon Fraser University, *Law, gender and colonial (re)production: the geopolitics of human trafficking*.  
**3:00** Evan Taparata\*, University of Minnesota, *"A Right to Be Lifted Up By a Nation's Wonderfully Developing Strength": The Politics of Refugee Management during the U.S. Civil War, 1861-1865*.  
**3:20** Adenike Yetunde Ayedun, PhD\*, Post-Doctoral Researcher,



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University of Cape Town, *The Interaction between Formal and Informal Justice Systems in Africa: a study of South Africa and Nigeria*.

**3:40** Shiri Pasternak\*, Columbia University, *Blood Diamonds: To "Make Live" in Indian Country*.

**4:00** Mara Jill Goldman, PhD\*, University of Colorado; Alicia Davis, PhD, University of Colorado-Boulder, *Owning the land or owning the process: land ownership, privatization, and women's empowerment projects in Maasai villages in Northern Tanzania*.

## 1556. The Political Ecology of Celebrity and Celebritized Environmentalism

*Room:* Stetson G, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Mary Mostafanezhad, University of Hawai'i at

Manoa; Mette Fog Olwig, Copenhagen University

CHAIR(S): Elizabeth Louis

Introducer: Wendy Miles

**2:41** Mary Mostafanezhad\*, University of Hawai'i at Manoa, *"Indiana Jones Goes to Indonesia": The Political Ecology of Harrison Ford's Climate Crusade*.

**3:00** Mette Fog Olwig, PhD\*, Roskilde University, *#Volunteering@Festival4GoodCause: Engaging, Educating or merely Entertaining?*

**3:20** Jennifer Silver\*, University of Guelph; Roberta Hawkins, University of Guelph, *Negotiating Nature 2.0: Social media spaces and the making of Canadian Seal Hunt campaigns*.

**3:40** James Igoe\*, University of Virginia, *How to See the World Like an Adventurer Philanthropist*.

Discussant(s): Dan Brockington, University of Manchester; Michael K Goodman, University of Reading

## 1557. Geographies of Media IV: Places & Landscapes through Media (Sponsored by Communication Geography Specialty Group)

*Room:* Addams, Hyatt, West Tower, Silver Level (Paper Session)  
ORGANIZER(S): John Finn, Christopher Newport University;

Laura Sharp, University of Arizona; Joseph Palis, North Carolina State University

CHAIR(S): Hannah Gunderman, University of Tennessee, Knoxville

**2:40** James Craine\*, California State University Northridge, *House Hunting With Wilbur Zelinsky: HGTV's House Hunters Constructs the Superorganic*.

**3:00** Greg Pagett\*, University of Nebraska at Omaha, *Asia: A place or Hollywood stereotype*.

**3:20** Nicholas Lynch, PhD\*, University of Victoria; Yolande Pottie-Sherman, PhD, Dartmouth College, *Marketing palimpsests: Real estate advertising and the promotion of urban space in the historic city*.

**3:40** Ola Johansson\*, University of Pittsburgh at Johnstown; Thomas L Bell, Western Kentucky University/ University of Tennessee, *Music Venues in the Internet Age: Evidence from Selected Venues in Pittsburgh and Nashville*.

**4:00** Hannah C. Gunderman\*, University of Tennessee, Knoxville, *"Boston, You Know We Love You Madly": Defining a New England Regional Identity and Sense of Place through the Music and Culture of the Dropkick Murphys*.

## 1558. Sense of Place and Place Geographies IV: Scaled Geographies of Place (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group)

*Room:* Burnham, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Rex Rowley, Illinois State University;

Stephanie Willis, University of Kansas

CHAIR(S): Stephanie Willis, University of Kansas

**2:40** John Winsor McEwen, Ph.D.\*, Louisiana State University, *Sense of Place, Place Attachment, and Rootedness in Four West Baton Rouge Parish, Louisiana Bars*.

**3:00** Ana I. Sanchez-Rivera, MA\*, University of Maryland-College Park, *Place in Puerto Rico and the perception of attractiveness: Analysis of four counties within the San Juan Metropolitan Area*.

**3:20** Thomas J Christoffel, AICP, FeRSA\*, Regional Intelligence-Regional Communities, LLC, *The Region as Place: Regional Geographic Naming as a Strategy to Foster a Sense of Greater Community Identity and Enable Local Government Cooperation*.

**3:40** Rob Breymaier\*, *Sense of Place in a Diverse Suburb: Oak Park, IL*.

**4:00** Hélène DUCROS\*, North Carolina State University, *From intimate landscape to national heritage in France's countryside*.

## 1559. HRDSG Session: Social Vulnerability (Sponsored by Hazards, Risks, and Disasters Specialty Group)

*Room:* Dusable, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Laura Kathryn Siebeneck, University of North Texas

CHAIR(S): Bruce C. Mitchell

**2:40** Shivangi Prasad, Ph.D.\*, University of Miami, *Poverty, Precarious Locations, and Emergency Response and Readiness in South Florida*.

**3:00** Jianyi HUANG\*, College of Art and Science, Beijing Union University; Heigang Xiong\*, College of Art and Science, Beijing Union University, *The social Vulnerability assessment of China, a case study of Beijing-Tianjin-Hebei Region*.

**3:20** Fausto Marincioni, Università Politecnica delle Marche; Beatrice Gatto\*, Università Politecnica delle Marche, *The Inclusion of People with Disabilities in Emergency Planning*.

**3:40** Joseph E. Reber\*, University of Idaho; Tim G. Frazier, PhD, University of Idaho, *Assessing Socioeconomic Vulnerability to Climate-Change-Impacts on Forest Ecosystems: A Case Study of the Pacific Northwest*.

**4:00** Bruce C. Mitchell\*, University of South Florida; Jayajit Chakraborty, Ph.D., University of South Florida, *Thermal Inequity: Social Vulnerability to Urban Heat in Cities of the United States*.

## 1560. Global environmental change and adaptation processes: the role of tipping points (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group)

*Room:* Field, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Matthias Garschagen, United Nations University, Institute for Environment and Human Security; William D. Solecki, Hunter College

CHAIR(S): Matthias Garschagen, United Nations University, Institute for Environment and Human Security

Introducer: Matthias Garschagen

**2:50** Patricia Romero-Lankao\*, National Center for Atmospheric Research, *Cross-scale interactions, tipping points and adaptive capacity - insights from Latin American cities*.

**3:05** David Eisenhower\*, Rutgers, *Making Climate Adaptation Pathways Political*.

**3:20** Sarah Burch\*, University of Waterloo; Carrie Mitchell, University of Waterloo; Marta Berbes, University of Waterloo; Ewa Jackson, ICLEI Canada, *Community-based climate change adaptation in developing countries: Progress, patterns, and potential*.

**3:35** Brian Petersen, PhD\*, Western Michigan University, *Context Matters: The Need for Placed-Based Analyses in Determining Adaptive Capacity and Barriers to Climate Change Adaptation in Natural Resource Management*.

**3:50** Karen O'Brien\*, University of Oslo; Elin Selboe, University of Oslo, *Technology is not enough! Approaching climate change as an adaptive challenge*.

Discussant(s): William D. Solecki, Hunter College

**TUESDAY, APRIL 21 • 2:40 PM - 4:20 PM • 1500****1561. Crime and Urban Environments**

- Room:** *Horner, Hyatt, West Tower, Silver Level* (Paper Session)  
 ORGANIZER(S): Program Committee  
 CHAIR(S): Dexter Locke, Clark University
- 2:40** Michael Gaffney\*, Central Connecticut State University; Michael F Gaffney, Central Connecticut State University, *Crime And Demographics In San Francisco*.
- 3:00** Jay Newberry\*, Binghamton University; Stephanie L Brewer, Binghamton University, *Gestapo American Style: An Analysis of New York City's Stop and Frisk Data*.
- 3:20** Danlin Yu\*, Montclair State University; Robert J. Reid, Montclair State University, *Spatial analysis of crime, alcohol selling outlets, and abandoned properties in Paterson, NJ*.
- 3:40** Natalia Sypon Dutkowska, PhD\*, University of Szczecin, *An Increase in the Number of Alcohol Outlets as a Crime Enhancer in a Big City*.
- 4:00** Dexter Locke\*, Clark University; Colleen Murphy-Dunning, Urban Resources Initiative, and Hixon Center for Urban Ecology; Michelle Kondo, Philadelphia Urban Field Station, USDA Forest Service; SeungHoon Han, Center for Clinical Epidemiology and Biostatistics (CCEB), University of Pennsylvania and Philadelphia Urban Field Station, USDA Forest Service; Molly Cox, International Community Development Environment, Clark University, *Did community-based greening reduce crime in New Haven, CT from 1996 - 2007?*.

**1562. Author meets critics: Sara Westin, The Paradoxes of Planning: A Psycho-Analytical Perspective (Sponsored by Urban Geography Specialty Group)**

- Room:** *McCormick, Hyatt, West Tower, Silver Level* (Panel Session)  
 ORGANIZER(S): Christian Abrahamsson, University of Oslo; Jamie Doucette, Geography, University of Manchester  
 CHAIR(S): Christian Abrahamsson, University of Oslo  
 Panelists: Mark Davidson, Clark University; Andrew Shmueli, Dept. of Geography, UBC; Felicity Callard, Durham University; Jesse Proudfoot, University of Toronto; Sara Westin

**1563. The Politics of Faith (Sponsored by Graduate Student Affinity Group, Ethnic Geography Specialty Group)**

- Room:** *Ogden, Hyatt, West Tower, Silver Level* (Paper Session)  
 ORGANIZER(S): Graciela Sandoval  
 CHAIR(S): Mohamed Elyassini, Indiana State University
- 2:40** Richard N. Dodge, Ph.D\*, Desert Rose Baha'i Institute, *The Baha'i Faith in Mid-America: From Shi'ah Sect to Universal Religion*.
- 3:00** Boyowa Anthony Chokor, Ph.D.\*, Department of Geography, University of Benin, Benin City, Nigeria, *Social Regulation of the Use of Space: Exploring the Role of Cultural Belief Matrices and Faith Geographies in Environmental Action: An African Case Study*.
- 3:20** Sanan Moradi\*, University of Oregon, *Governmentality in Post-revolutionary Iran; Making Muslim Iranian Subjects*.
- 3:40** John Clark Archer\*, University of Nebraska; Robert Watrel, South Dakota State University; Stanley D Brunn, University of Kentucky; Gerald R. Webster, University of Wyoming, *Quantitatively Delineating the Bible Belt, 1990-2010*.
- 4:00** Mohamed Elyassini\*, Indiana State University, *The Non-Semitic Origins of Contemporary Jews*.

**1564. Mobility and Morality I (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)**

- Room:** *Wright, Hyatt, West Tower, Silver Level* (Paper Session)  
 ORGANIZER(S): Pablo Bose, University of Vermont; Denver V.

Nixon, University of British Columbia; Justin Spinney, University of Surrey

- CHAIR(S): Pablo Bose, University of Vermont
- 2:40** Robert D. Wilton\*, McMaster University; Stine Hansen, McMaster University, *'Undue Burden': Disabled People, Immigration and the Politics of (Im)mobility*.
- 3:00** Markus Moos\*, University of Waterloo, *New dimensions of exclusion: Age, household size and mobility in the 'sustainable' city*.
- 3:20** Alberto Vanolo\*, Dipartimento Culture, Politica e Società; Università di Torino (Italy); Nadine Cattani, CNRS-Géographie-cités, Paris (France), *The cruise: visual representations of mobility and gendered images of pleasure*.
- 3:40** Jennie Middleton\*, University of Oxford, *Envisioning the city: exploring the everyday mobilities of visually impaired young people*.
- Discussant(s): Jayne Jeffries, Newcastle University

**1565. Developments in World City Network Analyses (2) (Sponsored by Urban Geography Specialty Group)**

- Room:** *Michigan A, Hyatt, East Tower, Ped Path* (Paper Session)  
 ORGANIZER(S): Ben Derudder, Ghent University; Peter J. Taylor, Northumbria University; Zachary Neal, Michigan State University  
 CHAIR(S): Ronald Wall, Erasmus University
- 2:40** Spyridon Stavropoulos\*, *SMARTNET: European Smart Cities within Global City Networks*.
- 3:00** Evert J. Meijers\*, Delft University of Technology; Martijn J. Burger, Erasmus University Rotterdam; Marloes M. Hoogerbrugge, Erasmus University Rotterdam, *Borrowing Size in Networks of Cities: City Size, Network Embeddedness and Metropolitan Functions in Europe*.
- 3:20** Xingjian Liu\*, University of Hong Kong; Ben Derudder, Professor, Ghent University, *Changing geographies of Southeast Asian cities in the world city network, 2000-2013*.
- 3:40** Kang Wu\*, School of Urban Economics and Public Administration, Capital University of Economics and Business, Beijing, China, *The spatial connectivity and complexity of Chinese cities in an intercity corporate network*.
- 4:00** Sören Scholvin\*, Institute of Economic and Cultural Geography, University of Hanover; Javier Revilla Diez, Institute of Geography, University of Cologne, *Gateway Cities in the Global South*.

**1566. Micropolitics of environmental governance, institutional arrangements and grassroots development 2 (Sponsored by Development Geographies Specialty Group)**

- Room:** *Michigan B, Hyatt, East Tower, Ped Path* (Paper Session)  
 ORGANIZER(S): Mireya Bravo Frey, Clark University  
 CHAIR(S): Mireya Bravo Frey, Clark University
- 2:40** Juan Luis Dammert\*, Clark University, *Mobilizing the state for environmental governance: the case of oil palm expansion in the Peruvian Amazon*.
- 3:00** Audrey J. Joslin\*, Texas A & M University, *Territorialization, Authority and Neoliberalism: Sidelining the State in Payments for Watershed Services*.
- 3:20** Emily Billo\*, Goucher College, *An institutional ethnography of corporate social responsibility programs in Ecuador's northern Amazon region*.
- 3:40** Noah Silber-Coats\*, University of Arizona - Geography & Development, *Governing Small Hydropower in Mexico's Sierra Madre Oriental*.
- Discussant(s): Tom Perreault, Syracuse University

**1567. Critical Pedagogy in Geography IV: Exploring Low Cost Alternatives to the Traditional Textbook in Geography (Sponsored by Community College Affinity Group)**

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**Room:** *Michigan C, Hyatt, East Tower, Ped Path* (Panel Session)  
 ORGANIZER(S): Kolson Lee Schlosser, Temple University  
 CHAIR(S): Kolson Lee Schlosser, Temple University  
 Discussant(s): Sarah Goggin, Cypress College  
 Panelists: Michael E. Ritter, University of Wisconsin - Stevens Point; Katrinka C. Somdahl-Sands, Rowan University; Kolson Lee Schlosser, Temple University

**1568. Geographies of the Holocaust and Genocide 4: Research Perspectives (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Historical Geography Specialty Group)**

**Room:** *Roosevelt, Hyatt, East Tower, Ped Path* (Panel Session)  
 ORGANIZER(S): Alberto Giordano, Texas State University  
 CHAIR(S): Alberto Giordano, Texas State University  
 Panelists: Alberto Giordano, Texas State University; Kenneth E. Foote, University of Connecticut; Steven Cooke; David Atkinson, University of Hull, UK; Anne Kelly Knowles, Middlebury College

**1569. Object-Based and Multitemporal Approaches for Image Classification (Sponsored by Remote Sensing Specialty Group)**

**Room:** *Randolph, Hyatt, East Tower, Ped Path* (Paper Session)  
 ORGANIZER(S): Rebecca L. Powell, University of Denver  
 CHAIR(S): Bin Chen, Beijing Normal University  
**2:40** Charles W. Emerson\*, Western Michigan University; Robert L. Anemone, University of North Carolina, Greensboro, *Extracting Productive Eocene Fossil Localities from Remotely Sensed Imagery: A Comparison of Methodologies*.  
**3:00** Richard A. Johansen\*, The University of Toledo; Kevin Czajkowski, The University of Toledo; April Ames, The University of Toledo, *Applying Automated and Semi-Automated Approaches to Mapping Agricultural Tile Drains*.  
**3:20** Bowei Xue\*, University of Arkansas; Jason A. Tullis, University of Arkansas, *Comparing SVM, Cubist and Random Forest on Estimating Forest Total Biomass at Two Study Sites*.  
**3:40** Min Xu\*, Department of Geography, University of Cincinnati; Hongxing Liu, Department of Geography, University of Cincinnati; Bailang Yu, Key Lab of Geographic Information Science, Ministry of Education, East China Normal University; Emily Kang, Department of Mathematical Sciences, University of Cincinnati, *A Markov Random Field Method for Exploiting Spatio-Temporal Contextual Information in multitemporal raster data classification*.  
**4:00** Bin Chen\*, Beijing Normal University; Bing Xu, Ministry of Education Key Laboratory for Earth System Modelling, Center for Earth System Science, and School of Environment, Tsinghua University, *A compound comparison of factors impacting on land-cover classification accuracy from the perspective of data source*.

**1573. Dendrochronology IV: Dendrochronological Applications I (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**

**Room:** *Lucerne 1, Swissôtel, Lucerne Level* (Paper Session)  
 ORGANIZER(S): Christopher M. Gentry, Austin Peay State University; James H. Speer, Indiana State University; Henri D. Grissino-Mayer, University of Tennessee  
 CHAIR(S): Chris Underwood, Lincoln Memorial University  
**2:40** Rebecca Brice\*, University of Arizona, *Antecedent soil moisture reconstruction from tree rings in the Colorado River basin, U.S.A.*.  
**3:00** James H. Speer, PhD\*, Indiana State University; Robert Morrissey, PhD, Czech University of Life Sciences; Miroslav Svoboda, Ing PhD, Czech University of Life Sciences; Volodymyr Trotsiuk, Czech University of

Life Sciences, *Scale Analysis of Norway Spruce Tree-Ring Response in Ukraine*.

**3:20** Christopher A. Underwood\*, Lincoln Memorial University; Brian A. Black, University of Texas; Robert Donahue, Indiana State University; Christopher M. Gentry, Austin Peay State University; Vicki S. Hamilton, Institute for Marine and Antarctic Studies, University of Tasmania; Thomas E. Helser, National Oceanic and Atmospheric Association, Alaska Fisheries Science Center; Mary E. Matta, National Oceanic and Atmospheric Association, Alaska Fisheries Science Center; Kelley Savage, University of Texas; Tommy H.G. Wils, Rotterdam University; Rachel Zuercher, University of California, Santa Cruz, *Climatic influences on Pacific Ocean perch (*Sebastes alutus*) otolith growth*.

**3:40** Henri D. Grissino-Mayer\*, The University of Tennessee, Knoxville, *The Long, Steady Decline of Uniformitarianism in Dendrochronology: What if the Present is No Longer the Key to the Past?*.

Discussant(s): Christopher M. Gentry, Austin Peay State University

**1574. [Spatiotemporal Symposium] Time Geography: Integrating Space with Time in Geographic Research (III) (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**

**Room:** *Lucerne 2, Swissôtel, Lucerne Level* (Paper Session)  
 ORGANIZER(S): Hongbo Yu, Oklahoma State University; Shih-Lung Shaw, University of Tennessee; Kajsa Ellegård, Linköping University  
 CHAIR(S): Hongbo Yu, Oklahoma State University  
**2:40** Katerina Vrotsou\*, Linköping University, *Uncovering projects in time-geographical diary data through interactive visual sequence mining*.  
**3:00** Brian Swedberg\*, Penn State, *PerSE: A visual analytics tool for identifying periodicity in spatio-temporal event data*.  
**3:20** Tijs Neutens\*, Ghent University; Koos Fransen, Ghent University; Steven Farber, University of Toronto; Frank Witlox, Ghent University; Greet Deruyter, Ghent University; Philippe De Maeyer, Ghent University, *Public transport gaps in Flanders (Belgium)*.  
**3:40** Jiawen Yang\*, Peking University; Xiangfu Kong, Peking University; Weiqi Ju, Peking University, *Developing congestion index based on taxi GPS data*.  
**4:00** Matthew Michael Haffner\*, Oklahoma State University - Stillwater, OK; Hongbo Yu, Oklahoma State University, *Measuring social interaction potential in Oklahoma City and Tulsa*.

**1575. Economic Geography IV - Global Scale of Innovation, Investment, Supply-Chains, Commodity Flows, Knowledge and Inventor Networks (Sponsored by Economic Geography Specialty Group)**

**Room:** *Lucerne 3, Swissôtel, Lucerne Level* (Paper Session)  
 ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; David L. Rigby, UCLA  
 CHAIR(S): Dieter Franz Kogler, University College Dublin  
**2:40** Yu Yang\*, Chinese academy of sciences, *The spatial evolution of global crude oil flows*.  
**2:58** Callum Wilkie\*, London School of Economics and Political Science; Andrés Rodríguez-Pose, London School of Economics and Political Science, *Context and the role of policies to attract foreign R&D in Europe*.  
**3:16** Riccardo Crescenzi\*, London School of Economics; Alex Jaxx, London School of Economics, *Global Investment Networks and the territorial dynamics of innovation in Colombia, Chile and Mexico*.  
**3:34** Nick D Henry, Dr\*, Coventry University; Tim Angus, Dr, Independent Consultant; Mark Jenkins, Professor,

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Cranfield University, *'Electric Motorsport Valley': An Evolutionary Tale.*

- 3:52** Stefano Breschi\*, Università L. Bocconi; Francesco Lissoni, Université de Bordeaux, *Foreign inventors in the US: Testing for Diaspora and Brain Gain Effects.*  
Discussant(s): Koen Frenken

**1576. New Directions in Geospatial Simulation: Methodological Advances**

*Room:* Alpine 1, Swissôtel, Lucerne Level (Paper Session)

- ORGANIZER(S): Christopher Bone, University of Oregon; David O'Sullivan, University of California, Berkeley; Arika Ligmann-Zielinska, Michigan State University  
CHAIR(S): Arika Ligmann-Zielinska, Michigan State University  
**2:40** Dawn C. Parker\*, University of Waterloo; Michael Barton, Arizona State University; Terence Dawson, University of Dundee; Tatiana Filatova, University of Twente; Xiongbing Jin, University of Waterloo; Ju-Sung Lee, University of Twente; J. Gary Polhill, The James Hutton Institute; Kirsten Robinson, University of Waterloo; Alexey Voinov, University of Twente, *The MIRACLE project: A community library to archive and document analysis methods for output from agent-based models.*  
**3:00** Christopher Bone\*, University of Oregon; Lorien Jasny, National Socio-Environmental Synthesis Center; Nathan Mosurinjohn, University of Oregon, *Evaluating the Utility of Simulation Modeling in Planning.*  
**3:20** Fraser Morgan\*, Landcare Research New Zealand; Adam Daigneault, Landcare Research New Zealand; Pike Brown, Landcare Research New Zealand, *Empirical parameterisation of an agent-based model of rural land use change.*  
**3:40** Amy Lobben\*, University of Oregon; Chris Bone, University of Oregon, *Cognitive Agents.*  
**4:00** Danielle J. Marceau, Professor\*, University of Calgary; Habib Mazaheri, Post-doctoral fellow, Department of Geomatics Engineering; Mahsa Amini Tareh, Ph.D. student, Department of Geomatics Engineering, University of Calgary, *A software environment for an object-based cellular automata.*

**1577. Re-Birth of the Region: Saliency, Implications and Imaginaries (Sponsored by Russian, Central Eurasian, and East European Specialty Group, International Research and Scholarly Exchange Committee, Development Geographies Specialty Group, Mountain Geography Specialty Group)**

*Room:* Alpine 2, Swissôtel, Lucerne Level (Panel Session)

- ORGANIZER(S): Fausto O. Sarmiento, University of Georgia; Vandana Wadhwa, Boston University; Jeremy Tasch, Towson University  
CHAIR(S): Fausto O. Sarmiento, University of Georgia  
Introducer: Fausto O. Sarmiento  
Panelists: Vandana Wadhwa, Boston University; Jeremy Tasch, Towson University; Enru Wang, University of North Dakota; Claudia A. Radel, Utah State University; Nathaniel S. Trumbull, University of Connecticut; Kara Dempsey, DePaul University

**1578. Weather and Climate: Case Studies**

*Room:* Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)

- ORGANIZER(S): Program Committee  
CHAIR(S): Assaf Alhawas  
**2:40** Zhanming Wan\*, University of Oklahoma; Ke Zhang, The Cooperative Institute for Mesoscale Meteorological Studies; Xianwu Xue, University of Oklahoma; Zhen Hong, University of Oklahoma; Yang Hong, University of Oklahoma; Jonathan J. Gourley, NOAA/National Severe Storms Laboratory, *Retrieval of Actual Evapotranspiration from Ground and Satellite Observations Over the Conterminous United States.*  
**3:00** Craig Ramseyer\*, University of Georgia, *Performance*

*of atmospheric predictor variables in statistical downscaling of precipitation in Puerto Rico.*

- 3:20** Khamis D Muslih\*, University of Baghdad; College of Arts; Department of Geography; Krzysztof Blazejczyk, University of Warsaw, Faculty of Geography and Regional Studies, Institute of Physical Geography, Department of Climatology, *Long-term changes in air temperatures in Iraq over the period 1941-2013.*  
**3:40** Assaf Alhawas\*, King Saud University, *El-Nino relation to anomalous rainy event patterns over the subtropics.*  
**4:00** Junyu Lu\*, University of South Carolina - Columbia; Gregory J. Carbone, University of South Carolina - Columbia, *Understanding the Impact of Drought on Crop Yield in South and North Carolina.*

**1579. Informal food systems and livelihoods in cities of the global South: Connecting case studies from Brazil, Cameroon, Haiti, and Malawi (Sponsored by Development Geographies Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* St. Moritz, Swissôtel, Lucerne Level (Panel Session)

- ORGANIZER(S): Liam Riley, Balsillie School of International Affairs; Erin Pratley; Jennifer Vansteenkiste, University of Guelph  
CHAIR(S): Alexander Legwegoh, University of Guelph  
Panelists: Jennifer Vansteenkiste, University of Guelph; Liam Riley, Balsillie School of International Affairs; Alexander Legwegoh, University of Guelph; Erin Pratley

**1580. Geography of Financial Markets, Institutions and Centers (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)**

*Room:* Grindelwald, Swissôtel, Lucerne Level (Paper Session)

- ORGANIZER(S): Balázs Forman, Corvinus University of Budapest  
CHAIR(S): Balázs Forman, Corvinus University of Budapest  
**2:40** Bas Karreman\*, Erasmus School of Economics; Thijs Nacken, Erasmus School of Economics; Enrico Pennings, Erasmus School of Economics, *Uncertainty, Competition, and the Expansion Strategies of Multinational Banks in Central and Eastern Europe.*  
**3:00** Samuel Frederico\*, UNESP, *Financial capital and agricultural use of the Brazilian territory.*  
**3:20** Eirik Vatne\*, Norwegian School of Economics, *Venture capital, private equity and innovation systems. The spatiality of risk money.*  
**3:40** James J.T. Connolly, Ph.D.\*, Northeastern University, *The Geography of Regional Economic Resilience: The Case of the Finance Sector in the United States.*  
**4:00** Onofre Rullan\*, University of the Balearic Islands, *Financialization and privatization of the built environment in the urban dynamic post-crisis.*

**1581. Geographies of Internationalization: Higher Education Encountering the Global (Sponsored by Cultural Geography Specialty Group)**

*Room:* Verbier, Swissôtel, Lucerne Level (Panel Session)

- ORGANIZER(S): Sertanya Reddy; Elizabeth A. Olson, UNC-Chapel Hill  
CHAIR(S): Elizabeth A. Olson, UNC-Chapel Hill  
Panelists: Sertanya Reddy; Kavita K. Pandit, University of Georgia; Michael J. Broadway, Northern Michigan University; Parvati Raghuram, The Open University; Emily Skop, The University of Colorado At Colorado Springs; Heike Joens, Loughborough University

**1582. Between Hope and Despair: Intersectionality, Power, and Praxis in Feminist Urban Geography (Sponsored by Geographic Perspectives on Women Specialty Group)**

*Room:* 100 Classroom, University of Chicago Gleacher Center, 1st

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*Floor* (Panel Session)

ORGANIZER(S): Brenda Parker, University of Illinois At Chicago; Tiffany K. Muller Myrdahl, Simon Fraser University

CHAIR(S): Brenda Parker, University of Illinois At Chicago

Panelists: Brenda Parker, University of Illinois At Chicago; Fran Klodawsky, Carleton University; Ebru Ustundag, Brock University; Sedy Guerrier Alcidonis; Asli Duru, LMU Munich

## 1583. Liminal spaces: practices of belonging and agency among displaced people

*Room:* 200 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Mary Gilmartin, Maynooth University; Anna Kaisa Kuusisto-Arponen, University of Tampere

CHAIR(S): Mary Gilmartin, Maynooth University

2:40 Mary Gilmartin\*, Maynooth University, *Migrancy, permanent liminality and decoloniality.*

3:00 Jen Dickinson\*, Leicester University, *Chronicling Kenyan Asian migrant communities: 'newcomers', 'established' migrants, and the post-colonial practices of time-work.*

3:20 Yolanda Weima\*, Queen's University, *Limits in Liminality: Burundian returnees' memories of camps and experiences of Rural Integrated Villages.*

3:40 Anna Kaisa Kuusisto-Arponen\*, University of Tampere, *Alone in the world? The gap between institutional care and transcultural emotional ties among unaccompanied refugee minors in Finland and in Ireland.*

4:00 Malene H. Jacobsen\*, University of Kentucky, *Theorizing Political Subjectivity in the Liminal Space of the Danish Asylum System.*

## 1584. International and Comparative Education B (Sponsored by National Center for Research in Geography Education, International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)

*Room:* 203 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Michael N. Solem, Association of American Geographers

CHAIR(S): Michael N. Solem, Association of American Geographers

2:40 Chandra S. Balachandran\*, The Indian Institute of Geographical Studies, *Non-Formal Interventions In Geography Education In India.*

3:00 ROSA CERAROLS\*, Universitat Pompeu Fabra Barcelona; Tim Hall, University of Winchester; Antonio Luna-Garcia, Universitat Pompeu Fabra Barcelona, *The Geographer Within: the rise of multidisciplinary departments delivering geography programmes..*

3:20 Minori Yuda\*, The University of Tokyo, *Geography and Teachers in School Education in Japan.*

3:40 Péter Bagoly-Simó\*, Humboldt-Universität zu Berlin, *Geography Textbooks and Educational Media. International Research Perspectives.*

Discussant(s): Michael N. Solem, Association of American Geographers

## 1585. Cognition, Behavior and Design, IV: Designing Effective Maps (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)

*Room:* 204 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Cynthia Ann Brewer, Pennsylvania State University; Amy Griffin, UNSW Canberra

CHAIR(S): Cynthia Ann Brewer, Pennsylvania State University

2:40 Mairead De Roiste\*, Victoria University; Michelle Boodee,

VUW and Spatial IQ; Mark Shaw, Spatial IQ; David Swann, Spatial IQ, *Assessing Maps: Heuristics for web maps.*

3:00 John C. Kostelnick\*, Illinois State University, *The Humanitarian Symbolism Scorecard: A Resource to Improve Crisis Map Design.*

3:20 Ian Muehlenhaus\*, James Madison University; Bernhard Jenny, Oregon State University; Brooke E. Marston, Oregon State University, *Deconstructing and Testing Flow Map Design for Future Automation.*

3:40 Natalia Vorotyntseva\*, University of Connecticut; Robert G. Cromley, University of Connecticut, *Visualizing Segregation Patterns.*

4:00 Kazimierz J. Zaniewski\*, University of Wisconsin, *Thematic Mapping with Less KNowN Software Packages.*

## 1586. Hydrology, Biogeosciences and Management in Human-Impacted Watersheds - III (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)

*Room:* 300 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Luc Claessens, University of Delaware; Jonathan M. Duncan, UNC Chapel Hill

CHAIR(S): Jonathan M. Duncan, UNC Chapel Hill

2:40 Bartosz Grudziński, Dr.\*, Kansas State University; Claire Ruffing, Dr. Kansas State University; Phil Barnes, Dr. Kansas State University; Melinda D Daniels, Dr. Stroud Water Research Center, *Climatic influences and temporal variability in suspended sediment dynamics in actively grazed grassland streams.*

3:00 Mingjing Yu\*, University of Illinois; Bruce L. Rhoads, University of Illinois; Conor Neal, University of Illinois; Alison M. Anders, University of Illinois, *Tracing suspended sediment sources in the Upper Sangamon River Basin using fingerprinting techniques.*

3:20 Qun Gao\*, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences; Lu ZHANG, Nanjing Institute of Geography & Limnology, CAS; Huruma Fredrick MGANA, Tanzania Fisheries Research Institute; Shuang CHEN, Nanjing Institute of Geography & Limnology, CAS; Ismael Aaron KIMIREI, Tanzania Fisheries Research Institute, *Monitoring Nitrogen Atmospheric Deposition and Nitrogen isotopes as indicators of N source contributions in Lake Tanganyika, East Africa.*

3:40 Steven H Douglas\*, USFSP, *Mapping of Groundwater Vulnerability Using Spatially Integrated Pesticide Attenuation Factor.*

4:00 Michael Commons\*, Syracuse University, *Effects of Low Order Tributaries on Riparian Vegetation along Free-Flowing and Dammed Rivers.*

## 1587. #CritGIS: Social Justice and GIS: Past, Present, and Future

*Room:* 303 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Ellen Kersten, University of California - Berkeley

CHAIR(S): Jonathan Cinnamon, The Ohio State University

2:40 Clinton Davis\*, Temple University, *The Role of Data Reporting in Social Service Power Structures (Proposal).*

3:00 Jonathan Cinnamon\*, University of Exeter, *The data divide: Placing data in the context of social justice.*

3:20 Ellen Kersten\*, University of California - Berkeley, *Spatial triage, spatial justice? A critical evaluation of geospatial approaches to health equity research and policy.*

3:40 Jill Gambill\*, University of Georgia; Jason Evans, Ph.D., Stetson University; Mariana Alfonso, University of Georgia, *A Radical Trans-Disciplinary Approach to Sea Level Rise Planning in the Southeast.*

**TUESDAY, APRIL 21 • 2:40 PM - 4:20 PM • 1500**

Introducer: Christopher Strother  
 Discussant(s): Dillon Mahmoudi, Portland State University

- 1588. Spatial Data Mining and Big Data Analytics (4) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**  
*Room:* 304 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)  
 ORGANIZER(S): Diansheng Guo, University of South Carolina; May Yuan, University of Texas - Dallas; Harvey J. Miller, The Ohio State University  
 CHAIR(S): Caglar Koylu  
**2:40** Gordon Green, PhD\*, Foundation Center; Jake Garcia, Foundation Center; Kathye Giesler, Foundation Center; Bereketab Lakew, Foundation Center; Thomas Provan, Foundation Center; Daniel Saronson, Foundation Center, *Improving Geographic Entity Extraction with Network Analysis of Domain-Specific Information.*  
**3:00** Zhe Sun\*, Ministry of Education Key Laboratory for Earth System Modeling, Center for Earth System Science, Tsinghua University, Beijing 100084, China; Bing Xu, Ministry of Education Key Laboratory for Earth System Modeling, Center for Earth System Science, Tsinghua University, Beijing 100084, China, *Statistical Analysis and Geographic Patterns of Worldwide Air-Transportation Network 1982-2011.*  
**3:20** Peng Gao\*, University at Buffalo; Ling Bian, University at Buffalo, *Uncovering the Interplay between Network and Physical Spaces in Spatially Embedded Social Networks.*  
**3:40** Jian Chen\*, University of Louisiana; Maria Bala Duggimpudi, University of Louisiana at Lafayette; Shaaban Abbady, University of Louisiana at Lafayette, *A Scalable Spatio-temporal Data mining Framework for Anomaly Detection.*  
**4:00** Monsuru Adepeju\*, University College London; Tao Cheng, University College London, *Detection of Emerging Hot-Routes of Crime for Proactive Policing using Prospective Space-Time Scan Statistics (PSTSS).*

- 1590. Rivers and Fluvial Ecosystems**  
*Room:* 406 Classroom, University of Chicago Gleacher Center, 4th Floor (Paper Session)  
 ORGANIZER(S): Program Committee  
 CHAIR(S): Nathaniel S. Trumbull, University of Connecticut  
**2:40** Sarmistha Chatterjee\*, University of Delaware; Melinda Daniels, Stroud Water Research Center, *Barriers to Fluvial Connectivity and Aquatic Biodiversity in the Central Great Plains: Fragmentation of Stream Networks in Semi-Arid Kansas.*  
**3:00** Chia-Yu Wu\*, University of Florida; Joann Mossa, University of Florida, *The sediment budget of the Lower Mississippi River by investigation the variation of channel morphology.*  
**3:20** Larry Strong\*, U.S. Geological Survey, *Abundant sandbar creation by the 2011 Missouri River flood provides little evidence of sediment limitations to habitat renewal.*  
**3:40** Ranbir Singh Kang\*, Western Illinois University, *Morphologic attributes of meander bends in a low order alluvial stream with high rates of bank erosion.*  
**4:00** Christine Bae, University of Washington; James Moore, University of Southern California; Nathaniel S. Trumbull\*, University of Connecticut; JiYoung S. Park, University of Buffalo; Ihnji Jon, University of Washington, *The environmental and economic impacts of moorage marinas on the West Coast.*

- 1591. Migrant identity perceptions; bodies, narratives, places and objects (Sponsored by Population Specialty Group)**  
*Room:* 422 Classroom, University of Chicago Gleacher Center, 4th Floor (Paper Session)  
 ORGANIZER(S): Pablo Mateos, CIESAS  
 CHAIR(S): Stephane Paquette  
**2:40** Sutapa Chattopadhyay\*, PhD, UNU-Merit & Maastricht University, *Prison Narratives from the Center for Identification and Deportation, Ponte Galeria, Rome Italy.*  
**3:00** Mathias Rodatz\*, Goethe-University Frankfurt, *'A mosque for every neighborhood in Frankfurt'. The selective performativity of 'diversity' in German cities..*  
**3:20** Linn Axelsson\*, Stockholm University, *Wearing the Ghanaian Border: Performing Moral Borders through the National Friday Wear Programme.*  
**3:40** Stéphanie Paquette\*, University of Ottawa, *The Performativity of Religious Identities among Newcomers in Ottawa, Canada: Challenging the Religious/Secular Binary.*
- 1592. Decolonization, resistance and resurgence IV :: Decolonizing the academy - Sites of decolonial political praxis (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**  
*Room:* 600a Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)  
 ORGANIZER(S): Margaret Marietta Ramirez, University of Washington, Seattle; Michelle D. Daigle, University of Washington  
 CHAIR(S): Margaret Marietta Ramirez, University of Washington, Seattle  
**2:40** Andrea Choi\*, Queen's University, *Anti-racism, methodologies, and the (im)possibilities of decolonizing the discipline of geography.*  
**3:00** Anne Godlewska\*, Geography Department; Anne M. C. Godlewska, Professor, Geography Department, Queens University, *Co-Designing Research in Place with FNMI Educators.*  
**3:20** Garrett Graddy-Lovelace, PhD\*, American University School of International Service, *In-situ centric: reorienting & resituating agrobiodiversity conservation & epistemology.*  
**3:40** Nicholas L. Padilla\*, University of Wisconsin-Milwaukee, *Indigenous education in Cauca, Colombia: Reawakening Mother Nature and sowing the seeds of harmony.*  
 Discussant(s): Adam Barker
- 1593. Hyperspectral and Lidar Remote Sensing for Urban Applications (Sponsored by Remote Sensing Specialty Group)**  
*Room:* 600b Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)  
 ORGANIZER(S): Rebecca L. Powell, University of Denver  
 CHAIR(S): Qianlong Guo  
**2:40** XIAO LI\*, University of Texas - Dallas; Fang Qiu, Geospatial Information Sciences, University of Texas at Dallas, *Building Model Extraction and Regularization from Airborne LIDAR data for urban area.*  
**3:00** Zhenfeng Shao\*, Wuhan University; Yunji Zhu, Wuhan University; Lei Zhang, Wuhan University, *Automatic Segmentation of Rooftops from Airborne LiDAR Point Clouds Based on 3D Voronoi Diagram.*  
**3:20** Santosh Rijal\*, Southern Illinois University Carbondale; Guangxing Wang, Southern Illinois University Carbondale, *Mapping Gullies in a Military Disturbed Land using LiDAR Data.*  
**3:40** Nate Currit, PhD\*, Texas State University; Mohan Rao, Children's Optimal Health, *Identifying Coal-Tar Sealed Parking Lots Using Hyperspectral Imagery in Austin*

## TUESDAY, APRIL 21 • 2:40 PM - 4:20 PM • 1500

*Texas.*

**4:00** Qiandong Guo, MSc\*, School of Geosciences, University of South Florida; Ruiliang Pu, PhD, School of Geosciences, University of South Florida; Lianru Gao, PhD, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences; Bing Zhang, PhD, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, *A Novel Anomaly Detection Method Incorporating Target Information Derived from Hyperspectral Imagery.*

**1594. Panel discussion: Mega-projects, mega-events: future research agendas**

*Room:* 602 Classroom, University of Chicago Gleacher Center, 6th Floor (Panel Session)

ORGANIZER(S): Martin Müller, Universität Zürich; Mark I. Wilson, Michigan State University; Christopher Gaffney, Universidade Federal Fluminense

CHAIR(S): Christopher Gaffney, Universidade Federal Fluminense

Panelists: Judith Grant Long; Stanley D. Brunn, University of Kentucky; Eva Kassens-Noor, MSU; Elena Trubina, Ural Federal University; Graeme Lorenzo Evans, Middlesex University; Gilmar Mascarenhas; James P. Freeman, Concordia University

**1595. Geography and Asian-American Studies: Past Reflections and Future Collaborations (Sponsored by Geographic Perspectives on Women Specialty Group, Asian Geography Specialty Group, Ethnic Geography Specialty Group)**

*Room:* 604 Classroom, University of Chicago Gleacher Center, 6th Floor (Panel Session)

ORGANIZER(S): Sean H. Wang, Syracuse University

CHAIR(S): Sean H. Wang, Syracuse University

Discussant(s): Stevie Larson, University of North Carolina - Chapel Hill; Ishan Ashutosh, Indiana University

Panelists: Wendy Cheng, Arizona State University; Yui Hashimoto; Timmy Huynh, Pennsylvania State University; Justin Tse, University of Washington

**1597. Intergenerational and life course geographies in times of crisis**

*Room:* 621 Executive Dining Room, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Sarah Marie Hall, University of Manchester - Manchester; Helena Pimlott-Wilson, Loughborough University

CHAIR(S): Sarah Marie Hall, University of Manchester - Manchester

**2:40** Katherine V. Gough, PhD\*, Loughborough University, *Changing life course geographies in times of financial crisis: a longitudinal study of families in Pereira, Colombia.*

**3:00** Helena Pimlott-Wilson, PhD\*, Loughborough University, *The significance of gender in work-life balance aspirations.*

**3:20** Philip Kelly\*, York University, *Masculinity and Intergenerational Mobility in Recessionary Times: The Case of Filipino-Canadian Male Youth Outcomes.*

**3:40** Irene Hardill\*, Northumbria University, *Online government, but 'offline' older adults: understanding the challenges and coping strategies of older adults.*

**4:00** Dena Aufseeser\*, University of Maryland Baltimore County, *Learning, work and livelihoods: Assessing the problem of 'child labor' in Peru.*

**TUESDAY, APRIL 21 • 4:40 PM - 6:20 PM • 1600****1601. American Association of University Professors (AAUP)****Centennial Lecture: Safeguarding Academic Freedom**

*Room:* Skyway 260, Hyatt, East Tower, Blue Level (Panel Session)

ORGANIZER(S): Michael N. Solem, Association of American Geographers

CHAIR(S): Michael N. Solem, Association of American Geographers

Panelists: Hans-Joerg Tiede, Illinois Wesleyan University

**1602. Author Meets Critics: Jessica Barnes' "Cultivating the Nile: The Everyday Politics of Water in Egypt" (Sponsored by Cultural and Political Ecology Specialty Group, Middle East Specialty Group, Africa Specialty Group)**

*Room:* Skyway 261, Hyatt, East Tower, Blue Level (Panel Session)

ORGANIZER(S): Trevor Birkenholtz, University of Illinois at Urbana-Champaign

CHAIR(S): Rebecca Lave, Indiana University

Introducer: Rebecca Lave

Discussant(s): Jessica Barnes, University of South Carolina

Panelists: Richard A. Schroeder, Rutgers University; Samer

N. Alatout, University of Wisconsin-Madison;

Trevor Birkenholtz, University of Illinois at Urbana-Champaign

**1605. Institutionalizing local buzz and global pipelines? The Potential of Innovation Hubs and Labs to Stimulate Creativity and Entrepreneurship (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)**

*Room:* Skyway 272, Hyatt, East Tower, Blue Level (Panel Session)

ORGANIZER(S): Nicolas Friederici, Oxford Internet Institute; Mark Graham, University of Oxford

CHAIR(S): Brian J. Hraes, University of Southampton

Panelists: Suntje Schmidt, Institute for Regional Development and Structural Planning; Janet Merkel, WZB; Cheryl Butler, Eastleigh Borough Council; Nick Clifton, Cardiff Metropolitan University; Tayo Akinyemi, AfriLabs

**1606. Food Utopias: Responding to the Challenges Facing Agriculture and Food Systems II (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Christopher Rosin, Centre for Sustainability: Agriculture, Food, Energy, Environment; Paul Stock

CHAIR(S): Christopher Rosin, Centre for Sustainability:

Agriculture, Food, Energy, Environment

**4:40** Paul Stock, PhD\*, University of Kansas, *Picturing Good Farming: Performing Food Utopias with New, Sustainable Farmers.*

**5:00** Amy Guptill\*, The College at Brockport, SUNY, *Regional Differences in Local Food Marketing: The Case of Online Local Food Markets.*

**5:20** Heather Hyden, B.A.\*, University of Kentucky, *"Food systems actors and the practice of reflexivity towards more justice centered alternative food initiatives".*

**5:40** Bryan Dale\*, University of Toronto, *From 'No Place' to 'Food from Somewhere': Food Sovereignty, Climate Justice and Utopia.*

Discussant(s): Christopher Rosin, Centre for Sustainability: Agriculture, Food, Energy, Environment

**1609. The Use of Geographic Analysis in School Enrollment Projections (Sponsored by Geographic Information Science and Systems Specialty Group, Applied Geography Specialty Group, Population Specialty Group)**

*Room:* Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Geoffrey H. Smith, University of Iowa; Sarah Kemp, University of Wisconsin - Madison

CHAIR(S): Sarah Kemp, University of Wisconsin - Madison

**4:40** David Haynes\*, University of Minnesota, *Improving Enrollment Projections Through the Application of Geographic Principles: Iowa 1999-2011.*

**5:00** Deane R. Lryan\*, Portland State Univ, *The Demographics of Zoning.*

**5:20** Geoffrey H. Smith, MS\*, University of Iowa, *Developing and Validating New Methods for Projecting Enrollments within Urban School Districts.*

**5:40** Jeanne Gobalet, PhD\*, Lapkoff & Gobalet Demographic Research, Inc.; Shelley Lapkoff, PhD, Lapkoff & Gobalet Demographic Research, Inc.; Robin Merrill, Lapkoff & Gobalet Demographic Research, Inc., *Public School Enrollment Forecasts for a Neighborhood with a Changing Housing Mix.*

**6:00** Richard S. Grip\*, Statistical Forecasting, *Computing Student Yields: A Case Study in Comparing Methodology.*

**1610. Geographies of Outer Space**

*Room:* Skyway 284, Hyatt, East Tower, Blue Level (Panel Session)

ORGANIZER(S): Julie Klinger, University of California-Berkeley

CHAIR(S): Julie Klinger, University of California-Berkeley

Introducer: Julie Klinger

Panelists: Jason Beery, University of Pittsburgh; Paola Castano; Lisa Messeri

**1611. Immigration in the Americas**

*Room:* Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Betty Elaine Smith, Eastern Illinois University

**4:40** Amory Ballantine\*, Evergreen State College, *Limits of Dominion: Tracing Environmental Impacts of the Physical and Biometric U.S.-Mexico Border.*

**5:00** Richard C. Jones\*, University of Texas at San Antonio, *The Central American Surge: a Spatial-Temporal Investigation.*

**5:20** Sean M. Crotty\*, Texas Christian University, *Origins of Informality: Examining the Life-Cycle of Day-Labor Spaces.*

**5:40** Vincent Zubedaar Kuire\*, University of Western Ontario; Godwin Arku, PhD, Western University; Isaac Luginaah, PhD, Western University, *Impact of Remittance Behaviour on Immigrant Housing Ownership Trajectories in Canada.*

**6:00** Kathryn Tomko Dennler\*, York University, *Waiting, Wondering, Worrying?: Contextualizing Liminal Immigration Status in Toronto, Canada.*

**1613. Careers in GIS: The Real World Awaits (Sponsored by AAG Jobs and Careers Theme)**

*Room:* Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Todd Schuble, University of Chicago

CHAIR(S): Todd Schuble, University of Chicago

Introducer: Todd Schuble

**1614. Author-Meets-Critics: Encountering Affect by Ben Anderson**

*Room:* Columbus CD, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Maria Fannin, University of Bristol

CHAIR(S): Maria Fannin, University of Bristol

Discussant(s): Arun Saldanha, University of Minnesota - Minneapolis

Panelists: Keith Woodward, University of Wisconsin-Madison; Carolyn Pedwell, University of Kent; Scott Sharpe, University of New South Wales at Canberra; Leila Dawney, University of Brighton, UK; Ben Anderson, Durham University

**1615. New Perspectives in Paleoenvironmental Change and Geoarchaeology V: Anna Roosevelt, Old and New World Geoarchaeology (Sponsored by Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)**



**TUESDAY, APRIL 21 • 4:40 PM - 6:20 PM • 1600**

- Room:** *Columbus EF, Hyatt, East Tower, Gold Level* (Paper Session)  
**ORGANIZER(S):** Samuel Erik Munoz, University of Wisconsin-Madison; Matthew Charles Peros, Bishop's University; Timothy Beach, University of Texas at Austin  
**CHAIR(S):** Timothy Beach, University of Texas at Austin  
**4:40** Matthew Charles Peros\*, Bishop's University; Mirjana Roksandic, University of Winnipeg; Bill Buhay, University of Winnipeg; David G. Smith, University of Toronto at Mississauga; Yadira Chinique, University of Havana; Ivan Roksandic, University of Winnipeg, *Human Migration into the Caribbean: New Data and Perspectives from Cuba*.  
**5:00** Scott A. Mensing\*, University of Nevada - Reno; Irene Tunno, Dendrology Lab, DAFNE Università degli Studi della Toscana, Viterbo, Italy; Leonardo Sagnotti, Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy; Fabio Florindo, Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy; Paula Noble, Department of Geosciences, University of Nevada, Reno, Nevada, USA; Claire Archer, Department of Geosciences, University of Nevada, Reno, Nevada, USA; Susan Zimmerman, Center for Accelerator Mass Spectrometry, Lawrence Livermore National Laboratory, California, USA; Francisco-Javier Pavón-Carrasco, Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy; Gabriele Cifani, Università degli Studi di Roma Tor Vergata, Rome, Italy; Susanna Passigli, Università degli Studi di Roma Tor Vergata, Rome, Italy; Gianluca Piovesan, Dendrology Lab, DAFNE Università degli Studi della Toscana, Viterbo, Italy, *2700 years of Mediterranean environmental change in central Italy: A synthesis of sedimentary and cultural records to interpret past impacts of climate on society*.  
**5:20** Anna C. Roosevelt, Ph.D.\*, U Illinois at Chicago, *The Amazon and the Congo-Guinean Forests: Problems in the epistemology of long-term human-environment interaction*.
- 1616. The Author meets the Critics: Deborah Cowen's The Deadly Life of Logistics: Mapping Violence in Global Trade (Sponsored by Political Geography Specialty Group)**  
**Room:** *Columbus G, Hyatt, East Tower, Gold Level* (Panel Session)  
**ORGANIZER(S):** Geoff Mann, Simon Fraser University; Charmaine Chua, University of Minnesota - Minneapolis  
**CHAIR(S):** Geoff Mann, Simon Fraser University  
**Panelists:** Anja Kannigieser, Goldsmiths College, University of London; Derek Gregory, University of British Columbia; Mazen Labban, Rutgers University; Deborah Cowen, University of Toronto
- 1617. Policies and Worldviews: Indigenous Adaptation and Resistance (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)**  
**Room:** *Columbus H, Hyatt, East Tower, Gold Level* (Paper Session)  
**ORGANIZER(S):** RDK Herman, National Museum of the American Indian  
**CHAIR(S):** Naomi Simmonds, The University of Waikato  
**4:40** Ann E. Larimore\*, University of Michigan, *Contrasting World Views For Occupying Land: The Epistemology of The United States' Policy of Native American Land Dispossession*.  
**5:00** Joseph Brewer\*, University of Kansas, *An Accounting: Extension in Indian Country*.  
**5:20** Jacquelyn Jampolsky\*, University of Colorado, Boulder, *Property, Sovereignty and Governable Space*.  
**5:40** Maria Belén Noroña\*, University of Oregon, *Indigenous adaptive strategies to mining and institutional policy frameworks in the Amazon Region of Ecuador: The Sani, Tzawata and Chukapi case studies*.  
**Discussant(s):** Naomi Simmonds, The University of Waikato

- 1618. Hydroclimatology III (Sponsored by Climate Specialty Group, Water Resources Specialty Group)**  
**Room:** *Columbus JJ, Hyatt, East Tower, Gold Level* (Paper Session)  
**ORGANIZER(S):** Trenton Ford, Texas A&M University; Shanshui Yuan; Christopher Labosier, Longwood University  
**CHAIR(S):** Christopher Labosier, Longwood University  
**4:40** Natalie Teale\*, Texas A&M University; Steven Quiring, Texas A&M University, *Hydrometeorological and climatological conditions associated with flash flooding in the Catskill Mountains, New York, USA*.  
**5:00** Heike Hartmann\*, Slippery Rock University, *Seasonal Predictions of Precipitation for the Tarim River Basin*.  
**5:20** Liang Chen\*, Texas A&M University; Oliver W. Frauenfeld, Texas A&M University, *Impacts of Land Cover Changes on Climate in China*.  
**5:40** Manuel Hernandez\*, Texas A&M University; Oliver Frauenfeld, Assistant Professor, Texas A&M University, *Assessment of Statistically Downscaled CMIP5 Simulations of the North American Monsoon System*.
- 1619. Exploring a more-than-verbal human geography: a discussion**  
**Room:** *Columbus KL, Hyatt, East Tower, Gold Level* (Panel Session)  
**ORGANIZER(S):** Heather Rosenfeld, University of Wisconsin - Madison; Sarah Bennett, UW-Madison  
**CHAIR(S):** Kacy McKinney  
**Introducer:** Kacy McKinney  
**Panelists:** Nick Lally, University of Wisconsin - Madison; Eric M. Huntley, University of Kentucky; Heather Rosenfeld, University of Wisconsin - Madison; EBONY FLOWERS, University of Wisconsin - Madison; Julia Helen Heslop, Durham University, UK; Clemens Driessen, Wageningen University - the Netherlands
- 1620. National Parks: Origins and Management**  
**Room:** *Grand A, Hyatt, East Tower, Gold Level* (Paper Session)  
**ORGANIZER(S):** Daniel R. Block, Chicago State University  
**CHAIR(S):** Manuel Molla, Universidad Autonoma De Madrid  
**4:40** Harold Alan Perkins\*, Ohio University, *Killing One Trout to Save Another: The Politics of Lake Trout and Cutthroat Trout Management in Yellowstone National Park*.  
**5:00** Daniel Kunches\*, Pennsylvania State University, *Averting the Tragedy of the Commons: A critique of the management of visitor impacts in Yosemite National Park*.  
**5:20** Xiao Xiao\*, University of Vermont; Elizabeth Perry, University of Vermont; Robert Manning, University of Vermont, *The relationship between travel distance, transportation preferences and national park visitation for different racial/ethnic visitors*.  
**5:40** Manuel Molla\*, Universidad Autonoma De Madrid, *The American Experience in the Creation of National Parks in Spain*.
- 1621. The GIScience Classroom**  
**Room:** *Grand B, Hyatt, East Tower, Gold Level* (Paper Session)  
**ORGANIZER(S):** Melissa J. Tolene Rura, United Methodist Neighborhood Centers of Memphis  
**CHAIR(S):** Barbara L. MacLennan, West Virginia University  
**4:40** Emily Snow\*, University of Georgia; John A. Knox, University of Georgia, *Flipping without Flopping: Moving Towards a Flipped GIScience Classroom*.  
**5:00** Qiaofeng (Robin) Zhang\*, Murray State University; Robin Zhang, Ph. D., Department of Geosciences, Murray State University, *Engaging students through service learning - benefits and challenges*.  
**5:20** Yi-Ting Chuang\*, San Diego State University; Ming-Hsiang Tsou, San Diego State University, *Utilizing Mobile Technology in GIS Education: A Case Study of Using iPad and iBooks in Fieldwork and Location Based Exercise*.

**TUESDAY, APRIL 21 • 4:40 PM - 6:20 PM • 1600**

**5:40** Barbara L. MacLennan\*, West Virginia University; Terrance Ryan, West Virginia University; Bobbi Benson, Marion County Solid Waste Authority, *Exploring STEM (and STEAM) through Geography: Making Space for Technology.*

**6:00** David J. Cowen\*, University of South Carolina, *GIS and STEM in Higher Education.*

**1622. Contested Neighborhoods III: unequal power relations in local politics (Sponsored by Urban Geography Specialty Group)**

*Room:* Grand C/D North, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Fenne Pinkster, Universiteit Van Amsterdam

CHAIR(S): Fenne Pinkster, Universiteit Van Amsterdam

**4:40** Jenny Muir, Dr\*, Queen's University Belfast, *Territoriality and 'shared space' in neoliberal times: The regeneration of Crumlin Road Goal and Girdwood Park, Belfast, Northern Ireland.*

**5:00** Ted Pride\*, Wayne State University, *Community-Based Organizations and Community Conflict in the Age of Neoliberalism: A Case Study of a Detroit Neighborhood.*

**5:20** Ryan M. Good\*, Rutgers University, *Keeping Schools in Their Place: Claims to Space and the Contestation of School Closures in Philadelphia.*

**5:40** Simon Escoffier\*, University of Oxford, *Mobilisational citizenship in Santiago de Chile's poor neighbourhoods: Identity, memory, and collective action.*

**6:00** Chao Wang\*, university of toronto, *Live in a neighborly way: A case study of neighborhood struggles in Panzhuhua, China.*

**1625. Social and Health Geographies**

*Room:* Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yingru Li, Auburn University

**4:40** Ping Yin\*, University of Mary Washington, *Urban Green Spaces and Poor Birth Outcomes: A Case Study of Metropolitan Atlanta, Georgia.*

**5:00** Mei Ruu Kok, BSc\*, University of Western Australia; Bryan Boruff, BA MA, PhD, University of Western Australia; Alistair Vickery, MBBS, FRACGP, University of Western Australia; David Whyatt, BAnSc, PhD, University of Western Australia, *Understanding the Relationship between Socio-economic Status and GP Accessibility Using Three Different Methods: A Case Study from Northern Metropolitan Perth, Australia.*

**5:20** Olof Moen\*, University of Gothenburg, *Shortcomings in planning of elderly home care services. Technological development lacks organizational innovations where the geographic component is essential..*

**5:40** Dagmar Dzurova\*, Charles University in Prague, Faculty of Science, Czech Republic; Jan Jarolimek, Charles University in Prague, Faculty of Science, Czech Republic; Jana Spilkova, Charles University in Prague, Faculty of Science, Czech Republic, *Risk behavior and built environment.*

**6:00** Yingru Li\*, Auburn University; Leah Robinson, University of Michigan; William M Carter, Auburn University, *Social Environmental Disparities and Childhood Obesity in Alabama's Black Belt Region.*

**1626. Feminists on the Frontlines: Forging the Future (Part 2) (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Sexuality and Space Specialty Group)**

*Room:* Grand Suite 3, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Lisa M. Freeman, Simon Fraser University; Caitlin Henry, University of Toronto

CHAIR(S): Alison Mountz, Wilfrid Laurier University

Discussant(s): Leslie Kern, Mount Allison University

Panelists: Jennifer Fluri, University of Colorado, Boulder; Rupal Oza, CUNY - Graduate Center; Beverley Mullings, Queen's University; Ranu Basu, York University; Tiffany K. Muller Myrdahl, Simon Fraser University

**1627. CyberGIS Symposium: Frontiers of Big Data and Urban Informatics (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Urban Geography Specialty Group)**

*Room:* Grand Suite 5, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Vonu Thakuriah, Urban Big Data Centre; Budhendra Bhaduri, Oak Ridge National Laboratory

CHAIR(S): Vonu Thakuriah, Urban Big Data Centre

Introducer: Harvey J. Miller

Discussant(s): Shaowen Wang, University of Illinois at Urbana-Champaign

Panelists: Budhendra Bhaduri, Oak Ridge National Laboratory

**1628. Authoritarian resource governance, emergent resistance, and unequal development II (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)**

*Room:* Plaza A, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Miles Kenney-Lazar

CHAIR(S): Miles Kenney-Lazar

Introducer: Miles Kenney-Lazar

**4:45** Dianne E. Rocheleau, Ph.D.\*, Clark University, *Networked and rooted power(s) of resistance, persistence and re-existence.*

**5:00** Adrienne Johnson\*, Clark University, *'Consulta previa' and palm oil governance: an ethnography of the Roundtable on Sustainable Palm Oil's public consultation in Ecuador.*

**5:15** Betsy A. Beymer-Farris\*, Department of Geography at the University of Kentucky; Department of International Environment and Development Studies at the Norwegian University of Life Sciences; Ian Bryceson, Department of International Environment and Development Studies at the Norwegian University of Life Sciences; Chris Maina Peter, School of Law, University of Dar es Salaam; the United Nations International Law Commission, *Resilience, Rights, and Resistance in Coastal Tanzania.*

**5:30** Tom Perreault\*, Syracuse University, *Governing from the ground up? Translocal networks and the ambiguous politics of environmental justice in Bolivia.*

Discussant(s): Matthew Himley, Illinois State University

**1629. Social Justice - injustices in natural hazards management (Sponsored by Hazards, Risks, and Disasters Specialty Group, Radical Intra-Disciplinarity Theme)**

*Room:* Plaza B, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Sven Fuchs, University of Natural Resources and Life Sciences; Thomas Thaler

CHAIR(S): Thomas Thaler

Introducer: Sven Fuchs

**4:50** Bruce Martin Hall, PhD Southern Illinois University\*, UWSP, *Lack of Demographic Diversity in Watershed Collaborations of the Midwest: A Threat to Legitimacy.*

**5:05** David Shively\*, Department of Geography, University of Montana; Anthony Thompson, Nohad A. Toulan School of Urban Studies and Planning, Portland State University, *Stakeholder Collaboration in The Columbia River Treaty Review Process.*

**5:20** Barbara Tempels\*, Ghent University (Belgium), Centre for Mobility and Spatial Planning; Kobe Boussauw, Ghent University (Belgium), Centre for Mobility and Spatial Planning, *Residents and flood risk management: two worlds apart?.*

Discussant(s): Thomas Thaler

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## 1630. Political Geography: Conflict and Peace 2

*Room:* Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)  
ORGANIZER(S): Program Committee

CHAIR(S): Silvano De La Llada, Cornell University

**4:40** Justin Ostrowski\*, University of Arizona, *Universalizing Identities: Militarization and the Politics of Grievability in Palestine.*

**5:00** Adolf K.Y. Ng\*, University of Manitoba; Ka-chai Tam, Hong Kong Baptist University, *Understanding the 2014 Hong Kong Protests from the Spatial Perspective.*

**5:20** Elvira Maria Restrepo\*, University of Miami; Nicolas Velasquez\*, University of Miami, *From Local to National: The Geographical and Political Rise of the Colombian Paramilitary.*

**5:40** Chien-Hung Tung, Assistant Professor\*, National Chung-Hsing University; Chin-shou Wang, Professor, Department of Political Science, National Cheng Kung University; Kang-ting Tsai, Associate Professor, Program of Landscape and Recreation, National Chung-Hsing University; Yew-Hu Liou, Association Professor, Department of Urban Planning and Spatial Information, Feng Chia University; Yi-Chuan Wang, Assistant Professor, Department of Transportation and Logistics, Toko University, *Occupy Movement and the Enlightenment of Urban Political Awareness - The Comparison of Taiwan Sunflower Movement, March 2014, with Hong Kong Umbrella Movement.*

**6:00** Silvano De La Llada, PhD\*, Cornell University, *Destituent power and spaces of insurgency.*

## 1631. American Electoral Geography (Sponsored by Political Geography Specialty Group)

*Room:* Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): John Heppen, University of Wisconsin, River Falls

CHAIR(S): John Heppen, University of Wisconsin, River Falls

**4:40** John Heppen\*, University of Wisconsin, River Falls, *Electoral Patterns and Place in the World Economy in US Presidential Elections.*

**5:00** Brooks Heitmeier\*, University of Oklahoma, *Examining a Potentially Emergent Partisan Competitiveness in Texas.*

**5:20** Ryan Douglas Weichert\*, University of Wisconsin-Eau Claire; Katie Weichert, University of Wisconsin - Eau Claire, *Women legislature candidates and electoral safety: The case of the Wisconsin State Legislature.*

**5:40** Robert Howard Watrel\*, South Dakota State University; J. Clark Archer, University of Nebraska-Lincoln; Fred M Shelley, University of Oklahoma, *Critical Realignments in Republican Presidential Elections: Trends across Time and Space from 1872 to 2012.*

**6:00** Matthew Balentine\*, University of North Carolina-Greensboro; Gerald R Webster, PhD, University of Wyoming, *Intraregional Electoral Patterns of Presidential Elections in the Western U.S.: 1952-2012.*

## 1632. Making Other Worlds Possible V: The Role of Disruptive Innovation and New Political Imaginaries (Sponsored by Cultural Geography Specialty Group, Economic Geography Specialty Group)

*Room:* Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Gemma Louise Bone, Newcastle University

CHAIR(S): Jane S. Pollard, Newcastle University

**4:40** Bianca Elzenbaumer\*, Leeds College of Art, *Precarity Pilot: exceeding precarising models of design practice.*

**4:55** Elyse Gordon\*, University of Washington, *Alternative Philanthropy and the Making of New Economic Subjects.*

**5:10** Gemma Louise Bone\*, Newcastle University, *How do we create a socially useful banking system? A case study of the Finance Innovation Lab..*

Introducer: Robert Snyder

**5:45** James Andrew Sevitt, PhD Student\*, The Graduate Center - CUNY, *Everyday experiences, "the good life", and rethinking "mobilization" in the aftermath of the 2008 global financial crisis.*

Discussant(s): Jane S. Pollard, Newcastle University

## 1633. Energy and Environment Specialty Group Annual Plenary Lecture: "Subterranean Territories of Oil Regionalism." Dr. Gabriela Valdivia (Sponsored by Energy and Environment Specialty Group)

*Room:* Gold Coast, Hyatt, West Tower, Bronze Level (Panel Session)

ORGANIZER(S): Elvin Delgado, Central Washington University

CHAIR(S): Elvin Delgado, Central Washington University

Introducer: Elvin Delgado

Panelists: Gabriela Valdivia, University of North Carolina - Chapel Hill

## 1635. Financing and Governing Infrastructure - Final Panel (Sponsored by Economic Geography Specialty Group)

*Room:* Picasso, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Peter O'Brien; Andy Pike, Newcastle

University; Phillip O'Neill, University of Western Sydney

CHAIR(S): Peter O'Brien

Introducer: Peter O'Brien

**4:50** Aaron Van Klyton, PhD\*, University of Greenwich; Lakmal Liyanage, MBA, University of Greenwich, *Chinese investment in Sierra Leone telecommunications industry: an affront to the West?.*

**5:01** Rajiv Sharma\*, Ashby Monk, Global Projects Center, Stanford University, *Re-intermediation of Institutional Investment: a 'collaborative' model for infrastructure investment.*

Discussant(s): Giles Mohan, The Open University; Stephanie Farmer, Roosevelt University; Wendy Lerner, University of Bristol; Phillip O'Neill, University of Western Sydney; Andy Pike, Newcastle University; Michael Pryke, open university

## 1636. CITY Debates: Is Radical Reinvestment Possible?

*Room:* Water Tower, Hyatt, West Tower, Bronze Level (Panel Session)

ORGANIZER(S): Alex Schafran

CHAIR(S): Alex Schafran

Panelists: Libby Porter, Kate Shaw, University of Melbourne; Michael Janoschka, Universidad Autónoma de Madrid; Alex Schafran

## 1637. Trees in the City 5: Social, Cultural, and Ecosystem Benefits (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

*Room:* Wrigley, Hyatt, West Tower, Bronze Level (Paper Session)

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

CHAIR(S): Tenley Conway, University of Toronto- Mississauga

**4:40** Joanna H Fisher, MA\*, American University, *Adding Nature to the Neighborhood: An Examination of the Socio-Cultural Benefits of Urban Forestry in Washington, DC.*

**5:00** Patrick T. Hurley\*, Ursinus College, Department of Environmental Studies; Marla R. Emery, Ph.D., U.S. Forest Service, Northern Research Station; Joana Chan, University of Nebraska, School of Natural Resources, *Locating Provisioning and Cultural Services in New York City's Urban Forest.*

**5:20** Won Hoi Hwang\*, Virginia Tech; P. Eric Wiseman, Virginia Tech; Valerie A. Thomas, Virginia Tech, *Shade tree placements for energy conservation in dense residential neighborhoods.*

**5:40** Gang Chen\*, University of North Carolina at Charlotte; Christopher Godwin, University of North Carolina

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at Charlotte; Kunwar K Singh, University of Saskatchewan, *How do urban residential patterns affect forest carbon density? An integration of high-resolution remote sensing and field mensuration.*

- 6:00** Meenakshi Rao\*, Portland State University; Linda A. George, Portland State University; Vivek Shandas, Portland State University; Todd N. Rosenstiel, Portland State University, *Assessing the relationship among urban trees, nitrogen dioxide, and respiratory health.*

**1638. Integrated Modeling and Geographic Analysis for River Basin Management**

- Room:* *Acapulco, Hyatt, West Tower, Gold Level (Paper Session)*  
 ORGANIZER(S): Xiangzheng Deng, Institute of Geographic Sciences and Natural Resources Research, CAS  
 CHAIR(S): Xiangzheng Deng, Institute of Geographic Sciences and Natural Resources Research, CAS  
**4:40** Na Li\*, University of Chinese Academy of Sciences; Minjun Shi, University of Chinese Academy of Sciences; Xiaojun Wang, University of Chinese Academy of Sciences; Hong Yang, Swiss Federal Institute for Aquatic Science and Technology, *Economic Impacts of Water Use Control Policy in the Heihe River Basin, Northwestern China - Based on Integrated CGE-BEM Modeling Approach.*  
**4:50** Bin Chen\*, Beijing Normal University, *Network Environment Analysis for the River Basin System.*  
**5:00** Yu Liu\*, Chinese Academy of Sciences; Jing Ma, China Institute of Water Resources and Hydropower Research, *Socioeconomic impact of hydropower development on Yibin-Chongqing section in the upper reach of Yangtze River.*  
**5:10** Xiangzheng Deng\*, Institute of Geographic Sciences and Natural Resources Research, CAS; Chenchen Shi, State Key Laboratory of Water Environment Simulation, School of Environment, Beijing Normal University; Haiming Yan, State Key Laboratory of Water Environment Simulation, School of Environment, Beijing Normal University, *Water demand and allocation analyses based on data compiling and mode coupling in the Heihe River Basin.*  
**5:20** Jin Gui\*, *Study on Water Ecological Function Zoning in Heihe River Basin.*  
**5:30** Qunou Jiang\*, School of Soil and Water Conservation, Beijing Forestry University; Enjun Ma, School of Mathematics and Physics, China University of Geosciences (Wuhan), *Variation in energy balance caused by land cover change in the semi-arid grassland area of China.*  
**5:40** Xiangzheng Deng, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Qian Zhang\*, Institute of Geographic Sciences and Natural Resources Research; Feng Wu, State Key Laboratory of Water Environment Simulation, School of Environment, Beijing Normal University; Zhihui Li, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Zhongxiao Sun, School of Environment, Beijing Normal University, *A Prototype Decision Support System for Integrated Water Resource Management in the Heihe River Basin, Northwest China.*  
**5:50** Zhihui Li\*, Institute of Geographic Sciences and Natural Resources Research, CAS; Feng Wu, School of Environment, Beijing Normal University; Fang Zhang, School of Mathematics and Physics, China University of Geosciences, *The governance of land use for an improved water use efficiency in Changye City.*  
**6:00** Weihong Li\*, Chinese Academy of Sciences, *The water system safety and sustainable utilization in Bosten Lake Basin, China.*  
**6:10** R. B. Singh\*, Department of Geography, University of

Delhi; Swarnima Singh, Department of Geography, University of Delhi, *Climate dynamics and livelihood vulnerability assessment: Indian experience.*

**1639. PREM - Base, Bunkers and Ports II: Airpower (Sponsored by Socialist and Critical Geography Specialty Group)**

- Room:* *Atlanta, Hyatt, West Tower, Gold Level (Paper Session)*  
 ORGANIZER(S): Lindsey Dillon, UC Berkeley; Javier Arbona, UC Davis  
 CHAIR(S): Lindsey Dillon, UC Berkeley  
**4:40** Jeremy Crampton\*, University of Kentucky; Susan M. Roberts\*, University of Kentucky, *Drone Economies: The Emergence of Drones from the Military.*  
**5:00** Caren Kaplan\*, UC Davis, *Air Power at Home: Continuities of Aerial Policing.*  
**5:20** Hillary Mushkin\*, California Institute of Technology, *Lines of Sight.*  
**5:40** Katherine Chandler\*, Georgetown University, *Unmanning Reconnaissance: Aerial Images, Global Surveillance and National Protection in the United States, 1945-1962.*  
 Discussant(s): Jake Kosek  
**1640. GSAG Plenary with Audrey Kobayashi (Sponsored by AAG Jobs and Careers Theme, Graduate Student Affinity Group)**  
*Room:* *Hong Kong, Hyatt, West Tower, Gold Level (Panel Session)*  
 ORGANIZER(S): Brian Williams, The University of Georgia  
 CHAIR(S): Brian Williams, The University of Georgia  
 Discussant(s): Audrey L. Kobayashi, Queen's University

**1641. Carceral Geographies V: (Re)defining Boundaries.**

- Room:* *New Orleans, Hyatt, West Tower, Gold Level (Paper Session)*  
 ORGANIZER(S): Jennifer Turner, University of Leicester; Dominique Moran, University of Birmingham  
 CHAIR(S): Dominique Moran, University of Birmingham  
**4:40** Geraldine Brown, Coventry University; Elizabeth Bos\*, Coventry University, *We were there too: Reflexive experiences of evaluating a prison gardening intervention.*  
**5:00** Dana Cuomo\*, Pennsylvania State University, *Incarceration and domestic violence: Perspectives from victims on the outside.*  
**5:20** Tony Sparks\*, San Francisco State University, *The Asylum is on These Streets: Managing Mental Illness in the Carceral Community.*  
**5:40** Avril Maddrell\*, University of the West of England, Bristol, UK, *The charity shop, permeable carceral spaces, gendered power relations, reparation and rehabilitation.*  
 Discussant(s): Jennifer Turner, University of Leicester

**1642. The Geography of Drugs**

- Room:* *Regency A, Hyatt, West Tower, Gold Level (Paper Session)*  
 ORGANIZER(S): Aaron H. Gilbreath, College of Staten Island: City University of New York; Monica C. Medel, Texas State University - San Marcos  
 CHAIR(S): Aaron H. Gilbreath, College of Staten Island: City University of New York  
**4:40** Zoe Pearson\*, Ohio State University, *'Coca yes, cocaine no: 'Drug control and health approaches.*  
**5:00** Aaron H. Gilbreath\*, College of Staten Island: City University of New York, *From Superlabs to Soda Bottles: An Analysis of North America's Dual Methamphetamine Production Networks.*  
**5:20** Monica C. Medel\*, Texas State University - San Marcos, *The Spatio-temporal Geography of Drug Smuggling in Mexico.*  
**5:40** Robert Chlala\*, University of Southern California, *Making Cannabis Work: New Spaces of Labor in Global Los Angeles.*

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## 1643. Stories of Cosmopolitan Belonging, Emotion and Location 3: Home

- Room:* Regency B, Hyatt, West Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Hannah Jones, University of Warwick; Emma Jackson, Goldsmiths  
 CHAIR(S): Hannah Jones, University of Warwick  
**4:40** Tanaya Dutta Gupta\*, University of Delhi, *Topophilia and Loss of Place: A case study of the displaced Kashmiri Pandits*.  
**5:00** Duncan McDuie-Ra\*, UNSW Australia, *From Cosmopolitanism to Racial Crisis: borderland migrants in India*.  
**5:20** Zeynep Turan Hoffman\*, Istanbul Bilgi University, *Re-imagining "home": Place attachment and diaspora tourism*.  
**5:40** Michaela Benson\*, Goldsmiths, *Building a house, making a home: nostalgia and anticipation in selfbuilding*.  
 Discussant(s): Emma Jackson, Goldsmiths

## 1644. Subconference 3

- Room:* Regency C, Hyatt, West Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Elsa Noterman, University of Wisconsin - Madison  
 CHAIR(S): Sutapa Chattopadhyay, UNU-Merit & Maastricht University  
 Introducer: Elizabeth Sibilia  
 Panelists: Kyle Loewen, University of British Columbia; Kimberley Thomas, Rutgers University; Marijn Nieuwenhuis, University of Warwick, PAIS/ SOAS

## 1645. Thinking Cities from?.(IV) distinctive theorisations? (Sponsored by China Specialty Group, Urban Geography Specialty Group, Africa Specialty Group)

- Room:* Regency D, Hyatt, West Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Fulong Wu, University College London; Jennifer Robinson, University College London; Garth Andrew Myers, Trinity College  
 CHAIR(S): Jennifer Robinson, University College London  
**4:40** Shenjing He\*, The University of Hong Kong, *Creativity syndrome and the political economy of creativity in Chinese metropolises*.  
**5:00** Jenny F. Mbaye\*, African Centre for Cities, University of Cape Town, *Creative Cities for the Global South: Insights from African viewpoints*.  
**5:20** Garth Andrew Myers\*, Trinity College, *Thinking Urban Political Ecology from Sub-Saharan Africa*.  
**5:40** Ryan Centner\*, London School of Economics, *The déjà vu of Buenos Aires blues: Crises and faded grandeur as commonplaces for comparative urbanism*.  
 Discussant(s): David Wilson, University of Illinois

## 1646. Governing Regional Sustainability Transitions: Geographical Perspectives

- Room:* San Francisco, Hyatt, West Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Rob Krueger, Worcester Polytechnic Institute; Gerd Lintz, Leibniz Institute of Ecological Urban and Regional Development  
 CHAIR(S): Bernhard Mueller, Leibniz Institute of Ecological Urban and Regional Development  
 Panelists: Rob Krueger, Worcester Polytechnic Institute; Christian Schulz, University of Luxembourg; Manfred Walser, IMP-HSG; Tassilo Herrschel, University of Westminster; Gerd Lintz, Leibniz Institute of Ecological Urban and Regional Development; Alain Thierstein, Munich University of Technology

## 1647. Agricultural-Rural Production Systems and Livelihoods (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Geographies of Food and Agriculture Specialty Group)

- Room:* Toronto, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Burak Guneralp, Texas A&M University; Jacqueline Vadjunec, Oklahoma State University; Richard J. Aspinall

CHAIR(S): John Connors

- 4:40** Paul McCord\*, Indiana University; Jampel Dell'Angelo, PhD, SESYNC; Drew Gower, Princeton University; Tom Evans, PhD, Indiana University, *Water Governance, Infrastructure, and Agricultural Production in Semi-Arid Regions of Kenya*.  
**5:00** Andres Guhl\*, Universidad De Los Andes, *Towards a new Colombian coffee industry: Land change since 2000*.  
**5:20** Margaret B Holland, Dr., University of Maryland Baltimore County; Pablo Imbach, Dr., CATIE, Turrialba, Costa Rica; Sierra Shamer, M.S.\*, Geography & Environmental Systems, UMBC, Baltimore, MD, United States; Juan Carlos Zamora, M.S., CATIE, Turrialba, Costa Rica; Claudia Medellin, M.S., CATIE, Turrialba, Costa Rica; Efrain Leguia, M.S., CATIE, Turrialba, Costa Rica; Camila Donatti, Dr., Conservation International, Arlington, VA, United States; Ruth Martinez, Dr., Conservation International, Arlington, VA, United States; Milagro Saborio-Rodriguez, Dr., CATIE, Turrialba, Costa Rica, *Mapping Agriculture and Adaptive Capacity: Exploring Participatory Expert Methods amid Comparative Data Gaps*.  
**5:40** Godfred Seidu Jasaw\*, United Nations University, Institute for the Advanced Study of Sustainability (UNU-IAS), 53-70 Jingumae, 5-Chome, Shibuya-ku, Tokyo, Japan; Osamu Saito, United Nations University, Institute for the Advanced Study of Sustainability (UNU-IAS), 53-70 Jingumae, 5-Chome, Shibuya-ku, Tokyo, Japan; Kazuhiko Takeuchi, Senior Vice-Rector, United Nations University & Executive Director, Integrated Research System for Sustainability Science (IR3S), The University of Tokyo, 7-3-1, Hongo, Bunkyo, 113-8654, Japan, *Rethinking a Sustainable Input Resource-use Efficiency Paradigm for Shea (Vitellaria paradoxa) Butter Processing in Northern Ghana*.  
**6:00** John Patrick Connors\*, Arizona State University, *Co-producing diversity: Land use and livelihoods in Tanzania's Kilombero Valley*.

## 1648. Severe Weather, Central US, Climate Change, is there a Connection?

- Room:* Crystal A, Hyatt, West Tower, Green Level (Paper Session)  
 ORGANIZER(S): Program Committee  
 CHAIR(S): John A. Harrington, Kansas State University  
**4:40** Mukesh Dev Bhattarai\*, Southern Illinois University, *Analyzing the Mitigation Potential of Climate Change through Soil Organic Carbon Sequestration in a Corn Belt Watershed*.  
**5:00** Joshua John Hatzis\*, University of Oklahoma, *Detecting a Climate Change Signal in the US Tornado Record*.  
**5:20** Paul Zunkel\*, Texas State University; Richard Dixon, Dr., Texas State University; Forrest Wilkerson, Dr., Minnesota State University, Mankato, *Confidence Level on Severe Weather Documenter Characteristics*.  
**5:40** James B. Elsner\*, Department of Geography, Florida State University; Thomas H. Jagger, Department of Geography, Florida State University; Holly M. Widen, Department of Geography, Florida State University, *A New Spin on Illinois's Tornado Climatology*.  
**6:00** John Harrington Jr.\*, Kansas State University; Ian Howard, Kansas State University, *Seasonality and Climate Change in Kansas*.

## 1649. Shared Security Futures?

- Room:* Crystal B, Hyatt, West Tower, Green Level (Panel Session)  
 ORGANIZER(S): Catherine Cottrell, Aberystwyth University; Kathrin Hörschelmann, Leibniz-Institute for Regional Geography; Matthew Benwell, Newcastle University

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CHAIR(S): Catherine Cottrell, Aberystwyth University  
 Panelists: Merje Kuus, University of British Columbia; Patricia Ehrkamp, University of Kentucky; Noam Leshem, Department of Geography, Durham University; Jennifer Hyndman, York University; Alan Ingram, University College London

**1650. Resourcing Scholar Activism: reflections, challenges and 'post-reflexivity'**

*Room:* Crystal C, Hyatt, West Tower, Green Level (Panel Session)  
 ORGANIZER(S): Kate Derickson, University of Minnesota; Paul Routledge, University of Leeds

CHAIR(S): Kate Derickson, University of Minnesota  
 Introducer: Geraldine J. Pratt  
 Panelists: Richa Nagar, University of Minnesota - Minneapolis; Amy Trauger, University of Georgia; Sara Koopman, Balsillie School, Wilfrid Laurier University; Paul Routledge, University of Leeds; Queen Quet Marquette Goodwin, Gullah/Geechee Nation; Gullah/Geechee Sea Island Coalition

**1651. Geospatial Analysis of Disasters and Hazards (Sponsored by Geographic Information Science and Systems Specialty Group, Applied Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Stetson A, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Changjoo Kim, University of Cincinnati

CHAIR(S): Changjoo Kim, University of Cincinnati  
**4:40** James L. Wilson\*, Northern Illinois University, *Estimating Medically Fragile Population Exposures to Tropical Storm Surges.*

**5:00** Helenmary M Hotz\*, University of Massachusetts Boston, School for the Environment; Alan D Christian, PhD, University of Massachusetts, Biology Department, *Using GIS and Remote Sensing to Analyze Lake Level Rise of Étang Saumâtre, Haiti.*

**5:20** FNU Varun Ramachandran\*, Missouri University of Science and Technology; Suzanna Long, Missouri University of Science and Technology; Tom Shoberg, PhD, United States Geological Survey; Steven M Corns, PhD, Missouri University of Science and Technology; Hector J Carlo, PhD, University of Puerto Rico Mayaguez, *Identifying Interdependency in Critical Infrastructure Systems in Order to Model Restoration Strategies in the Aftermath of a Large-Scale Disaster.*

**5:40** Joseph B. Harris\*, Louisiana State University; Chris Gregg, East Tennessee State University; T. Andrew Joyner, East Tennessee State University; Ingrid Luffman, East Tennessee State University, *Preparing a Small Town for a Hazardous Materials Incident: An Examination of Evacuation Routing Algorithms and Plume Models.*

**6:00** Qian Ye\*, University of Tennessee; Hyun Kim, University of Tennessee, *Reducing hazards vulnerability of transportation network: A case study with the Amtrak rail system.*

**1652. Teaching without Tears - How to Teach Environmental and Sustainability Challenges and Leave Students Hopeful (Sponsored by Human Dimensions of Global Change Specialty Group, Geography Education Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)**

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Panel Session)

ORGANIZER(S): Alice E. Mulder, Weber State University

CHAIR(S): Alice E. Mulder, Weber State University

Panelists: David J. Rutherford, University of Mississippi; Diane O'Connell, Schoolcraft College; Duane Griffin, Bucknell University; Noëlle Boucquey, Stanford University

**1653. Energy Mapping and Modeling III (Sponsored by Cartography Specialty Group, Energy and Environment Specialty Group)**

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Olufemi Omitaomu, Oak Ridge National Laboratory; Kirby Calvert

CHAIR(S): Alexandre Sorokine, Oak Ridge National Laboratory

**4:40** Maya Hutchins\*, Arizona State University; Jeffrey Colby, Appalachian State University; Eric Marland, Appalachian State University; Gregg Marland, Appalachian State University, *A Comparison of Five High-resolution Spatially-explicit Fossil Fuel Carbon Dioxide Emissions Inventories.*

**5:00** Tony Harris\*, Indiana University of Pennsylvania, *Landscape Ecology and Energy Development: The Case of Beaver Run Reservoir, Westmoreland Co., Pennsylvania.*

**5:20** Nathaniel Keohan Lapides, B.A. Environmental Science expected 2015\*, Clark University; Andrey Petrov, Ph.D., University of Northern Iowa, *Using hyperspectral imaging to study the effects of wind turbines on crops in Iowa, USA.*

**5:40** Erik Schmidt\*, Oak Ridge National Laboratory; Budhendra Bhaduri, PhD, Oak Ridge National Laboratory; Nicholas Nagle, PhD, Oak Ridge National Laboratory, *Classifying Nominal Voltage of Electric Power Transmission Lines Using Remotely-Sensed Data.*

**6:00** Alexandre Sorokine\*, Oak Ridge National Laboratory; Steve Fernandez, Oak Ridge National Laboratory, *Dynamic Maps at 60Hz: Real-time Visualization of the US Electric Grid.*

**1654. Annual Geography of Religions And Belief Systems Lecture 2015: The post-secular problematic (Sponsored by Geography of Religions and Belief Systems Specialty Group)**

*Room:* Stetson E, Hyatt, West Tower, Purple Level (Panel Session)

ORGANIZER(S): Justin Tse, University of Washington

CHAIR(S): Justin Tse, University of Washington

Panelists: Banu Gokariksel, University of North Carolina, Chapel Hill; Anna J Secor, University of Kentucky

**1655. Legal Geographies 3: Law, Colonialism and Capitalism: Property, Title, Land (Sponsored by Socialist and Critical Geography Specialty Group, Indigenous Peoples Specialty Group)**

*Room:* Stetson F, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Reecia Orzeck, Illinois State University; Tyler McCreary, York University; Joshua Barkan, University of Georgia

CHAIR(S): Emilie Cameron, Carleton University

**4:40** Henry Jones, Dr\*, University of Durham, *Separated at Birth: Exploring the Creation of Property and Territory.*

**5:00** Sonia Qadir\*, *Planting Gardens, Claiming Futures: Colonial Genealogies In Derah Saigol's Narratives of Resistance.*

**5:20** Mark Toufayan\*, University of Ottawa, *Between Intimacy and Alienation: Armenian Property, Denationalization and the Passions of 'Protection' in French Mandated Cilicia, 1918-1923.*

**5:40** Tyler McCreary\*, University of British Columbia, *Aboriginal Title Claims and the Colonial Sovereign Will to Development in Canada.*

**1656. Path to Better Research and Employment: Keywords and Collaboration**

*Room:* Stetson G, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): William Graves, UNC-Charlotte

**4:40** Nuri Yavan\*, Ankara University Department of Geography; Hatice Turut, Ankara University, Department of Geography, *Assessing the International Publication*

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## Performance of Turkish Geographers.

- 5:00** William Graves\*, UNC-Charlotte; Stacie Chabot, UNC Charlotte, *The Necessity of Bilingual Geographers: Dialect-Based Obstacles to Professional Geographers Finding Employment in the Business Community.*
- 5:20** Rodney Jackson, GISP\*, Davidson County Community College, *Applying the Geospatial Technology Competency Model.*

## 1657. Geographies of Media V: Media & the Environment (Sponsored by Communication Geography Specialty Group)

- Room:** Addams, Hyatt, West Tower, Silver Level (Paper Session)
- ORGANIZER(S): John Finn, Christopher Newport University; Laura Sharp, University of Arizona; Joseph Palis, North Carolina State University
- CHAIR(S): Citty Williams
- 4:40** Gesa Lueddecke\*, University of Colorado, *Media as driver for sustainable behavior? The impact of climate change coverage on TV on individual action taking in climate-related issues.*
- 5:00** George Revill\*, The Open University, *Digital histories of environmental change: collaborative pathfinding in the BBC archive.*
- 5:20** Citty Williams\*, Oxford Internet Institute, University of Oxford, UK, *Tracing the Socio-Technical Histories of Northern Australian Aboriginal Relationships to Environmental Knowledge..*

## 1658. Sense of Place and Place Geographies V: Place Geography in the American West (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group)

- Room:** Burnham, Hyatt, West Tower, Silver Level (Paper Session)
- ORGANIZER(S): Rex Rowley, Illinois State University; Stephanie Willis, University of Kansas
- CHAIR(S): Rex Rowley, Illinois State University
- 4:40** Mark A. Hummer\*, University of Kansas, *Sense of Place, Cultural Images, and History in Salt Lake City, Utah.*
- 5:00** Jennifer Leigh McHenry\*, UC Davis Geography Graduate Group, *Out Front in Suburbia: Facilitation of Interaction and Sense of Place in Front Yard and Garage Spaces in Sacramento.*
- 5:20** Ann M. Fletchall\*, Mississippi University for Women, *"Crafting" a "Montana" Sense of Place through Microbreweries and Beer Tourism.*
- 5:40** Benjamin Christian\*, University of Alaska Fairbanks, *Life on the Viral Frontier: Experience and Representation in Manley Hot Springs, Alaska..*
- Discussant(s): William Wyckoff, Montana State University

## 1659. HRDSG Session: Hazard Analysis and Response (Sponsored by Hazards, Risks, and Disasters Specialty Group)

- Room:** Dusable, Hyatt, West Tower, Silver Level (Paper Session)
- ORGANIZER(S): Laura Kathryn Siebeneck, University of North Texas; Tim G. Frazier, University of Idaho
- CHAIR(S): Dona Stewart
- 4:40** Shelby Rushing\*, Penn State, *Optimizing Routing of Hazardous Materials in North Carolina.*
- 5:00** Huili Hao\*, East Carolina University; Patrick Long, East Carolina University, *Factors Influencing Different Types of Second Home Property Owners' Perceptions of Climate and Weather Effects on Property Ownership and values.*
- 5:20** Dona J Stewart\*, University of South Florida, St. Petersburg, *Ankle deep: the impact of politicization on the State of Florida's (USA) response to climate change.*

## 1660. Estimating Building Level Population Density (Sponsored by Hazards, Risks, and Disasters Specialty Group, Population Specialty Group, Cultural Geography Specialty Group)

- Room:** Field, Hyatt, West Tower, Silver Level (Paper Session)
- ORGANIZER(S): Marie Urban, Oak Ridge National Laboratory;

- Robert N. Stewart, Oak Ridge National Laboratory
- CHAIR(S): Kishor Jaiswal, US Geological Survey
- 4:40** Marie Urban\*, Oak Ridge National Laboratory; Robert N. Stewart, Oak Ridge National Laboratory; Aaron Myers, Oak Ridge National Laboratory; Eric Axley, Cadre5; Eddie Bright, Oak Ridge National Laboratory, *Open Source Occupancy Modeling and Services.*

- 5:00** Jason Kaufman\*, Oak Ridge National Laboratory, *Methods of Open Source Data Collection for Population Density Modeling.*

- 5:20** April Morton\*, Oak Ridge National Laboratory; Robert Stewart, Ph.D, Oak Ridge National Laboratory; Samantha Duchscherer, Oak Ridge National Laboratory; Marie Urban, Oak Ridge National Laboratory, *A Bayesian Model for Estimating Building Occupancy: Integrating Data, Knowledge, and Uncertainty in an Open Source Environment.*

- 5:40** Samantha Eleanor Duchscherer\*, Oak Ridge National Laboratory, *Reverse Engineering Census Summary Data For Population Density Estimation.*

- 6:00** Jessica J. Moehl\*, Oak Ridge National Laboratory; Robert N Stewart, Dr., Oak Ridge National Laboratory, *Comparing Demographic Household Modelling Techniques.*

## 1661. Race, Class, Policing, and Community in Chicago, Toronto, and Beyond (Sponsored by Chicago and the Great Lakes Region Theme)

- Room:** Horner, Hyatt, West Tower, Silver Level (Paper Session)
- ORGANIZER(S): Program Committee
- CHAIR(S): Yunliang Meng
- 4:40** Daniel Cooper, Ph.D.\*, Adler School, *Protecting the Investment: Neighborhood Investment and Police Enforcement in Chicago.*
- 5:00** Jose M. Cajigas\*, University of Akron, *Made in Humboldt Park: The Epicenter of Puerto Rican Politics in the United States.*
- 5:20** Megan Hornyak\*, Kent State University, *The Un-Equal America: How Education Inequalities are Sustained in Urban Communities.*
- 5:40** Nemoy K. Lewis\*, Queen's University, *A Dream Denied: The Fight Against the Mass Eviction of Families.*
- 6:00** Yunliang Meng\*, Central Connecticut State University, *Racially Biased Policing and Neighbourhood Characteristics: A Case Study in Toronto, Canada.*

## 1663. Geographies of Travel Writing (Sponsored by Recreation, Tourism, and Sport Specialty Group, GeoHumanities Theme, Cultural Geography Specialty Group, Communication Geography Specialty Group)

- Room:** Ogden, Hyatt, West Tower, Silver Level (Paper Session)
- ORGANIZER(S): Amy McCullough, University of Texas - Austin; Paul C. Adams, University of Texas at Austin
- CHAIR(S): Paul C. Adams, University of Texas at Austin
- 4:40** Will B Mackintosh\*, University of Mary Washington, *The Commercialization of Guidebooks and the Commodification of Travel in the United States, 1820-1860.*
- 5:00** Stacey Wicker\*, Indiana University of Pennsylvania, *Abbey's Road: a trek through the geographic imagination of Edward Abbey.*
- 5:20** Amy McCullough\*, University of Texas - Austin, *Sensory Exploration: Modes of Travel and Sensory Experience in Travel Narratives.*
- 5:40** Chaozhi Zhang\*, Sun Yat-sen University, School of Tourism Management; Xin Zhang, School of Tourism Management, Sun Yat-sen University, *The Experience of Cycling Tourist in Tibet: Perspective of Mobility.*
- Discussant(s): Paul C. Adams, University of Texas at Austin

## 1664. Mobility and Morality 2 (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)



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- Room:** *Wright, Hyatt, West Tower, Silver Level* (Paper Session)  
**ORGANIZER(S):** Pablo Bose, University of Vermont; Denver V. Nixon, University of British Columbia; Justin Spinney, University of Surrey  
**CHAIR(S):** Pablo Bose, University of Vermont  
**4:40** Kim Kullman\*, Goldsmiths, University of London, *Good City Forms: Prototyping "Fitting Devices" in Urban Spaces*.  
**5:00** Do Lee\*, The Graduate Center, CUNY, *The Visibly Invisible Cyclists*.  
**5:20** Miriam Ricci, Dr\*, Centre for Transport & Society, UWE Bristol, UK, *Sustainable mobility and morality: insights from a study of disadvantaged social groups in an isolated urban periphery of the UK*.  
**5:40** Pablo S Bose\*, University of Vermont; Denver V. Nixon\*, University of British Columbia, *Intermodal Moralities and Urban Mobilities in Vancouver, Canada*.  
**Discussant(s):** Denver V. Nixon, University of British Columbia

**1665. Developments in World City Network Analyses (3) (Sponsored by Urban Geography Specialty Group)**

- Room:** *Michigan A, Hyatt, East Tower, Ped Path* (Paper Session)  
**ORGANIZER(S):** Ben Derudder, Ghent University; Peter J. Taylor, Northumbria University; Zachary Neal, Michigan State University  
**CHAIR(S):** Zachary Neal, Michigan State University  
**4:40** Zachary Neal\*, Michigan State University, *Comparing real and possible interlocking world city networks*.  
**5:00** Miaoxi Zhao, PhD\*, South China University of Technology; Pingcheng Zhang, postgraduate, South China University of Technology; Peixi Zhong, undergraduate, South China University of Technology, *An alternative method of bipartite network projection for the cities' connection of advanced productive service in China*.  
**5:20** Xiaomeng Li\*, Michigan State University; Zachary Neal, Michigan State University, *Agent-based Simulation of the formation dynamics of World City network*.  
**5:40** Thomas Sigler\*, University of Queensland; Kirsten Martinus, University of Western Australia, *Command, control, or coordinate? Identifying regionally scaled networks using firm-level data*.  
**Discussant(s):** Ben Derudder, Ghent University

**1666. Micropolitics of environmental governance, institutional arrangements and grassroots development 3 (Sponsored by Development Geographies Specialty Group)**

- Room:** *Michigan B, Hyatt, East Tower, Ped Path* (Paper Session)  
**ORGANIZER(S):** Mireya Bravo Frey, Clark University  
**CHAIR(S):** Mireya Bravo Frey, Clark University  
**4:40** Martina Angela Caretta\*, Stockholm University, *Ownership does not equate with decision making. A case study of women's participation in water users' groups in the Venezuelan paramo..*  
**5:00** Alex Andre Moulton\*, East Carolina University, *"It's just all about writing a big proposal": The role of group dynamics and composition in accessing greenhouse farming technology projects in Jamaica*.  
**5:20** Tatiana Acevedo\*, Université de Montréal, *Water, arroyos and blackouts: Exploring political ecologies of water in Barranquilla*.  
**5:40** Matt McCourt\*, University of Maine at Farmington, *Micropolitics of Taking Care: Negotiating Expert and Local Knowledge in Sustainability Practices*.  
**Discussant(s):** Adam French, University of California, Berkeley

**1667. Decision-Making, Competition, and Spatiality in the Politics of Large-Scale Infrastructure (Sponsored by Political Geography Specialty Group, Transportation Geography Specialty Group)**

- Room:** *Michigan C, Hyatt, East Tower, Ped Path* (Paper Session)  
**ORGANIZER(S):** Julie Cidell, University of Illinois  
**CHAIR(S):** Devon Lechtenberg, University of Illinois

- 4:40** Phillip Gordon Mackintosh, PhD\*, Brock University, *Toronto's Messy Democracy of Pavements, 1880s-1900s*.  
**5:00** Devon Lechtenberg, PhD\*, *Engaging the Administrative Spaces of Urban Transportation Planning*.  
**5:20** Eda Beyazit, Dr\*, Istanbul Technical University, *Transport Investment Processes as Political Platforms: The Case of the Istanbul (Golden Horn) Metro Bridge Crossing*.  
**5:40** Mathieu Strale\*, Université Libre de Bruxelles, Belgium, *Logistics policies in Europe: the race for first place and its consequences*.

**1668. Spatial Historical Narratives (Sponsored by GeoHumanities Theme, Historical Geography Specialty Group)**

- Room:** *Roosevelt, Hyatt, East Tower, Ped Path* (Paper Session)  
**ORGANIZER(S):** Anne Kelly Knowles, Middlebury College  
**CHAIR(S):** Chris Perkins, University of Manchester  
**4:40** Stephen J. Hornsby\*, University of Maine, *Mapping Stories in the Historical Atlas of Maine*.  
**5:00** Jeremy Mikecz, Ph.D. Candidate\*, University of California - Davis, *Towards a Spatial History of Conquest: Reconstructing Spatial Narratives of the Conquest of Peru*.  
**5:20** Anne Kelly Knowles\*, Middlebury College; Laura Strom, BA, Middlebury College; Levi Westerveld, undergraduate student, Middlebury College, *Space and Time in Holocaust Narratives*.  
**Discussant(s):** Chris Perkins, University of Manchester

**1669. Linking Land-Cover Change and Management Regimes (Sponsored by Remote Sensing Specialty Group)**

- Room:** *Randolph, Hyatt, East Tower, Ped Path* (Paper Session)  
**ORGANIZER(S):** Rebecca L. Powell, University of Denver  
**CHAIR(S):** Kelly Nickodem, Syracuse University  
**4:40** Emily Burchfield\*, Vanderbilt, *Institutions and Imagery: Mapping Water Management Regimes in Rural Sri Lanka*.  
**5:00** Pablo T.H. De Roulet\*, University of Geneva, *The spatial footprint of aid workers in urban context: a case study of GIS analysis for the city of Bamako*.  
**5:20** Vincent Oladokoun Agnla Orekan\*, University of Abomey-Calavi, *Remote sensing and GIS in rural planning diagnosis of the borderer districts in Benin: the case of Ketou*.  
**5:40** Jongseo Yim, Department of Geography, Seoul National University; Jinsu Bae\*, Department of Geography, Seoul National University, *Detecting Trekking Trails by Seasonal KOMPSAT Imagery, Bukhansan(Mt.) National Park, Korea*.  
**6:00** Kelly Nickodem\*, Syracuse University, *Assessing the Relationship between Landscape Cover Change and Conservation Plans since 1991 in Tompkins County, New York*.

**1673. Dendrochronology V: Dendrochronological Applications II (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**

- Room:** *Lucerne I, Swissôtel, Lucerne Level* (Paper Session)  
**ORGANIZER(S):** Christopher M. Gentry, Austin Peay State University; Maegen Rochner, University of Tennessee Knoxville; Grant Harley, University of Southern Mississippi  
**CHAIR(S):** Grant Harley, University of Southern Mississippi  
**4:40** Margaret B Bialecki\*, The Morton Arboretum; Robert T Fahey, Ph.D., The Morton Arboretum; Bryant C Scharenbroch, Ph.D., The Morton Arboretum, University of Wisconsin-Stevens Point, *Applications of dendrochronology in the urban landscape: assessing variations in tree growth and drought response across the Chicago urban forest*.  
**5:00** Jamie Jefferson, BA\*, University of Wisconsin - Platteville; Evan R Larson, PhD, University of Wisconsin-



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Platteville, *The Story of Land and People through the Lens of Tree Rings*:

*Dendroarchaeology of the Gratiot House, Southwest Wisconsin.*

- 5:20** Lane B Johnson\*, University of Wisconsin - Platteville; Lee R Johnson, Superior National Forest, USDA Forest Service; Kurt Kipfmüller, University of Minnesota - Twin Cities; Evan Larson, University of Wisconsin - Platteville, *Bark-Peeled Pine, Fire and The Fur Trade: New Tree-Ring Records from Lake Saganaga in Minnesota's Boundary Waters Wilderness.*

- 5:40** Grant Harley, PhD\*, University of Southern Mississippi; James King, PhD, Indiana University; Justin Maxwell, PhD, Indiana University, *Trans-Atlantic connections between African dust flux and tree growth.*

Discussant(s): Bethany Coulthard, University of Victoria Tree Ring Laboratory

**1674. Spatiotemporal Symposium: Data Analysis and Modeling (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Min Sun, George Mason University; Jizhe Xia  
CHAIR(S): David Wong, University of Hong Kong

- 4:40** Bo Huang\*, Department of Geography and Resource Management, The Chinese University of Hong Kong, *Spatiotemporal Data Regression: Accounting for both Autocorrelation and Non-stationarity.*

- 5:00** Jesse Piburn\*, Oak Ridge National Laboratory; Robert Stewart, Oak Ridge National Laboratory, *Using Dynamic Time Warping for finding and assessing spatio-temporal trends in large global datasets: applications and findings from the World-STAMP project.*

- 5:20** Shuzhan Fan\*, Louisiana State University, *The Spatial-Temporal Prediction of Various Crime Types in Houston, TX Based on Hot-Spot Techniques.*

- 5:40** Jizhe Xia\*, GMU, *Forming a spatiotemporal performance model for geospatial services.*

- 6:00** Miaomiao Song\*, Arizona State University; Wenwen Li, Arizona State University, *Spatiotemporal data representation and its effect on the performance of spatial analysis in a cyberinfrastructure environment - A case study with raster zonal analysis.*

**1675. Unmanned Aircraft System (UAS) Applications to Land and Natural Resource Monitoring (Sponsored by Remote Sensing Specialty Group)**

Room: Lucerne 3, Swissôtel, Lucerne Level (Interactive Short Paper Session)

ORGANIZER(S): Benjamin Heumann, Central Michigan University; Yuki Hamada, Argonne National Laboratory

CHAIR(S): Benjamin Heumann, Central Michigan University

- 4:40** Robert Johnson, Argonne National Laboratory; Karen Smith, Argonne National Laboratory; Yuki Hamada, Argonne National Laboratory; Benjamin W. Heumann\*, Central Michigan University, *UAS Applications to Land and Natural Resource Monitoring.*

- 4:45** Brian Stark\*, Benjamin Heumann, Dr., Professor; Claudia L Jolls, Dr., *Identification of P. Thistle on the Dunes of Wilderness State Park Using an Un-manned Aerial System.*

- 4:50** Oliver Wigmore\*, The Ohio State University; Bryan G Mark, PhD, The Ohio State University; Ryan Crumley, The Ohio State University, *High Resolution Autonomous Mapping of Tropical Glacier-hydrologic Change: Development and Deployment of a Multispectral UAV at 5000m in the Cordillera Blanca, Peru..*

- 4:55** John Gross\*, Central Michigan University, *Geometric Correction of Imagery Acquired With an Unmanned Aerial System: a Comparison of Two Software's.*

- 5:00** Christopher D. Lippitt\*, University of New Mexico, *The Impact of Small Unmanned Systems on Remote Sensing - a Conceptual Perspective..*

- 5:05** Chunhua Zhang, PhD\*, Algoma University; John M Kovacs, PhD, Nipissing University; Dan Walters, PhD, Nipissing University; Duncan Hill, Nipissing University; Jiali Shang, PhD, Agriculture and Agri-Food Canada, *Measuring crop biological parameters using aerial images from a low altitude remote sensing platform.*

- 5:10** Daniel J Murphy\*, University of Northern Iowa, *Using Hyperspectral Images from an Unmanned Aerial Vehicle for Characterization of Maize.*

**1676. New Directions in Geospatial Simulation: Research Frontiers**  
Room: Alpine 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Christopher Bone, University of Oregon; David O'Sullivan, University of California, Berkeley; Arika Ligmann-Zielinska, Michigan State University

CHAIR(S): Christopher Bone, University of Oregon

- 4:40** David O'Sullivan\*, University of California, Berkeley; George L. W. Perry, University of Auckland, *Identifying narrative arcs to explain outcomes in an agent-based model of island resource exploitation.*

- 5:00** Arika Ligmann-Zielinska, PhD\*, Michigan State University; Sue Grady, PhD, Michigan State University; Wei Liu, Michigan State University, *The Impact of Urban Form on Weight Loss - Combining Spatial Agent-Based Model with Transtheoretical Model of Health Behavior Change.*

- 5:20** Nicholas Magliocca, Ph.D.\*, National Socio-Environmental Synthesis Center; Margaret Walls, Ph.D., Resources for the Future; Virginia McConnell, Ph.D., Resources for the Future, University of Maryland Baltimore County, *Investigating spatial and temporal sensitivities in coastal development dynamics in response to coastal amenities, risk perceptions, and a changing storm climate.*

Discussant(s): Tom Evans, Indiana University

**1677. Asia Calling: Will you answer? (Sponsored by China Specialty Group, Asian Geography Specialty Group, Middle East Specialty Group, International Research and Scholarly Exchange Committee)**

Room: Alpine 2, Swissôtel, Lucerne Level (Panel Session)

ORGANIZER(S): Vandana Wadhwa, Boston University

CHAIR(S): Vandana Wadhwa, Boston University

Introducer: Vandana Wadhwa

Introducer: Hussein A. Amery

Discussant(s): Stanley D. Brunn, University of Kentucky

Panelists: Elizabeth Chacko, The George Washington University; Ralph Lenz, Wittenberg University; Alexander C. Diener, University of Kansas; Chandana Mitra, Auburn University; Todd Stradford, UW-Platteville; Harvey Neo, National University of Singapore

**1678. Weather and Climate: Methodological Studies**

Room: Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Gwangyong Choi, Jeju National University

- 4:40** Michael A. Davis\*, Kutztown University of Pennsylvania, *Ocean-Atmosphere Feedbacks in Southeastern Pacific Simulated by the IPCC AR5 Coupled GCMs.*

- 5:00** David Keellings\*, University of Florida; Cindy Bruyere, National Center for Atmospheric Research; Mari Tye, National Center for Atmospheric Research; Abigail Jaye, National Center for Atmospheric Research, *Evaluation of a high-resolution regional climate ensemble.*

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**5:20** Forrest DeGroff\*, CCSF, *A Proposed Alternative Measure for Climate Change Potential*.

**5:40** Ke Chen, Xi'an Jiaotong-Liverpool University; Yuchun Yan, Xi'an Jiaotong-Liverpool University; University of Liverpool; Bailiang Li\*, Xi'an Jiaotong-Liverpool University; Wenbo Cao, Xi'an Jiaotong-Liverpool University; University of Liverpool, *Dry deposition of atmospheric particulate matter to wavy water surfaces*.

**6:00** Gwangyong Choi\*, Jeju National University; David A. Robinson, Rutgers, The State University of New Jersey, *Mismatches between Northern Hemisphere Vegetation and Thermal Growing Seasons*.

**1679. Middle-Class Trajectories in the Global South: A Comparative and Intersectional Approach (Sponsored by Geographic Perspectives on Women Specialty Group, Development Geographies Specialty Group)**

*Room:* St. Moritz, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Carolina Sternberg, DePaul University; Sanjukta Mukherjee, DePaul University, Women's & Gender Studies; Monica Farias, University of Washington

CHAIR(S): Carolina Sternberg, DePaul University

**4:40** Sanjukta Mukherjee\*, DePaul University, Women's & Gender Studies, *The "new middle class" and gendering of IT led development in India*.

**5:00** Yaffa Truelove\*, University of Cambridge, *Gray Zones of Water: The Urban "In-between" and (In)formal Water Practices in Delhi's Unauthorized Colonies*.

**5:20** Eda Acara\*, Queen's University, *Conflict geographies of Crisis: Stately encounters in Thrace region of Turkey*.

**5:40** Monica Farias, PhD\*, University of Washington, *Socioeconomic crisis and middle class political trajectories in Buenos Aires: The experience of the asambleistas*.

**6:00** Carolina Sternberg, PhD\*, DePaul University, *Middle-Class(es) Shifting Moralities and Sensibilities in Neoliberal Buenos Aires*.

**1680. Regional Development and Planning in International Comparison (Sponsored by Regional Development and Planning Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)**

*Room:* Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Balázs Forman, Corvinus University of Budapest

CHAIR(S): Balázs Forman, Corvinus University of Budapest

**4:40** Christian Rogerson\*, University of Johannesburg, *Tourism and Regional Development: The Case of South Africa's Distressed Areas*.

**5:00** Mathias Le Bossé\*, Kutztown University of Pennsylvania, *Regions and Regionalisms in Contemporary France: Myths and Realities*.

**5:20** Torsten Schunder\*, University at Buffalo, *Urban Governance in Shrinking Cities in Western Germany and the US*.

**5:40** Miguel Alonso Contreras\*, Syracuse University, *Regionalist social movements in Chile: New citizenships in the neoliberal era*.

**1681. Turkish Cultural Geography Studies (Sponsored by Cultural Geography Specialty Group)**

*Room:* Verbier, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Saban Celikoglu, Bulent Ecevit University; Namik Tanfer Altas, Atatürk University; Ogun Coskun

CHAIR(S): Serhat Zaman, Atatürk University

**4:40** Namik Tanfer Altas\*, Atatürk University, *An Important Cultural Tourism Potential: Uzundere District*.

**5:00** Ogun Coskun\*, *An Example To The Spatial Reflections of Cultural Elements: Condolence Houses In Erzurum*.

**5:20** Saban Celikoglu\*, Bulent Ecevit University, Eregli Faculty of Education, *Gathering Culture for Nutritional Purposes in Zonguldak Region*.

**5:40** Ahmet Cavus\*, Atatürk University, *A Lesser Known Important Cultural Heritage Source In Turkey And Religious Tourism Centre: Vazelon (Zavulon) Monastery*.

**6:00** Serhat Zaman\*, Atatürk University, *A Cultural Documentary Heritage Value From Turkey To Unesco World Memory: Evliya Çelebi's Seyahatname Or Book of Travels And Some Quotes From Its Geographical Content*.

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**1723. AAG Annual Meeting Opening Session**

*Room:* Grand Ballroom C/D South and E/F, Hyatt, East Tower, Gold Level (Plenary Session)

Welcoming Remarks:

**Douglas Richardson**, AAG Executive Director

**Mona Domosh**, AAG President, Dartmouth College

**Presidential Plenary Session: "Radical Intra-Disciplinarity"**

Sponsor: **Radical Intra-Disciplinarity Theme**

This session brings together human, physical, environmental and geospatial geographers to highlight and celebrate the creative and radical possibilities of our discipline being so "un"disciplined. To do so, the session is organized into five themes (nature, time, visibility, justice, and landscape), each of which will be addressed by a team of two geographers coming from different scholarly traditions and areas of expertise. Participants include Martin Doyle and Becky Mansfield on Nature, Patrick Bartlein and Stephen Daniels on Time, Harriet Hawkins and Sarah Elwood on Visibility, Josh Barkan and Laura Pulido on Justice, and Tariq Jazeel and Dan Friess on Landscape.

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

*For special events, please see the Special Events & Meetings Summary on pages 56-60.*

**AAG 2015 Mobile App for**  
*iOS, Android and Blackberry*



# WEDNESDAY, APRIL 22 • POSTER SESSION

## Human Geography Poster Session

Room: Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)

Casual Viewing Time: 11:30 a.m. - 4:30 p.m. (presenters not required to stand by posters)

Poster Session Reception and Happy Hour: 4:30 p.m. - 7:30 p.m. (presenters please stand by your posters)

Poster set-up time: 11:00 a.m. - 11:30 a.m.

Kelsey Davison\*, Salem State University, *The Efficacy of Fish Conservation Areas within the Tonle Sap*.

Monica Deming\*, University of Oklahoma, *Cascading relationships between climate, weather, dust, and disease in Burkina Faso: Phase 2*.

Amir Said Siraj\*, Department of Geography and the Environment, University of Denver; Dale Rothman, Assoc. Prof., Josef Korbel School of International Studies, University of Denver; Paul Sutton, Prof., Department of Geography and the Environment, University of Denver; Asnakew Yeshiwondem, Ministry of Health, Ethiopia; Mercedes Pascual, Prof., Department of Ecology and Evolutionary Biology, University of Michigan, *Persistence of malaria in epidemic prone areas*.

L. Renee Ness\*, Texas State University, *Flooding, Drought and Migration: The Environmental and Socio-Economic Nexus in Cambodia*.

Jaclyn May Langella\*, Hofstra University; Jaclyn May Langella, Hofstra University, *Native American Migration in North America*.

Charlynn A. Burd\*, U.S. Census Bureau; Peter J. Mateyka, U.S. Census Bureau, *City or Suburbs? Evidence from the 2009-2013 5-year American Community Survey*.

Karmen Krystelle Fiedler\*, University of Wisconsin - Oshkosh, *Collecting and Processing NTFPs in Oshkosh and the Surrounding Areas*.

Morgan A. Crowley, M.S. Student\*, Department of Natural Resources and the Environment, University of New Hampshire; Joel Hartter, PhD, Environmental Studies Program, University of Colorado Boulder and Carsey School of Public Policy, University of New Hampshire; Lawrence C. Hamilton, PhD, Department of Sociology and Carsey School of Public Policy, University of New Hampshire; Nils D. Christoffersen, Executive Director, Wallowa Resources; Russell G. Congalton, PhD, Department of Natural Resources and the Environment, University of New Hampshire, *Characterizing NIPF landowners' management strategies, and collaborative forestry engagement at the parcel level in Wallowa County, OR*.

Sonia Sobrino Ralston\*, Katerina Mizrokhi\*, *Regent Park Revitalization Document Analysis*.

Fiona M. Davidson\*, University of Arkansas, *The Politics of Independence: SNP support and the Yes/No Vote in Scotland 2014*.

Elizabeth Agredano\*, California State University, Fullerton; Urban Agriculture Community-based Research Experience Program; Sara E. Johnson, Ph.D., California State University, Fullerton, *A Garden of One's Own: The Role of Home Gardens in Augmenting Food Security for Low-Income Communities*.

Marina Khananayev\*, Clark University; John Rogan, Graduate School of Geography - Clark University; Deborah Martin, Graduate School of Geography - Clark University; Verna DeLauer, George Perkins Marsh Institute, *Examining the positive impacts of an invasive insect species on youth development and empowerment in Worcester, MA*.

Jim A. Davis\*, Eastern Illinois University, *Wrestling in the Rust Belt: Spatial Patterns of Wrestling in the Northeast and*

*Midwest...*

Clara Schopf\*, Hofstra University, *What's Brewing in Wisconsin?: Why America's Dairyland Goes Blue in Presidential Elections and Red in Gubernatorial Elections*.

Samuel M. Otterstrom\*, Brigham Young University, *Multigenerational Migration Origins and Trajectories of Europeans within the United States during the 19th Century*.

Michael Mozzar\*, Keene State College; John Riordan, Keene State College; Ashley Joyal, Keene State College; Keith Pancake, Keene State College, *Home Sweet Home: Housing Participant Satisfaction Survey*.

Katherine Wood\*, Keene State College; Varick Parizo, Keene State College; Lena Fontana, Keene State College; Dylun Clark, Keene State College, *The Path Less Pedaled: An Assessment of the North Cheshire Rail Trail in Southwestern New Hampshire*.

Nathan Schaffer\*, University of Wisconsin - Eau Claire, *From Albina Access to a Rockwood Reduction: Analysis of Access to Low-Income Resources in Portland, Oregon*.

Bradley J. Farley\*, Western Michigan University, *Environmental Impact of Conference Realignment*.

Mia El-Hamaki\*, Furman University; Weston Dripps, Furman University, *A Green Advantage: Engaging employees with corporate sustainability through the use of persuasive technology*.

Amanda Payton\*, Furman University; William Ranson, Ph.D, Furman University, *Sedimentation, Soil Pollution, and Plant Community Structure at Lake Conestee Nature Park, Greenville, SC*.

Michaela Jo Barnett\*, Furman University; Weston Dripps, Furman University; Kerstin Blomquist, Furman University, *Disordered Eating and the Alternative Food Network*.

Matthew Mittler\*, Southern Illinois University Edwardsville, *A Sociospatial Analysis of High School Performance in Three Illinois Regions*.

Hsiao-Wei Yu\*, Institute of Health Policy and Management, National Taiwan University, *Geographic disparity of the long-term care facilities in Taiwan*.

Patricia De La Mata\*, MiraCosta Community College, *Carlsbad, California Desalinization Plant Project: A Good Idea*.

Jeffrey Olson\*, University of Wisconsin - Whitewater, *Midwest Counties in Transition: Commuting, Population and Urban-Rural Change, 1980-2010*.

Ansel Lundberg\*, University of California - Santa Barbara; Jason Tran, University of California - Santa Barbara; Stacy Gee, University of California - Santa Barbara; Kameron Chang, University of California - Santa Barbara, *Not So Golden: Which Counties in California are most accommodating for Low Income residents?*.

Kevin N. Raleigh\*, University of Cincinnati, *Orange and Green Boundaries: How Legal Closure (has or has not) Impacted Religious Landscapes in Belfast, Northern Ireland*.

Lauren Emilie Mackey\*, *Pilgrimage Tourism and the Sacred Geography of Uttarakhand, India*.

Emma Poppante\*, Furman University; Weston Dripps, Furman University, *The Sustainability of an Ecovillage From a Dynamic Systems Perspective*.

Billy Tutt\*, Furman University; Weston Dripps, Furman University, *The Path to Zero Waste at a Liberal Arts University*.

Charles Stoll\*, Keene State College; Hannah Elliott, Keene State College; Jason Cyr, Keene State College; Thomas Todd, Keene State College, *Perceptions and Practices of Sustainability within Keene, New Hampshire*.

Austin Rau, Student\*, Minnesota State University, Mankato, *Bakken Crude Oil and the Changing Logistics of the American Petroleum Industry*.

Shane Richard Winslow\*, University of Cincinnati, *Ascent of the*

# WEDNESDAY, APRIL 22 • POSTER SESSION

- City: The Importance of Stairways in the Development of Cincinnati.*
- Rajrani Kalra\*, California State University - San Bernardino, *Tourist-Led Regional Development in India: Determinants and Implications.*
- Fengjun Jin\*, Chinese Academy of Sciences, *Spatial evolution of world transport corridors under the change of global commodity trade pattern.*
- Kihwan Seo\*, Arizona State University; Michael Kuby, Arizona State University; Aaron Golub, Arizona State University, *Impacts of proximity to highways exits and light rail stations on commercial property values using hedonic price model: Case study of Phoenix, Arizona.*
- Yun Zhao\*, Oklahoma State University; Hongbo Yu, Oklahoma State University, *Accessibility impact of high-speed rail development.*
- Kara Poppe\*, University of Northern Iowa, *Asset-Based Community Development in International Service-Learning Projects: Observations and Lessons from Nicaragua.*
- Basheer Alshammari\*, University of Cincinnati, *Tourism impact of Wasson Way Bike Path.*
- Robert George\*, Furman University; Bill Ranson, Professor of Earth and Environmental Science, Furman University, *Sustainability of the Southern Appalachian Brook Trout.*
- Shannon McCallum\*, Southern Connecticut State University; Kristen Michelle Chaney, Southern Connecticut State University; Alexandra Pearl Spencer, Southern Connecticut State University, *Student Attitudes, Perspectives, and Participation in Recycling Programs at Southern Connecticut State University.*
- Douglas Vander Hulst, Graduate Student\*, Western Michigan University, *Building GREEN on the rise: A two part study identifying significant factors in LEED growth at National and State levels, and the difference in factor impacts as the study area changes..*
- Lindsey Fleury\*, Salem State University, *Public perception and the influence it has on local policy..*
- David Wiosna\*, University of North Dakota; Michael A Niedzielski, University of North Dakota, *Changing Bike Mode Share Between Time Periods For Suffolk County, MA.*
- Rugtvedt L. Jonas\*, University of Wisconsin - La Crosse; Gargi Chaudhuri, PhD, University of Wisconsin - La Crosse, *Road Network Analysis of Oslo, Norway.*
- Luis R. Ortiz Sanchez\*, Binghamton University, *The Value of Time in Public Transportation: The Case of the Metropolitan Bus Authority in San Juan, Puerto Rico.*
- Si Chen, PhD Candidate\*, The University of Hong Kong; P.C. Lai, Dr., The University of Hong Kong; R. J Stimson, Dr., The University of Melbourne, *Assessing Land Use Characteristics as Objective Measures of the Urban Quality of Life: A Case of Hong Kong.*
- Jakob Sacket\*, Hofstra University, *Food Equity in Nassau County.*
- Takashi Kirimura\*, The University of Tokyo, *Changes in the Urban Geodemographic Structure of Japan's Three Major Metropolitan Areas from 1985 to 2005.*
- Jesse Elisabeth Mlcoch\*, James Madison University, *Mapping Urban Spaces of Absence, Applications of Counter Cartography in Local Urban Sustainability Studies.*
- Allen Finchum, PhD CCP GISP\*, Oklahoma State University; Matthew Haffner, Oklahoma State University, *Using Twitter Data to Analyze Mobile Device Usage Patterns in Urban Areas.*
- Stacy Clauson\*, Western Washington University; Troy D. Abel, Ph.D., Huxley College of the Environment, Western Washington University on the Peninsulas, *A Tale of Two Emerald Cities: Environmental Inequality Formation and Participatory Geography in Action.*
- Jeanette Eckert\*, Michigan State University; Igor Vojnovic, PhD, Michigan State University, *Going Out to Eat: A Comparison of Restaurant Trip Travel Behavior for Residents of Six Southeast Michigan Neighborhoods.*
- Kevin Bean\*, Bridgewater State University, *Infill Station on the MBTA Red Line, Braintree Branch: A Case Study.*
- Elliot Altbaum\*, Clark University, *Clustering Equity for Transit Planning.*
- Elina Sukaryavichute\*, Miami University, *"Transit Deserts" and Planning in Chicago, IL: Critical Analysis..*
- Rachel Luu\*, Georgia State University; Emily Christenson, University of Wisconsin-Eau Claire; Christine Munisteri, Skidmore College; Leah Rogstad, University of Vermont; Timothy Hawthorne, Georgia State University, *Community Outreach and Public Participation to Understand Community and Urban Greenspace in Atlanta.*
- Margaret M. Gripshover\*, Western Kentucky University; Christa A Smith, Clemson University, *Hidden Houses, Hidden Geographies: Using Sanborn Maps and Historical Archives to Teach Urban Geography.*
- Gaia Khairina\*, Clark University; John Rogan, Dr., Clark Graduate School of Geography; Deborah Martin, Dr., Clark Graduate School of Geography; Verna DeLauer, Dr., George Perkins Marsh Institute; Arthur Elmes, Clark Graduate School of Geography; Matthew Manley, Clark Graduate School of Geography, *Characterizing Changes in Urban Forest Ecosystem Services Due to Invasive Insect Eradication in Worcester, Massachusetts.*
- Fatima Cecunjanin\*, Southern Connecticut State University, *A Historical Geography of Rainwater Harvesting.*
- Michael Folsom\*, Eastern Washington University, *Wetland Mitigation Banks, the geography of doing well by doing good..*
- Philip L. Chaney, PhD\*, Auburn University; Richard Greene, Auburn University; Amberly Ware, Auburn University, *A Survey of Water Resources Programs in U.S. Geography Departments.*
- Caren Kay, Miami University; Amelie Y. Davis\*, Miami University, *Neighborhood social networks and sense of community.*
- Alison Olmstead\*, University of Wisconsin - Eau Claire, *Biking for the Masses: Investment and Education for a More Equitable Infrastructure in Portland, Oregon.*
- Zaida Darley\*, University of South Florida; Eric S. Koenig, University of South Florida; Rebecca K. Zarger, University of South Florida; E. Christian Wells, University of South Florida; Linda M. Whiteford, University of South Florida, *Scale Challenges of Water and Energy in Belize and the U.S. Virgin Islands.*
- Francisco J. Negron-Aleman\*, University of Puerto Rico, *A "College Town" or a "City with a College?" The Spatial Integration of the University of Puerto Rico at Rio Piedras..*
- Alexander Hayes\*, *Worcester's Public Art Spaces.*
- Megan Healy\*, University of Wisconsin - Madison, *Housing Policy and Socio-Spatial Displacement in Pre-Olympic Rio de Janeiro.*
- Hillary Beattie\*, University of Winnipeg; Matt Dyce, The University of Winnipeg, *Making Modern Landscapes: Nature, Tourism, and Antimodernism in Post-War Manitoba.*
- Cheryl Geslani, M.S.\*, University of Hawaii Economic Research Organization, *The Future is in the Past: Ha'ena, Kauai, Hawaii.*
- Adam Bakiera\*, Texas State University, *Pervious Pavement Options: They Drain when it Rains.*
- Emily A. Moothart\*, University of Wisconsin - Eau Claire; Emily R. Christenson, University of Wisconsin - Eau Claire, *Viticulture in the Willamette Valley, Oregon: Creating a Predictive Model to Estimate the Incentives of Biodynamic Viticulture.*

# WEDNESDAY, APRIL 22 • POSTER SESSION

- Keeley Heise\*, Oklahoma State University, *Urban Vulnerability and Resilience: A Look at Socioeconomic Data for the Northern Great Plains of the United States*.
- Richard A. Earl\*, Texas State University; Andrew Sansom, Texas State University, *San Marcos, Texas: "Bull's-Eye in Flash Flood Alley"*.
- Luke Juran\*, Virginia Tech; Morgan C. MacDonald, Griffith University; Nandita B. Basu, University of Waterloo; Shane Hubbard, University of Wisconsin-Madison, *Development and application of a contextualized, multi-scalar Water Poverty Index in post-tsunami South India*.
- Dale R. Lightfoot\*, Oklahoma State University; Jeremy Odenwald, City of Tulsa, Oklahoma, *Integration and Efficiency of Traditional Canal Irrigation in Morocco*.
- Benjamin Ewald\*, Clark University; Amy Phillips; Marina Khananayev; Alison Jackman; Elizabeth Anderson; Albert Bautista; Deborah Martin; Verna DeLauer; Arthur Elmes; John Rogan, *The Importance of Direct Communication: A Case Study of Asian Longhorned Beetle Eradication Policies and Practices in Central Massachusetts*.
- Logan Hurd\*, University of Northern Colorado, *Cultivating Community: Selecting Sites for an Urban Garden in Greeley, Colorado*.
- MaryJeanne Buonocore\*, *The Wintergreen Apartments, in New Haven CT: A Catalyst for Gentrification?*.
- Jaime Lee Orr\*, University of Winnipeg; Matt Dyce, University of Winnipeg, *Past and Present Spaces of the 'Canadian Geographical Journal', 1930-1960*.
- Kortney Huffman\*, Missouri State University, *Using Repeat Photography to Assess Landscape Change: The Howard Eaton Trail*.
- Geoffrey L. Buckley\*, Ohio University, *From State Forester to Timber Operator: Fred Besley's "Second Career"*.
- Ryan Bullock\*, The University of Winnipeg; Julia Lawler, The University of Winnipeg, *Bridging Disciplinary Divides in Community Forestry: Research Trends and Needs*.
- Haoluan Wang\*, University of Alberta; Feng Qiu, University of Alberta; Brent M Swallow, University of Alberta, *Can community gardens and farmers' markets relieve food desert problems? A study of Edmonton, Canada*.
- Lisa McNabola\*, James Madison University, *Geography Sustainability Assessment: A Local Approach*.
- Morgan Klaas\*, *Altering the Urban Environment: A Case Study of Los Cartoneros in Buenos Aires*.
- Rebecca A. Johns Krishnaswami, Ph.D.\*, University of South Florida St. Petersburg; Elizabeth Merton, Graduate Student, University of South Florida St. Petersburg, *Neglected Yards and Community Landscaping*.
- Jess C. Porter\*, University of Arkansas at Little Rock; Carlos E. Cordova, Oklahoma State University, *The 1930s Dust Bowl: Evaluating a 20th Century Environmental Crisis from a Geoarchaeological Perspective*.
- Shivon Van Allen\*, University of Alabama, *Angler Perceptions of Changes in Lateral Connectivity: The Case of the Black Warrior River*.
- Suhui Liang\*, Tsinghua University; Yigang Wei, Tsinghua University, *A new urban development strategy in China researched by the carrying capacity model and the coordinated development index system*.
- Nina Simone Vilaverde Moura, Prof<sup>a</sup> Dr<sup>a</sup>\*, Professor Dept. Geography of the Federal University of Rio Grande do Sul, Brazil; Visiting Scholar at Center Global Change and Earth Observations, Michigan State University; Emilio F. Moran, Ph.D., John A. Hannah Visiting Professor of Global Change Science Center for Global Change and Earth Observations Dept. of Geography, Michigan State University; Aline Kunst, Prof<sup>a</sup>, Post-Graduate student in the Geography at Federal University of Rio Grande do Sul, Brazil, *Environmental Problems on the Northern Coast of the State of Rio Grande do Sul, Brazil: causes and trajectories of changes in Land Cover and Land Use*.
- Laura Egan Krauser\*, University of Louisville, *The Streetcar: How the Interaction of People and Infrastructure Shaped the City of Louisville*.
- Sarah E. Hinman\*, Leiden University College The Hague, *Comparative Analysis of Infant Mortality in Baltimore, Maryland, 1880 and 1920*.
- Stefan Martinez-Ruiz, Undergraduate\*, Georgia State University, *A Historical Overview of Housing in the neighborhood of Vine City, Atlanta, Georgia*.
- Jorge A. Ortiz-Lucca\*, Department of Geography, University of Puerto Rico; Luis J. Rivera-Herrera, Coalicion Pro-Corredor Ecologico del Noreste; Jorge R. Ortiz-Zayas, Department of Environmental Sciences, University of Puerto Rico, *Linking human activities with coastal hydrographic changes in an ecologically sensitive area: the "cascade effect" of the Northeast Ecological Corridor in Puerto Rico*.
- Evan McCarthy\*, *The Effects of Land Tenure on Land Use and Land Cover Change in the Indigenous Community of Pablillo: A Case Study*.
- Erin Heibein, Natural Resources Canada; Brian Ballantyne, Natural Resources Canada; Steve Rogers\*, Natural Resources Canada, *Yukon Lands Set Aside*.
- Noelia Mercedes García\*, Universidad de Puerto Rico, Río Piedras Campus, *Music and ecological identity: Culebra's rhythms towards conservation of nature*.
- Stella Han\*, University of Richmond, *Regional Universities in Amazonian Development and Social Change: A unique role facing critical challenges*.
- Samantha Gaudette\*, Keene State College; Jack Lapsley, Keene State College; Justin Fournier, Keene State College; Mike Johnson, Keene State College, *The Ashuelot Rail-Trail: The ART of Commuting*.
- Lillian Jean Mayer\*, SUNY Geneseo, *Campus Brutalism: The Myth of Riot Architecture on American College Campuses*.
- Jasmine Stevenson\*, Middle Tennessee State University; Hari P Garbharran, Ph.D, Middle Tennessee State University, *Humans in Crisis helps victims of domestic abuse in Katmandu, Nepal*.
- Robin A. Lewis\*, Hobart and William Smith Colleges; Stacey R Davis, Hobart and William Smith Colleges, *Forest certification, institutional capacity, and learning: An analysis of the impacts of the Malaysian Timber Certification Scheme*.
- Jillian Ames\*, University of Texas, Austin, *Malaria, Climate Change, Migration, and Global Politics*.
- Colin Kunzweiler, M.S.\*, School of Public Health, University of Illinois at Chicago, *Visualizing and Assessing Residents' Knowledge of the Spatial Distribution of Mosquito Populations in Maricopa County, AZ*.
- Jesse Rouse\*, UNC Pembroke, *Impact of shell-bearing sites on prehistoric cultural landscapes*.
- Erik Prout\*, Texas A&M University, *On the Road to Nowhere*.
- Craig S. Revels\*, Central Washington University, *Tropical Visions: Placing the Future in Northeastern Honduras, 1800s-present*.
- Debin Du\*, Department of Human Geography, East China Normal University, *Geography of Containment and Anti-containment of China's Rise*.
- Qiangmin Xi\*, Guoping Li\*, *Characteristics and Effects of Space Division of Producer Service in the Beijing-Tianjin-Hebei Metropolitan Region*.
- Jamie Baxter\*, Western University; Chad Walker, Western University, *Health risk and sustainable energy policy: Empirical explorations in wind turbine communities*.
- Ben Imberg\*, University of Wisconsin - Stevens Point; Timothy Kennedy, University of Wisconsin- Stevens Point, *Examining historic tax parcel and land-use/land-cover change to help protect public lands in Columbia*.

# WEDNESDAY, APRIL 22 • POSTER SESSION

- County, Wisconsin.
- Zoe Ritter\*, Clark University; John Rogan, Clark University; Anthony Bebbington, Clark University; Nicholas Cuba, Clark University, *Exploring connections between mining revenues and localized conflict in Peru.*
- Lubos Fendrych\*, University of Massachusetts, Lowell, *Human geography and Global Studies interplay: a prospect for multipolar world research?*
- Laura A. Wallace, M.A. Geography\*, Kansas State University; Lisa M.B. Harrington, Professor - Geography, Kansas State University, *Condit Dam Removal: A Decision-making Comparison with Removal of Elwha River Dams.*
- Ming-chih Hung\*, Northwest Missouri State University; Yi-Hwa Wu, Northwest Missouri State University, *Faculty resources and e-mail communications for online thesis.*
- Robert McCallister\*, Univ of Wisconsin - Rock County, *Helpful Ideas from a Decade of Green Energy Outreach.*
- Manna Begum Khan\*, Christopher Atkinson, Dr., *Water Pollution and the Connection to Industry in Bangladesh.*
- Johanne Sanschagrin\*, Office of the Auditor General of Canada, *Arctic Fisheries.*
- John William Hogge\*, University of Richmond, *Globalized Energy: How Ball State University Emerged as a Geothermal Leader.*
- Norman Jones\*, Bishop's University; Norman K Jones, Bishop's University, *Changing Winegrape Growing Conditions in southern Quebec, Canada: a temperature-based analysis.*
- Cidalia Elisa Pina, Student\*, Bridgewater State University; LEAH Marie WALKER, Student\*, Bridgewater State University, *Hydraulic Fracturing: Is the Short Term Gain Worth the Long Term Risk?*
- Frances C. Mujica\*, University of South Alabama; Carol F. Sawyer, University of South Alabama, *Does Required High School Geography Influence the Size of Undergraduate Geography Programs in the U.S.?*
- Erik Hodges\*, Township High School District 214; Michelle Fonsino\*, *Teaching Human Geography to high school students using the iPad.*
- Dawn Hawley, Ph.D\*, Northern Arizona University, *Constructing and Assessing a Group Capstone Experience.*
- Parker White\*, University of Alabama, *A Spatial Analysis of Management Techniques on Nuisance Black Bears in Great Smoky Mountains National Park, USA (1990-2013).*
- Tom Fernando Silva\*, SUNY Geneseo, *Deer Impact on Biodiversity in Letchworth State Park: A Five Year Analysis.*
- Michael K. Steinberg, Ph.D\*, University of Alabama, *A Countrywide Assessment of Threats to Marine Sport Fishing Resources in Belize.*
- Katarina Polajnar Horvat\*, Research center of Slovenian Academy of science and Arts, *The Role of Social and Psychological factors in Developing Environmental Awareness and Changing Environmental Behaviour.*
- Sungjo Hong\*, Korea National University of Transportation (Department of Urban Engineering), *Migration Patterns of Newly-married Households in Seoul Metropolitan Area.*
- Damon Nelton\*, Damon Nelton, *Veteran home-buying behavior as it relates to home-work commuting.*
- Loch Brown, DPhil MA BA\*, University of British Columbia, *Problem Based Learning in Geography Higher Education: Theory and Practice.*
- Carol F. Sawyer\*, University of South Alabama; Frances Currin Mujica, University of South Alabama, *Undergraduate Geography Programs in the U.S.: Their Characteristics and Web Presence.*
- Ahmad Mohammad Albassam, Assistant Professor\*, Qassim University, *Urbanisation In Saudi Arabia.*
- Hayden Colleen Murphey\*, Department of Geography, Kansas State University - Manhattan, KS, *Constructing a K-12 Weather Curriculum Based on Theories of Cognitive Development.*
- Christine L. Jocoy, PhD\*, California State University - Long Beach, *Experiencing Urban Sustainability in Five Field Trips.*
- Stephanie Marie Varanay\*, Keene State College; Patrick Williamson, Keene State College, author; Baylee Boulem, Keene State College; Meghan Vetter, Keene State College, *Rocks, Paper, Pixels: Exploring Geographic Education in the Granite State.*
- Georgina G DeWeese, PhD\*, University of West Georgia, *Myth and History in the Dendroarchaeological Dating of Cherokee Structures, Georgia, USA..*
- Olga Serenchenko\*, University of Colorado - Denver; Christy Briles, PhD, University of Colorado Denver; Christopher Andersen, University of Colorado Denver, *Human and Climate Controls on Late Holocene Fire Regimes and Vegetation in Northern Vietnam.*
- Alexandra Morgan Destefano\*, Southern Connecticut State University, *Mapping the Networks of Indigenous Health in Rural India: A Case of Dongria Kondh.*
- Emily Hollen\*, Stephen F. Austin State University; Jeffery E. Roth, Stephen F. Austin State University; Darrel McDonald, Stephen F. Austin State University, *Extending Service Learning Projects outside Academic Pedagogy: Teaching Geography of Place through Geography Clubs.*
- Edward Hamilton Davis\*, Emory & Henry College, *A Map of Virginia's Home Gardens Using Google Earth imagery.*
- Hollis K. Miller\*, Department of Anthropology & Sociology, Lafayette College; J. Daniel Rogers, Department of Anthropology, Smithsonian Institution, *Using agent-based modeling to examine the effects of social connectivity on resilience.*
- Nikita Prajapati\*, California State University, Long Beach, *Lost in Food Translation (Authenticity of Cambodian Food in Long beach, CA).*
- John T. Morgan\*, Emory & Henry College, *The Geography of Brick Branding in the United States.*
- Huiqing Wang\*, University of Akron, *Mapping the Correlation between Poverty and Mortality from Heart Disease in the United States.*
- John E. Bodenman\*, Bloomsburg University; Ashton Mook, Bloomsburg University; Kevin Rooker, Bloomsburg University, *Locational Trends of the Investment Advisory Industry in the United States at the Inter-Metropolitan Scale, 1983-2013..*
- Barry D. Keim\*, Louisiana State University, *Writing Articles for a Newspaper.*
- Thomas Curran\*, West Point, *Climate Shock and Conflict Incidence.*
- Xiaoping Shen\*, Central Connecticut State University; Shangyi Zhou, Beijing Normal University, *Older People's Perceptions of Elderly Dining Services in China.*
- Adrienne Ybanez Cooke\*, Pennsylvania State University, *Daily Sales Report: An Ethnographic Study of a Big Box Retailer.*
- Yolonda Youngs, Ph.D., Assistant Professor\*, Idaho State University, Department of History; Greg Farley, HRM Graduate Student, Idaho State University, Department of History; Colden Baxter, Ph.D., Professor, Idaho State University, Department of Biology; Danelle Larson, Ph.D., Post Doctoral Researcher, Idaho State University, EPSCoR MILES; Kaylee McCullough, M.S. Graduate Student, Idaho State University, Department of Biology; Robert Edsall, Ph.D., Research Professor, Idaho State University, Department of History, *The Portneuf River: Using StoryMaps to Engage Stakeholders about Culture, Ecology, and Recreation.*
- Michael Dobbins\*, University of Alabama; Michael Steinberg,

# WEDNESDAY, APRIL 22 • POSTER SESSION

- University of Alabama, *Habitat Selection, Activity Patterns, and Human Interactions With Jaguars in Southern Belize*.
- Anna Blyth\*, Pennsylvania State University, *Non-traditional Study Abroad Locations and Importance*.
- Benjamin Shields\*, United States Military Academy, *Vulnerability: The Special Operations Approach*.
- John McMillan Reynolds\*, Northern Illinois University, *Farmer Perceptions of Soil Quality and their Land Management Decisions*.
- Blair Delaney Stewart, Undergraduate Student\*, United States Military Academy, *The Geography of Labor Disputes in Sub-Saharan Africa*.
- Tadesse Kidane-Mariam\*, Edinboro University of Pennsylvania, *Addis Ababa: Kaleidoscope of major changes in urban form*.
- William Hayden Couvillion\*, Furman University; Jessica Vogt, PhD, Furman University; Angela Halfacre, PhD, Furman University, *Sustainable Urban Regeneration: How Urban Development in the American South Embodies the Main Tenets of Sustainable Development*.
- Karen Edelstein\*, FracTracker Alliance, *Mobilizing Community Awareness About Impacts and Build-Out of Unconventional Energy*.
- Cynthia Malone\*, Columbia University, *A Socio-Ecological Exploration of Human-Wildlife Conflict in the Context of Oil Palm Plantation Development in Cameroon*.
- Michelle Yvette Johnson, B.A. in Geography\*, Chicago State University, *Urban Agriculture and University Partnerships in Minority Communities*.
- Erin MacIver\*, University of Guelph, *"Trust where you are going": Cattle Ownership and Mobility for Women in Rural Botswana*.
- Daniel John\*, The University of Hong Kong, *Driving the Growth of International Financial Centres: An econometric analysis of Capital Markets and the Banking Sector*.
- Mariya Pak\*, Oregon State University, *International River Basin Management in the Face of Change: Syr Darya Basin, Central Asia Case Study*.
- Adam Flanery\*, *Forest Change and Local Perspectives on REDD+ in the Context of Community Forestry around Korup National Park, Cameroon*.
- Chelsea Zakas\*, *Contextualizing the Urban Farming Landscape in Atlanta*.
- France Azema\*, EHESS, *Where geography meets religion: The Indian Nation shaped as a Goddess*.
- James Hans Lenzer, PhD\*, University of Hong Kong, *The spatial agglomeration of entrepreneurial hedge fund firms in Hong Kong and Singapore*.
- Gloria Howerton\*, University of Georgia, *The Arizona Ethnic Studies Ban and the Production of the "Whitened" Citizen*.
- Keichi Kumagai, Professor\*, Ochanomizu University; Takashi Oda, Dr, Miyagi University of Education; Yukiko Nakamura, Dr, Ochanomizu University, *Fieldwork Practice and Commitment at Tsunami-hit Area*.
- Cheyenne Lei\*, Western Michigan University, *Explorations into the Equity Dimensions of US Bicycle Sharing Systems*.
- Donald J. Zeigler\*, Old Dominion University, *Contemporary Cemetery Landscapes: Changing Attitudes and Capabilities*.
- Vera K. Smirnova, PhD student\*, Global Forum on Urban and Regional Resilience, Virginia Tech, *On Political Economy of Metabolic Transformations and Socio-economic Resilience in Cities*.
- Jennifer Rogalsky, PhD\*, SUNY Geneseo, *Sustainable Tourism for Historic Preservation & Economic Development: Ocracoke, NC*.
- Lenora Angeles\*, University of British Columbia; Gabrielle R. Esser\*, University of British Columbia, *Sense of Home and Vulnerability: Meaning- and Place-Making in River-Fronting Informal Settlements Through PhotoVoice*.
- Thembele Kepe\*, University of Toronto; Ruth Hall, University of the Western Cape, *Creating Spaces of Learning and Action in South Africa's Post-apartheid Land Redistribution Program*.
- Vanessa Leon\*, Florida International University, *Second Homes spatial relationship in coastal Villages*.
- Marisa Laderach\*, Eastern Michigan University, *Preservation of the Ecuadorian Amazon: Sustainable Urban Planning for Land Conservation*.
- Virve Repo\*, University of Turku, *Short films in participatory planning*.
- Su Jin Lee\*, University of Southern California; Jordan Cooper, University of Southern California; Nicholas Gliserman, University of Southern California; Cian Reger, University of Southern California, *Measuring Geographic Change with Geospatial Technology and Landscape Photography in Two Harbors, CA*.
- Lacey Cunningham\*, Western Washington University, *The U.S. Conflict Minerals Law: Nearly five years later*.
- Ryuta Sato\*, Department of Agricultural Engineering and Economics, Kobe University; Ayako Matsumoto, Organization of Advanced Science and Technology, Kobe University, *Interview Analysis on the Effect of National and Private Projects for Regional Vitalization in Japan*.
- Jeren Luis Guzmán\*, University of Puerto Rico, Rio Piedras, *Where are the followers found? Spatial Analysis of the November 2012 Plebiscite and its Reflection of Spatial Agglomeration by Political Status Options*.
- Geoffrey Andrew Battista\*, McGill University; Brian H.Y. Lee, PhD, University of Vermont; Jane Kolodinsky, PhD, University of Vermont; Sarah Heiss, PhD, University of Vermont, *Exploring Transportation Accessibility to Health Care Among Vermont's Rural Seniors*.
- Brandi Nicole Stewart\*, University of South Alabama, *Miller Family Cemetery: Urban Living around the Dead*.
- Tatiana Cusnier-Vidal\*, University of Puerto Rico, *Exploring how social movements appropriate the figure of Oscar Lopez Rivera in building solidarity amongst transnational networks*.
- María G Lira Ledesma\*, UNAM; Pedro Urquijo Torres, UNAM, *Geographic Change in Ario de Rosales and Tacámbaro, Michoacán, México 1950-2012. Revisiting the Berkeley School studies*.
- Rahul D. Ghosal\*, Rutgers University, *Climate Vulnerability and Small Island States: A Case Study of the Caribbean*.
- Anne Siders, J.D.\*, Stanford University; Mark Algee-Hewitt, Ph.D., Stanford University, *Mechanism-Based Model of Adaptive Capacity and Resilience to Climate Change*.
- Jamie L. Strickland\*, University of North Carolina - Charlotte, *Following Esperanza and Judy: Using Children's Literature to Teach the Migrant Experience*.
- Cristina Isabel Ramirez, Geographer\*, University of Puerto Rico-Rio Piedras, *Marine Debris: a surface and underwater perspective in a Natural Estuarine Reserve*.
- Kathryn Dickerson\*, Hunter College, *The Innovation Makerspace: Knowledge Transfer on the Scale of the Meetup*.
- Katherine E. Goodall, PhD\*, Wellesley College, *Capturing the coffee system: A case for transdisciplinary research in agroecology*.
- Michael Chohaney\*, University of Toledo, *Diving for cover: The economics of the modern subduction of American peripatetic (Romani, Traveller, Ref) repair services providers into the underground economy*.



**WEDNESDAY, APRIL 22 • 8:00 AM - 9:40 AM • 2100****2101. Pyrogeography I: Fire Histories 1 (Sponsored by Cultural and Political Ecology Specialty Group, Remote Sensing Specialty Group, Biogeography Specialty Group)***Room: Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)*

ORGANIZER(S): Paul Laris, CSU Long Beach; Brian I. Magi, UNC Charlotte; Leif Brottem, University of Wisconsin- Madison

CHAIR(S): Jennifer Marlon, Yale University

**8:00** Xinyuan Wei\*, University At Buffalo; Chris Larsen, PHD, *Using forest fire simulations to assess how many time-since-last-fire sample points are required to reliably estimate the fire cycle in a canopy fire ecosystem.***8:20** Alan H. Taylor\*, Pennsylvania State University; Carl N Skinner, USDA Forest Service, Pacific Southwest Research Station; Becky Estes, USDA Forest Service, Pacific Southwest Research Region; Catherine Airey, Department of Geography, Penn State University, *Self-reinforcing patterns of vegetation and fire severity in wildland fires in the Sierra Nevada and southern Cascades, USA.***8:40** Jennifer Marlon\*, Yale University, *Extreme Events in Paleofire Records and Their Triggers.***9:00** Lucas Harris\*, Pennsylvania State University; Alan H Taylor, Pennsylvania State University, *Drivers of fire severity in an old-growth mixed-conifer forest, Yosemite National Park, California.***9:20** Christy E. Briles\*, University of Colorado at Denver, *Holocene Fire Activity and Forest Response to Climate Change in Northern California.***2102. Making space public: Manufacturing, claiming and re-imagining the urban environment***Room: Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)*

ORGANIZER(S): Sirpa Tani, University of Helsinki; Noora Pyry, University of Helsinki

CHAIR(S): Sirpa Tani, University of Helsinki

**8:00** Anna Livia Brand\*, University of New Orleans; Traci Birch\*, East Carolina University, *Not On My Bayou: Navigating the New NIMBYism.***8:20** Sandra Guinand\*, CUNY - Graduate Center- Center for place, culture and politics, *Festival market place memories : What has South Street Seaport become ?.***8:40** Päivi Rannila\*, University of Turku, *The Event of Law: Spatio-Legal Uses of Nordic Public Spaces.***9:00** Noora Pyry\*, University of Helsinki; Sirpa Tani\*, University of Helsinki, *Everyone's Right to the City? Playing and dwelling with urban space on Restaurant Day.*

Discussant(s): Don Mitchell, Syracuse University

**2105. Spatial Analysis and Population Modeling***Room: Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Chetan Tiwari, University of North Texas

**8:00** Andrew Norbert Brick\*, Minnesota State University; Woo Jang, Minnesota State University, *Population Migration Study: the perspective outlook of rural area in the Northern Plains and its relation to transportation analyses.***8:20** Emad Hasan\*, University of Oklahoma; Guoqiang Shen, University of Oklahoma, *Fractal Dimensions of Urbanized Areas and Night-Time Lights: The Case of United States.***8:40** Timmy Huynh\*, Pennsylvania State University, *Multi-Scale Measures of Population: An exploration of quantitatively-derived metrics of demographic variables at different spatial scales.***9:00** Sanglim Yoo, Dr\*, Department of Urban Planning, *Determining the size of neighborhood for Hedonic valuation of open space environmental amenities:: A case study of Onondaga County, NY.***9:20** Jesse Jones, University of North Texas; Chetan Tiwari\*,University of North Texas, *Effects of Non-Homogeneous Population Distribution on Smoothed Maps Produced Using Kernel Density Estimation Methods.***2106. Implementing Geospatial Technologies in Viticulture (Sponsored by Wine Specialty Group)***Room: Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)*

ORGANIZER(S): Adam Mathews, Oklahoma State University

CHAIR(S): Adam Mathews, Oklahoma State University

Introducer: Adam Mathews

**8:05** John W. Nowlin, PhD Student\*, University of North Carolina at Greensboro; Rick L. Bunch, PhD, University of North Carolina at Greensboro, *A Model for Selecting Viticultural Sites in the Piedmont Triad Region of North Carolina.***8:25** Jana C. Brady\*, Louisiana State University, *An ArcGIS Analysis of the Future Climatic and Topographic Suitability for Viticulture in the Tulbagh Valley, South Africa.***8:45** Megan Mills-Novoa\*, University of Arizona - School of Geography and Development; Philippo Pszczolkowski, PhD, Departamento de Fruticultura y Enologia, Pontificia Universidad Católica de Chile; Francisco Meza, PhD, Centro Interdisciplinario de Cambio Global, Departamento de Ecosistemas y Medio Ambiente, Pontificia Universidad Católica de Chile, *The Impact of Climate Change on the Viticultural Suitability of Chile's Maipo Valley.***9:05** Adam Mathews\*, Oklahoma State University, *An unmanned aerial vehicle-based methodology to assess vine canopy vigor.***2108. Impacts of Human Caused Land-Cover/Land-Use Changes on Terrestrial Ecosystem Functions (Sponsored by China Specialty Group, Remote Sensing Specialty Group)***Room: Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)*

ORGANIZER(S): Conghe Song, Univ of North Carolina at Chapel Hill; Xiaodong Chen, University of North Carolina at Chapel Hill; Li An, San Diego State University

CHAIR(S): Conghe Song, Univ of North Carolina at Chapel Hill

**8:00** Yang Shao\*, Virginia Tech, *Assessing impacts of agricultural land use change on water yield and quality for Corn Belt watersheds.***8:20** Chong Liu\*, Wuhan University; Zhenfeng Shao, Wuhan University; Conghe Song, University of North Carolina at Chapel Hill, *The impacts of urbanization on evapotranspiration using WaSSI model in the Yangtze River Delta during 2001-2010.***8:40** Matthew Marsik\*, University of Florida; Marina Alberti, University of Washington; Lucy Hutyrá, Boston University; Jeff Hepinstall-Cymerman, University of Georgia; Hana ?evčíková, University of Washington, *Modeling Land Cover Change in Puget Sound: Implications for Urban Ecosystem Services.***9:00** Conghe Song\*, Univ of North Carolina at Chapel Hill; Yulong Zhang, University of North Carolina at Chapel Hill; Quanfa Zhang, Wuhan Botanical Garden, Chinese Academy of Sciences, *Effects of land use/land cover and climate changes on terrestrial net primary productivity?in the Yangtze River Basin, China,?from 2001 to 2010.***2109. Urban Renewal 1: Changing Places and Changing Perceptions in Challenged Neighborhoods (Sponsored by Urban Geography Specialty Group)***Room: Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)*

ORGANIZER(S): Julie Clark, University of Glasgow; Nicholas Wise

CHAIR(S): Nicholas Wise

**8:00** Charles John Barlow\*, University of Cambridge, *Re-*

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*appropriating urban spaces: mixing up Chicago's public housing.*

**8:20** Georgiana Varna, Dr\*, University of Glasgow, *How public is Glasgow's waterfront regeneration? From urban visions to successful placemaking.*

**8:40** Mark D. Bjelland, Ph.D.\*, Calvin College, *Urban Revitalization in a Neoliberal Key: Successes and Contradictions of Brownfields Redevelopment Public Policies in Michigan.*

**9:00** Amie Thurber, MSW\*, Vanderbilt University, *Who's the resident expert on public housing?*

**9:20** Julie Clark\*, University of Glasgow; Julie Clark, PhD, University of Glasgow; Rebecca Madgin, PhD, University of Glasgow, *Writing the Past into the Fabric of the Present: Urban Regeneration in Glasgow's East End.*

**2110. Peer-Effects and Renewable Energy Technologies: Models, Policies, and Case Studies (Sponsored by Energy and Environment Specialty Group)**

*Room:* Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Marcello Graziano, Scottish Association for Marine Science - UHI

CHAIR(S): Marcello Graziano, Scottish Association for Marine Science - UHI

**8:00** Christina E Hoicka, PhD\*, York University; Judith Lipp, PhD, TREC; James Law, TREC, *From Community Power to Community Conservation: Enhancing the Effectiveness of Conservation Programs through a Captive Audience.*

**8:18** Marcello Graziano\*, University of the Highlands and the Isles, SAMS, *The Influence of Spatial Setting and Socioeconomic Profile of Urban Areas in the Diffusion of Residential PV Systems.*

**8:28** Daniel Gabaldón-Estevan, PhD\*, University of Valencia; Ana Mezquita, Instituto de Tecnología Cerámica & Asociación de Investigación de las Industrias Cerámicas; David Solar, PhD, Instituto de Ingeniería Energética, Universidad Politécnica de Valencia, *Can the ceramic tile industry become greener? Viability analysis for the introduction of biomass in the industry energy mix.*

**8:44** Kerstin Westin\*, Dept of Geography and Economic History /Transportation Reserach Unit, Umeå University; Johan Jansson, Umeå School of Busnienss/Transportation Reserach Unit; Annika Nordlund, Dept of Psychology, /Transportation Reserach Unit, Umeå University, *Attitudes to adoption of electric vehicles and alternative fuel vehicles.*

**9:02** Stephen J. Stadler\*, Oklahoma State University; John Scott Greene, The University of Oklahoma, *The Geography of Opposition to Oklahoma Wind Power.*

**9:20** Johannes Rode\*, TU Darmstadt; Sven Müller, University of Hamburg, *Spatio-Temporal Variation in Peer Effects - The Case of Photovoltaics Adoption in Germany.*

**2111. Gentrification and Neighborhood Change**

*Room:* Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yasna Contreras, Department of Geography, Faculty of Architecture and Planning, University of Chi

**8:00** Adriana Patricia Marín\*, Pontificia Universidad Católica de Chile, *Between belonging and residential vulnerability: Barrio Puerto Neighborhood, Chile.*

**8:20** Qing Liu\*, Guicai Li, *Clarification of collective Land rights based on development right and coordination game: A case of redevelopment of urban-village in Shenzhen.*

**8:40** Luc Guillemot\*, *Urbanity As A Way of Price.*

**9:00** Anne Jégou, Université de Bourgogne - laboratoire Théma; Matthieu Gateau, Université de Bourgogne, Centre Georges Chevrier; Dany Lapostolle, Université de Bourgogne, Laboratoire Théma; Myriam Borel\*,

Maison des Sciences de l'Homme de Dijon, *Densifying suburbs in France: spatial forms and social representations, stakes and stakeholders. The unexpected case of Burgundy and Dijon.*

**9:20** Yasna del Carmen Contreras\*, Department of Geography, Faculty of Architecture and Planning, University of Chi, *Gentrification and degentrification in central Iquique, Chile: Spaces of investment, disinvestment and their coexistence.*

**2113. Beyond the Ivory Tower A: Preparing Geographers for Business and Private Sector Careers (Sponsored by AAG Jobs and Careers Theme, Applied Geography Specialty Group, Business Geography Specialty Group)**

*Room:* Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)

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

CHAIR(S): Michael N. Solem, Association of American Geographers

Discussant(s): Linda A. Peters, Esri; Todd Schuble, University of Chicago; Ashok Wadwani, Applied Field Data Systems, IN; Alan Paul, Giant Angstrom Partners; Herman Kok, Multi / ODTU

**2114. Geographies of Beer, Part I: Theory, Method, and Practice (Sponsored by Cultural and Political Ecology Specialty Group, Wine Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Columbus CD, Hyatt, East Tower, Gold Level (Interactive Short Paper Session)

ORGANIZER(S): Colleen Hiner, Texas State University; Mark Patterson, Kennesaw State University

CHAIR(S): Nancy Hoalst-Pullen, Kennesaw State University

**8:00** Neil Reid\*, University of Toledo; Ralph B. McLaughlin, San Jose State University; Michael S. Moore, University of Toledo, *Brewpubs and Microbreweries: Geographical Patterns and Locational Determinants.*

**8:05** Michael Pretes\*, University of North Alabama; John Murphy, University of North Alabama, *Geospatial Aspects of Beer Laws in the United States.*

**8:10** Mark Patterson\*, Kennesaw State University; Nancy Hoalst-Pullen\*, Kennesaw State University, *Sustainability Trends in the Craft Brewery Industry.*

**8:15** Graham Daly\*, Texas State University, *"What are we drinking?": Exploring the relationship between craft breweries and ecosystem services in Texas.*

**8:20** Christopher Holtkamp\*, Texas State University - San Marcos; Graham Daly, Texas State University - San Marcos; Colleen Hiner, PhD, Texas State University - San Marcos; Thomas Shelton, Texas State University - San Marcos, *'How local is your beer?': Assessing neo-localism via microbreweries and developing a "toolset" for further application.*

**8:25** Thomas C Shelton\*, Texas State University, *Terroir in craft brews.*

**8:30** Thomas L. Bell\*, Univ of TN/Western KY Univ; Scott A. Dobler, Western Kentucky University; Charles J. DeCroix, Mammoth Cave National Park, *The Role of Home Brewing as a Catalyst for Craft Breweries in the Southeastern United States.*

**8:35** Jessica McCallum Breen\*, University of Kentucky, *Crafting culture: the role of brewing and beer in creative place-making.*

**8:40** April Watson, M.A., RPA\*, Florida Atlantic University, *Southern Brew Deserts: Florida, and the Fight for a Taste of Place.*

**8:45** Richard Deal\*, Edinboro University of Pennsylvania, *Tumunu, the Bush Beer Tradition of Aitu, Cook Islands.*

**8:50** Dakota Day Dorn\*, University of Wisconsin - Eau Claire; Miles Oscar Hegg\*, University of Wisconsin - Eau Claire, *Tapping into a Revolution: How Provincialism and Local Hop Production Influence Craft Beer*

**WEDNESDAY, APRIL 22 • 8:00 AM - 9:40 AM • 2100***Culture in Oregon.*

Discussant(s): Innisfree Mckinnon, University of Oregon; Patrick T. Hurley, Ursinus College; Ryan D. Bergstrom, University of Minnesota Duluth; Toby Applegate, University of Massachusetts - Amherst

**2115. Conflict and Cooperation: Beyond the Caucasus to the Pacific (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**

*Room:* Columbus EF, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel S. Trumbull, University of Connecticut  
 CHAIR(S): Jeremy Tasch, Towson University  
**8:00** Edward C. Holland\*, Miami University, *Xenophobia and racism as experienced by Russia's national minorities: Survey results from two republics.*  
**8:20** Doug Foster\*, University of Oregon, *Military Conscription as Domestic Biopower: Oblava and the Culture of Impressment in Tajikistan.*  
**8:40** Andrew Ryder, D.Phil\*, University of Portsmouth, *The hotting up of frozen conflicts?*  
**9:00** Anjali Sehrawat\*, *Ethnic Conflict and Political Transformation in Kyrgyzstan.*  
**9:20** Lasse Martin Koefoed\*, Roskilde University; Maja de Neergaard, Roskilde University, *Mosque conflicts in Denmark.*

**2117. Dimensions of Urbanisation: Resistance, Reform and/or Revolution?**

*Room:* Columbus H, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Bob Catterall, CITY  
 CHAIR(S): Bob Catterall, CITY  
 Panelists: Antonios Vradis; Adam Elliott-Cooper, University of Oxford; Bob Catterall, CITY; Sharon M. Meagher, Widener University

**2118. Joint Editorial Board Meeting**

*Room:* Columbus JJ, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): AAG  
 CHAIR(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign  
 Panelists: Mark Alan Fonstad, University of Oregon; Mei-Po Kwan, University of Illinois at Urbana-Champaign; Bruce Braun, University of Minnesota - Minneapolis; Richard A. Wright, Dartmouth College; Barney Warf, University of Kansas; Kent Mathewson, Louisiana State University; Thomas Hodler, University of Georgia

**2119. Water Utility Innovation as a Response to Climate Change and Sustainability**

*Room:* Columbus KL, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Travis Gliedt, University of Oklahoma; Jeffrey Widener, The University of Oklahoma  
 CHAIR(S): Travis Gliedt, University of Oklahoma  
**8:00** Travis Gliedt\*, University of Oklahoma; Preston Hartman, University of Oklahoma; Jeffrey Widener, University of Oklahoma, *'Unlikely Innovators' Adapt to Climate Change: Transforming Water Utilities in Oklahoma.*  
**8:10** Drew E Bennett\*, Oregon State University, *Institutional challenges to water utility innovation in the development of ecosystem services programs to enhance watershed sustainability.*  
**8:30** Hong Hu\*, University of Pennsylvania, *Analyzing Stormwater Governance for Integrating Green Infrastructure into the Existing Built Environment: the Case of Philadelphia.*  
**8:50** Adam Berland\*, US Environmental Protection Agency; Haynes C. Goddard, US Environmental Protection Agency; Matthew E. Hopton, US Environmental Protection Agency, *Integrating nature into stormwater management: evapotranspiration is central to cost-*

*effective methods.*

**9:10** Laura Brewington\*, East-West Center, *Integrating water users into adaptive planning processes for climate change in Hawaii.*

**9:30** H. Martin Koch\*, University of Oklahoma; Travis J. Gliedt, Ph.D., University of Oklahoma, *Downstream Effects: How Water Conservation Policy Flows from State to Municipal Governments.*

**2120. Geographies of Resilience 1 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Energy and Environment Specialty Group)**

*Room:* Grand A, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Sara Meerow, University of Michigan; Joshua P. Newell, University of Michigan; Emily Boyd  
 CHAIR(S): Sara Meerow, University of Michigan  
**8:00** Emily Boyd, Prof.\*, Reading University, *Geographies of Resilience: Changing perspectives on development through geographies of everyday resilience.*  
**8:20** Keith Andrew Bettinger\*, University of Hawaii, *Resilience and Climate Change Adaptation: A Way Forward, or Merely Treading Water?*  
**8:40** William D. Solecki\*, Hunter College, *Resilience Change in Social-Ecological Systems: A Case Study of Southern Poland during the Early 20th Century.*  
**9:00** Sara Meerow\*, University of Michigan; Joshua P. Newell, University of Michigan, *Urban resilience: Who, what, when, where, why?*  
 Discussant(s): Betsy A. Beymer-Farris

**2121. Author Meets Critic: Tania Li's Land's End: Capitalist Relations on an Indigenous Frontier**

*Room:* Grand B, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Katharine Rankin, University of Toronto  
 CHAIR(S): Katharine Rankin, University of Toronto  
 Discussant(s): Tania Li, University of Toronto  
 Panelists: Alana Boland, University of Toronto; Emily Yeh, University of Colorado; Nicholas Blomley, Simon Fraser University; Vinay Gidwani, University of Minnesota

**2122. Future Mobilities - Methodological and Theoretical considerations**

*Room:* Grand C/D North, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Malene Freudendal-Pedersen, Roskilde University; Sven Kesselring, Aalborg University  
 CHAIR(S): Malene Freudendal-Pedersen, Roskilde University  
**8:00** Sven Kesselring\*, Aalborg University, DK; Malene Freudendal-Pedersen\*, Roskilde University, *Mobilities Futures and the City.*  
**8:20** Mimi Sheller, PhD\*, Drexel University; John Urry, Lancaster University, *The future of the new mobilities paradigm: ten years on.*  
**8:40** Katrine Hartmann-Petersen\*, Roskilde University; Katrine Hartmann-Petersen, ENSPAC, Roskilde University; Katrine Hartmann-Petersen, ENSPAC, Roskilde University, *Creating co-dependent mobilities planning?*  
**9:00** Sharon Wilson, Programme Leader Events\*, University of Sunderland; Sharon Wilson, MA, MSC, University of Sunderland, *Auto-ethnographic experimentation and mobile fieldwork as an emotional and moral dilemma..*  
 Discussant(s): Lauren Wagner, Wageningen University; Alan Latham, University College London

**2123. Degrowth: a vocabulary for a new era**

*Room:* Grand C/D South, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Giorgos Kallis, Universitat Autònoma de Barcelona  
 CHAIR(S): Giorgos Kallis, Universitat Autònoma de Barcelona  
 Introducer: Giorgos Kallis

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Discussant(s): Sarah E. Knuth, Oberlin College; Gavin Bridge, Durham University; Erik Swyngedouw, University of Manchester

Panelists: Max Liboiron, Memorial University of Newfoundland; Simon P J Batterbury, University Of Melbourne; Diego Andreucci, Universitat Autònoma de Barcelona

**2124. Spatial and temporal heterogeneity in ecosystem response to environmental change (I) (Sponsored by Biogeography Specialty Group)**

Room: Grand E/F, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Jonathan M. Duncan, UNC Chapel Hill; Erika Marin-Spiotta; Alexandra Ponette-González, University of North Texas

CHAIR(S): Erika Marin-Spiotta

**8:00** Greg Barron-Gafford\*, University of Arizona; Rebecca L. Minor, M.S., University of Arizona; Maggie Heard, University of Arizona; Daniel L. Potts, State University of New York-Buffalo State, *Capturing Heterogeneity in Carbon & Water Fluxes in Space and Time Across a Semiarid Montane Forest.*

**8:20** Sarah M Halterman\*, University of California - Los Angeles; Daniela Cusack, University of California, Los Angeles; Ed Tanner, University of Cambridge; Ben L Turner, Smithsonian Tropical Research Institute, Panama; S Joseph Wright, Smithsonian Tropical Research Institute, Panama, *Long-term Changes in Soil Carbon with Altered Plant Litter Inputs in a Tropical Forest.*

**8:40** Glen M. MacDonald\*, UCLA; Lauren Brown, UCLA; James Holmquist, UCLA, *Response of Coastal Marshes to Past and Future Sea-Level Rise.*

**9:00** Rebecca L. Powell\*, University of Denver; Christopher J Still, Oregon State University; Michael Goulden, University of California, Irvine; Dar Roberts, University of California, Santa Barbara, *Characterizing spatio-temporal heterogeneity of vegetation surface temperature from canopy to landscape scales: two case studies.*

**9:20** Doug Baldwin\*, Pennsylvania State University; Aaron Dennis, Pennsylvania State University; Erica Smithwick, PhD, Pennsylvania State University, *Assessing changes in regional root zone soil moisture patterns with a spatially-explicit hydrologic data assimilation system.*

**2125. Critical Data, Critical Technology: In Praxis (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cultural Geography Specialty Group)**

Room: Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Ryan Burns, University of Washington; Craig M. Dalton, Bloomsburg University of Pennsylvania; James Thatcher, University of Washington - Tacoma

CHAIR(S): Craig M. Dalton, Bloomsburg University of Pennsylvania

**8:00** Rob Kitchin\*, National University of Ireland Maynooth, *Praxis and Politics of Urban Data: Building the Dublin Dashboard.*

**8:20** Minna Saariketo\*, University of Tampere, Finland, *Outlines of critical technology education.*

**8:40** Jamison R. Miller\*, College of William and Mary, *From Edupunks to Open Policy: Contesting Big Tech from within Higher Education.*

Discussant(s): Shelley Grant, Queen Mary College, University of London; Monica G. Stephens, University at Buffalo

**2126. Eliciting and Representing Discourse: Exploring Alternative Modalities of Interview and Text-Based Geographic Research**

Room: Grand Suite 3, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Chad Newbrough Steacy, University of Georgia; Stefano Bloch, Brown University

CHAIR(S): Chad Newbrough Steacy, University of Georgia

**8:00** Haleema Sadia\*, The University of Manchester, *Constructing self-identity with Transition.*

**8:20** Alexander Karaman\*, University of Arizona, *Digging Tunnels to the Moon: Sonic Affects and the Spatio-Cultural Politics of Palestinian Solidarity.*

**8:40** Abdul Aijaz\*, Indiana University; Abdul Aijaz, Graduate Student, Indiana University, Bloomington, *Water and Power in the Indus Basin: An alternative discourse.*

Discussant(s): Stefano Bloch, Brown University

**2127. CyberGIS Symposium: CyberGIS for Modeling Spatiotemporal Uncertainty (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Guofeng Cao, University of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR(S): Guofeng Cao, University of Illinois at Urbana-Champaign

**8:00** Ick Hoi Kim\*, National University of Singapore, *Positional Uncertainty of Historical Paper Maps.*

**8:20** Guofeng Cao\*, University of Illinois at Urbana-Champaign, *Representing spatiotemporal uncertainty in function spaces.*

**8:40** Ian Kramer\*, USC, *A Spatial Temporal and Contextual Modeling Approach for Assigning Uncertainty to Social Media.*

**9:00** Christopher Amante, M.A. \*, University of Colorado Boulder, *Spatiotemporal uncertainty of sea-level-rise modeling.*

**2128. Lakes and Aquatic Ecosystems**

Room: Plaza A, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Keith West, University of Wisconsin-Marinette

**8:00** Ryan McNair, EWU Student\*, Student, *Bringing Bretz Back to Chicago.*

**8:20** James Rasmussen\*, Aquinas College - Grand Rapids, MI, *An Investigation into the Factors Affecting the Longevity of Floodplain Lakes..*

**8:40** Crystal K. Williams\*, GEOMAP - Illinois State University, *Updating Bathymetric Surveys for Drinking Water Reservoirs.*

**9:00** Chen Kunlun\*, *The morphological change of the Chinese urban lake: East Lake in Wuhan during recent two decades.*

**9:20** Keith D. West, PhD.\*, University of Wisconsin-Marinette, *Environmental and Community Revitalization: Menekaunee Harbor, Wisconsin.*

**2129. Recent Developments in Health Research**

Room: Plaza B, Hyatt, East Tower, Green Level

Organizer: Douglas Richardson, Association of American Geographers

Chair: John Wertman, Association of American Geographers

Speakers:

**Yonette Thomas**, Association of American Geographers, Human Subjects Protection: Proposed Revisions to the Common Rule: Perspectives of Social and Behavioral Sciences

**Jo Ivey Boufford**, The New York Academy of Medicine, International Urban Health Research: Trends and Collaborations

**2130. Geo-Social Data**

Room: Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Xin Li, Columbia University

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**8:00** Cizhen Wu\*, University of South Carolina, *The spatiotemporal distribution patterns of profitable areas for taxi drivers in New York City, U.S.*

**8:20** Christoph Stich\*, University of Birmingham; Emmanoul Tranos, University of Birmingham; Mirco Musolesi, University of Birmingham; Sune Lehman, Technical University of Denmark, *Spatial contexts and their role for behavioral dynamics.*

**8:40** Katarzyna Sila-Nowicka\*, University of St Andrews, University of Glasgow, UK; Jan Vandrol, School of Applied Sciences, Cranfield University, UK; Stewart Fotheringham, GeoDa Centre, Arizona State University, Arizona, USA; Ur?ka Dem?ar, School of Geography & Geosciences, University of St Andrews, Scotland, UK, *The concept of the 'third place' - identifying significant places from GPS trajectories.*

**9:00** Duan-Rung Chen, Ph.D\*, National Taiwan University, *Mapping the Opportunity Structure of Poor Sleep and its Link with Obesity Risk in Taiwan.*

**9:20** Xin Li\*, Columbia University; Bingruo Duan, Columbia University, *Museum Usage of Social Media: Attracting Visitors through Weibo.*

**2131. New Ways of Thinking about Space, Place and Maps (Sponsored by GeoHumanities Theme)**

*Room:* *Columbian, Hyatt, West Tower, Bronze Level (Paper Session)*  
ORGANIZER(S): GeoHumanities  
CHAIR(S): Isis Colon

**8:00** Ann El Khoury, PhD\*, Macquarie University, *Playing ontological politics with globalization: exploring the influence of new cosmologies on agency, space, worlding, mind and method.*

**8:20** Stephen S. Young\*, Salem State University, *Macro or Micro? An Interdisciplinary Exhibition Exploring the Concept of Scale and our Misinterpretation of Scale.*

**8:40** Lea Bauer\*, Leibniz-Institute for Regional Geography (IfL), *Activists' web 2.0 cartographies: a visual tactic within acts of political contention.*

**9:00** Andrew Merrill\*, University of Toronto, *Spectral Songdo: "Absent presents", imaginaries, materiality and the urban at the edge of the virtual.*

**9:20** Isis Colon\*, University of Puerto Rico, Río Piedras Campus, *Thinking about the earth: a philosophical view on how we conceptualize earth.*

**2132. STS and Urban Infrastructure in the South I (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group)**

*Room:* *Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)*  
ORGANIZER(S): Katie Meehan, University of Oregon; Kathryn Furlong, Université De Montréal

CHAIR(S): Kathryn Furlong, Université De Montréal  
**8:00** Katie Meehan\*, University of Oregon, *Infrastructural coexistence and constraint: Water supply and sociotechnical transition in Mexico City.*

**8:20** Nikhil Anand\*, University of Minnesota, *Beyond Breakdown: Infrastructure and the Labor of Maintenance.*

**8:40** Austin Zeiderman\*, London School of Economics and Political Science, *Adaptive Publics: Social Infrastructure and the Politics of the Anthropocene in Bogotá.*

**9:00** Heather Lee Brown\*, Texas A&M University, *"Momentum of malfunction" in groundwater sociotechnical systems for agriculture in Guanajuato, Mexico.*

**9:20** Nancy Odendaal\*, University of Cape Town, *What attachment to place? Exploring the relationship between infrastructure and marginalized spaces in the urban global South.*

**2133. Who's Memory?: The Reconstruction of Historical Geographies for Tourism (Sponsored by Study of the American South Specialty Group)**

*Room:* *Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)*  
ORGANIZER(S): Candace Forbes, The University of Southern Mississippi

CHAIR(S): Candace Forbes, The University of Southern Mississippi

**8:00** Candace Forbes Bright, PhD\*, The University of Southern Mississippi; David L Butler, PhD, The University of Southern Mississippi, *What is a Museum?: The Plantation House and the Social Responsibilities of Museum-hood.*

**8:20** Rajinder S. Jutla\*, Missouri State University, *The Significance of Place Identity in Tourism.*

**8:40** Adrienne Wilson Joergensen, M.Arch\*, ETH Zürich Future Cities Laboratory Singapore, *Imagined Geographies, Surreal Tropicality: The Resort as Architectural Instrumentality.*

**9:00** Nina Roberts\*, Northeastern Illinois University, *Tourism and Gentrification in the Land of Enchantment: The Case of Santa Fe, New Mexico.*

**9:20** Christopher Adam Fullerton\*, Department of Geography, Brock University, *The Changing Tourism Geography of Niagara Falls.*

**2135. Water Resources of the Wind River Range, Wyoming (Sponsored by Cryosphere Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)**

*Room:* *Picasso, Hyatt, West Tower, Bronze Level (Paper Session)*  
ORGANIZER(S): Jeffrey Adam VanLooy, University of North Dakota; Gregory Vandeberg, University of North Dakota; Dorothy Hall, NASA Goddard Space Flight Center

CHAIR(S): Jeffrey Adam VanLooy, University of North Dakota  
**8:00** Mark DeVisser\*, Michigan State University; Andrew Fountain, Dr., Portland State University, *A century of change in the Wind River Range cryosphere.*

**8:20** Dorothy K. Hall\*, NASA Goddard Space Flight Center; Christopher J. Crawford, Oak Ridge Associated Universities; Nicolo E. DiGirolamo, Science Systems and Applications, Inc.; George A. Riggs, Science Systems and Applications, Inc.; James L. Foster, Emeritus, NASA Goddard Space Flight Center, *Detection of earlier snowmelt in the Wind River Range, Wyoming, using Landsat imagery, 1972-2013.*

**8:40** Christopher J. Crawford\*, ORAU / NASA GSFC; Dorothy K Hall, Cryospheric Sciences Laboratory (Code 615), NASA Goddard Space Flight Center; Nicolo E. DiGirolamo, SSAI; George A. Riggs, SSAI; James L Foster, Emeritus, Hydrological Sciences Laboratory (Code 617), NASA Goddard Space Flight Center, *Snowmelt runoff modeling in the Wind River Range, Wyoming using MODIS Collection 6 fractional snow cover.*

**9:00** Gregory Scott Vandeberg\*, University of North Dakota; Jeffrey A VanLooy, University of North Dakota, *Geochemistry of Continental Glacier Meltwater in the Northern Wind River Range, Wyoming.*

**9:20** Gregory S. Vandeberg, Ph.D., University of North Dakota; Jeffrey Adam VanLooy, Ph.D., University of North Dakota, *Continental Glacier meltwater dynamics in the northern Wind River Range, Wyoming.*

**2136. Theorizing and Communicating Climate Change I: Politics and Praxis (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Communication Geography Specialty Group)**

*Room:* *Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)*  
ORGANIZER(S): RDK Herman, National Museum of the American Indian

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CHAIR(S): Gwendolyn Blue, University of Calgary

**8:00** Emma H DeVries\*, Duke University, *Toward a Body Politics of Climate Change*.

**8:20** Daniel Aldana Aldana Cohen, PhD Candidate\*, NYU, *It's the collective consumption, stupid: Re-theorizing urban climate justice and the composition of frontline communities*.

**8:40** Aaron Gregory Young\*, University of California - Berkeley, *Locating the Urban Anthropocene: Displacement through Discourse and Praxis*.

**9:00** Elin Selboe\*, University of Oslo; Bronwyn Hayward, University of Canterbury; Karen L. O'Brien, University of Oslo, *Dutiful, Disruptive, or Dangerous Dissent? Understanding Youth Activism in Climate Change*.

**9:20** Gwendolyn Blue\*, University of Calgary, *Public deliberation with climate change: What role for critical geographers?*.

**2137. Coastal and Marine Issues and Science (Sponsored by Recreation, Tourism, and Sport Specialty Group, Coastal and Marine Specialty Group, Animal Geography Specialty Group)**  
*Room:* Wrigley, Hyatt, West Tower, Bronze Level (Illustrated Paper Session)

ORGANIZER(S): Jennifer L. Rahn, Samford University

CHAIR(S): Jennifer L. Rahn, Samford University

Introducer: Jennifer L. Rahn

**8:03** Brady Romero Navarro\*, Universidad Nacional de Ucayali; Grober Panduro, Universidad Nacional de Ucayali; Kelsen Arbaiza, Universidad Nacional de Ucayali; Jenny Arimuya, Universidad Nacional de Ucayali; Segundo Avalos, Universidad Nacional de Ucayali; Lyan Campos, Universidad Nacional de Ucayali; Nino Manlio, Universidad Nacional de Ucayali; Vianca Meza, Universidad Nacional de Ucayali; Jhovanna Sifuentes, Universidad Nacional de Ucayali; William Portocarrero, Universidad Nacional de Ucayali; Victor Vasquez, Universidad Nacional de Ucayali, *Indigenous Natural Resource Management and the Potential of Ecotourism: A Case Study from the Peruvian Amazon*.

**8:08** Kelsey Lauren Gregg\*, East Carolina University, *Mitigating Environmental, Economic, and Socio-political Impacts on Offshore Wind Farm Planning in North Carolina*.

**8:13** Tara Symone Rodgers\*, University of Oklahoma; Stephen DeMaso, Gulf Coast Joint Venture; Nicholas Enwright, Gulf Coast Joint Venture; Mark Shafer, Southern Climate Impact Planning Program, *Weather Effects on Winter and Fall Waterfowl Habitat in the Gulf Coast*.

**8:18** Henrik Westerkam\*, Northwestern University, *Visitor impacts on the wilderness areas of Katmai National Park, Alaska*.

**8:23** Sarah Bess Jones\*, Duke University, *Maori Self-Determination in Marine Management: The processes, performances, and representations of indigenous rights*.

**8:28** Kevin Czajkowski\*, University of Toledo; Mikell-Lynne Hedley, University of Toledo, *Engaging Geographers and Linking Geography in GLOBE Student Projects*.

**8:33** Karsten A. Shein\*, National Climatic Data Center, *Geographic assessment of climate information over coral reefs*.

**8:38** Jennifer L. Rahn\*, Samford University, *Saba Eco Immersion Program: From College Course to PADI Certification, The Making of a Dive Specialty Course*.

**2138. Engage Locally: Mapping, Documentation, and Community Based Change**

*Room:* Acapulco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Melissa J. Tolene Rura, United Methodist Neighborhood Centers of Memphis

CHAIR(S): Melissa J. Tolene Rura, United Methodist Neighborhood Centers of Memphis

**8:00** Amber J. Boll\*, Georgia State University; Pamela Flores, HELP ORG INC, *Community Mapping in West Atlanta: Serving and Preserving In-Place Residents*.

**8:20** Heather Cook\*, University of Denver; Jessie Dubus\*, University of Redlands; Nicole Ryerson, MA, Georgia State University; Timothy Hawthorne, PhD, Georgia State University; Chelsea Zakas, Georgia State University, *Contextualizing Urban Food: Using Story Maps to Share the Lived Experiences of Urban Atlanta Growers*.

**8:40** Kate Rigot, undergraduate student\*, Metropolitan State University of Denver; University of Colorado Denver, *Public Participation GIS and Homelessness in Denver, CO*.

**9:00** Ahmed Allahwala, PhD\*, University of Toronto Scarborough (UTSC), *Teaching community geography: Opportunities and challenges for undergraduate geography education*.

**9:20** Amy McCloskey, Power Center Academy; Frank Ewing Stewart, Shelby County Archives; Melissa J. Tolene Rura, PhD\*, United Methodist Neighborhood Centers of Memphis, *Historic Marker Mapping in Shelby County TN*.

Discussant(s): Ahmed Allahwala

**2139. National Security and Energy Innovation (Sponsored by Military Geography Specialty Group)**

*Room:* Atlanta, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Mark Read, United States Military Academy

CHAIR(S): Mark Read, United States Military Academy

Introducer: Mark Read

Panelists: Andrew Lohman; William W. Doe, Veterans Green Jobs

**2140. Terrain 1**

*Room:* Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Stuart Elden, University of Warwick; Gaston Gordillo, University of British Columbia

CHAIR(S): Deborah Cowen, University of Toronto

**8:00** Stuart Elden\*, University of Warwick, *The Geophysics of Territory*.

**8:20** Nisha Shah\*, University of Ottawa, *Desiring Walls: Frontier Forts and the Objective of Impermeability*.

**8:40** Teo Ballve\*, UC Berkeley, *Enlisting Nature: A Political Ecology of the Drug War*.

**9:00** Jia Jun Lee\*, Middlebury College, *Spaces of De-/Reterritorialization: The Epistemological Terrain of Indigenous Land Resistance in Baram, Sarawak, Malaysia*.

Discussant(s): Derek Gregory, University of British Columbia

**2141. BRICS in Africa: Shifting Geographies through South-South Cooperation (I) (Sponsored by China Specialty Group, Africa Specialty Group, Development Geographies Specialty Group)**

*Room:* New Orleans, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Ding Fei, University of Minnesota - Minneapolis; Meredith DeBoom, University of Colorado at Boulder

CHAIR(S): Abdi Samatar, University of Minnesota

**8:00** Andrew Brooks\*, King's College London, *BRICS in Mozambique: Is New Economic Dynamism Delivering Urban Development?*.

**8:20** Gabriella Yolanda Carolini, PhD\*, Massachusetts Institute of Technology, *The 'Cooperative' City: Understanding how different forms of international cooperation are shaping sanitation and urban development in Maputo, Mozambique*.

**8:40** Meredith J DeBoom\*, University of Colorado at Boulder, *Extracting South-South Solidarity: BRICS, the State, and Natural Resource Governance in Namibia*.

**9:00** Chen Shen\*, Dr Shen Chen is a researcher assistant at the Fudan University. He is visiting the Centre for Chinese Studies at the Stellenbosch University., *The Role of*

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*BRICS and Africa in the Changing Trade Order.*  
Discussant(s): Padraig Carmody, Trinity College Dublin

## 2142. Economic Geography V - Structure, Collaboration, Performance, and Know-How Transmission (Sponsored by Economic Geography Specialty Group)

*Room:* Regency A, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; David L. Rigby, UCLA

CHAIR(S): Dieter Franz Kogler, University College Dublin

8:00 Susanne Andrea Frick\*, London School of Economics - London; Andrés Rodríguez-Pose, London School of Economics, *Urban Structure and Economic Growth.*

8:20 Magnus Nilsson\*, Lund University; Markus Grillitsch, CIRCLE, Lund University, *Collaboration vs. Spillovers - Growth Patterns of Collaborating Firms in Periphery and Center.*

8:40 Richard Shearmur\*, McGill University; David Doloreux, Telfer School of Management, Ottawa University, *The use of knowledge intensive business services (KIBS) by innovative knowledge intensive services (KIS): some preliminary findings.*

9:00 Michael Fritsch\*, Friedrich Schiller University Jena; Holger Graf, Friedrich Schiller University Jena; Matthias Piontek, Friedrich Schiller University Jena, *Regional Innovation Networks and Innovation Performance over Time - An empirical Investigation.*

Discussant(s): David L. Rigby, UCLA

## 2143. Unmanned Aerial Systems

*Room:* Regency B, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Melissa J. Tolene Rura, United Methodist Neighborhood Centers of Memphis

CHAIR(S): John Van Horn

8:00 Chris Zarzar\*, Mississippi State University; Padmanava Dash, Mississippi State University; Jamie Dyer, Mississippi State University; Lee Hathcock, Mississippi State University, *Development of Spectral-based Classification Schemes Using Unmanned Aerial System Imagery.*

8:20 Jeffrey Miller\*, California State University - East Bay, *iPhone Drone Imagery: Applied Photogrammetry using Drone Technology and the World's Most Popular Camera.*

8:40 Gernot Paulus\*, School of Geoinformation, Carinthia University of Applied Sciences; Karl-Heinrich Anders, School of Geoinformation, Carinthia University of Applied Sciences; Peter Mayr, flussbau iC; Rudi Schneeberger, ViewCopter Studios e.u., *Evaluation and Assessment of Very High resolution UAS-based imagery and Digital Surface Models for Geomorphological Monitoring of River Environments.*

9:00 Jennifer Jensen\*, Texas State University, San Marcos; Adam J Mathews, PhD, Oklahoma State University, *Under-canopy Digital Terrain Model Construction From An Image-based Point Cloud.*

9:20 John Van Horn III\*, Mississippi State University; Padmanava Dash, Dr, Mississippi State University; Jamie Dyer, Dr, Mississippi State University; Lee Hathcock, Mississippi State University, *Potential of Unmanned Aerial Systems Imagery Relative to Landsat Imagery.*

## 2145. The Politics of Desire and Despair: Contextualising Rights in Urban Protests against Displacement in Asia and Beyond (1) (Sponsored by China Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

*Room:* Regency D, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Hyun Bang Shin, London School of Economics and Political Science

CHAIR(S): Hyun Bang Shin, London School of Economics and

Political Science

8:00 Dong-Wan Gimm\*, Seoul National University, *The Tragedy of The Commons As a Cost of Rapid Urbanization in South Korea's Late Industrialization Context..*

8:20 Libby Porter\*, Monash University, *Displacement as Marginalised Property Rights in Australia, Brazil and Chile: Toward a Conceptual Comparative Framework.*

8:40 Anne Haila\*, University of Helsinki, *Property rights and informality: street food sellers in Singapore and Helsinki compared.*

9:00 Yimin Zhao\*, Department of Geography, London School of Economics, *Rightful Resistance in Relational Spacetime: A Case Study of Beijing's Greenbelt.*

9:20 Zhao Zhang\*, University College Dublin, Ireland, *The Fragmented Grassroots Resistance and the "Civilised" Capital Accumulation in "the City of Benevolence".*

## 2146. Energy Transitions I: Analysis (Sponsored by Energy and Environment Specialty Group)

*Room:* San Francisco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Michael Minn, University of Illinois

CHAIR(S): Michael Minn, University of Illinois

8:00 Laura Harding\*, The Pennsylvania State University; Guido Cervone\*, Pennsylvania State University, *Application of the Analog Ensemble Methodology Using Predictor Weighting for Renewable Energy.*

8:20 Dara Seidl\*, San Diego State University, *Comparison of Geomasking Techniques for a European Energy Survey.*

8:40 Fang Wang\*, Guangzhou university, China; Xun Shi, Dartmouth College, USA, *Estimation of Regional liquid biofuel production on marginal land and selection of site for biofuel factories: A case study in Guangdong Province, China.*

9:00 Nurullah Ayyilmaz\*, Turkish Military Academy, Old Dominion University; Omer Faruk Keskin, Turkish Military Academy, Old Dominion University, *Electricity Generation from Ocean Currents on the North Atlantic Ocean.*

9:20 John T. Post\*, University of Massachusetts - Amherst Department of Landscape Architecture and Regional Planning; Ryan Wallace, University of Massachusetts - Amherst Department of Landscape Architecture and Regional Planning, *Does solar energy promote rural economic development?.*

## 2147. From Drought to Climate Change: Water-related Issues in Land Systems Science (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Geographies of Food and Agriculture Specialty Group)

*Room:* Toronto, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Burak Guneralp, Texas A&M University; Jacqueline Vadjunec, Oklahoma State University; Richard J. Aspinall

CHAIR(S): Amy Graham, Oklahoma State University

8:00 Erin L Bunting, Ph.D.\*, U.S. Geological Survey; Seth Munson, Ph.D., U.S. Geological Survey; Miguel Villarreal, Ph.D., U.S. Geological Survey; David Thoma, Ph.D., U.S. National Park Service, *Assessing the Vulnerability of Vegetation to Drought and Climate Change in the Southwestern U.S..*

8:20 Kathryn Wenger\*, Oklahoma State University; Jacqueline Vadjunec, Associate Professor, Oklahoma State University, *Land Change and Vulnerability to Drought: Impact and growth of Center Pivot Irrigation in Union County, NM and Cimarron County, OK.*

8:40 Amy Graham\*, Oklahoma State University, *Drought in the Southern High Plains: The Gendered Nature of Perceptions to Vulnerability and Risk among Populations in Cimarron County, OK and Union County, NM.*



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**9:00** Pablo Santos, PhD\*, Universidade Federal do Oeste da Bahia; Michael J Hill, PhD, University of North Dakota; Laerte G Ferreira, PhD, Universidade Federal de Goiás, *The Rio Vermelho Watershed: A Land Use Science Laboratory for the Brazilian Cerrado*.

**9:20** Hendrik Hänke, Department of Agricultural Economics and Rural Development, Georg-August-Universität, Göttingen; Lowe Börjeson\*, Dept. of Human Geography, Stockholm University; Kristoffer Hylander, Department of Ecology, Environment and Plant Sciences, Stockholm University; Elin Enfors, Stockholm Resilience Centre, Stockholm University, *Resolving the paradox of a rainfall induced greening and increase in drought tolerant vegetation in the West-African Sahel*.

**2148. Street Vendors: Mobility, Entanglements and Claiming Rights to the City.**

*Room:* Crystal A, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Lorena Muñoz, University of Minnesota

CHAIR(S): Karen Franck, new jersey institute of technology

**8:00** Ryan Thomas Devlin\*, John Jay College, *Political Engagement Strategies of Street Vendors in New York*.

**8:20** John C. Jones, New Jersey Institute of Technology; Karen Franck\*, new jersey institute of technology, *Food Trucks: A Changing Feature of Urban Public Space*.

**8:40** Lorena Muñoz\*, University of Minnesota, *Queer Latina Street Vendors: Towards a Relational Mestiza Consciousness*.

**9:00** Sarah Swider\*, Wayne State University, *Reshaping China's Urban Citizenship: Street Vendors, Chengguan and Struggles over the Right to the City*.

Discussant(s): Veronica Crossa, El Colegio de México

**2149. Just green enough 1: Environmental gentrification in the US and beyond**

*Room:* Crystal B, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Trina Hamilton, SUNY - Buffalo; Winifred Curran, DePaul University

CHAIR(S): Trina Hamilton, SUNY - Buffalo

**8:00** Jessica Ty Miller\*, CUNY Graduate Center, *A Legact from Bloomberg Era Policies: Environmental Gentrification in Gowanus, Brooklyn*.

**8:20** Jay Bowen\*, University of Kentucky, *Community Gardening in Seoul as (Non)Developmental Neoliberal Urban Rejuvenation*.

**8:40** Pascale Joassart-Marcelli, PhD\*, San Diego State University; Fernando J Bosco, PhD, San Diego State University, *Farmers' Markets and Gentrification: How the Greening of San Diego's Food System is Transforming Urban Neighborhoods*.

**9:00** Daniel Trudeau\*, Macalester College, *Social Sustainability and the Smart Growth Machine*.

**9:20** Jason A. Byrne\*, Griffith University; Christoph Rupprecht, Griffith University, *It's real, not fake like a park: Informal greenspace as anti-gentrification strategy*.

**2150. The Politics of Fear and the Poetics of Emancipation**

*Room:* Crystal C, Hyatt, West Tower, Green Level (Panel Session)

ORGANIZER(S): Maria Kaika, University of Manchester - Manchester; Julie-Anne Boudreau, INRS-Montreal

CHAIR(S): Julie-Anne Boudreau, INRS-Montreal

Panelists: Maria Kaika, University of Manchester - Manchester; Julie-Anne Boudreau, INRS-Montreal; Lazaros Karaliotas, University of Glasgow; Felipe De Alba, CESOP, Deputies's Mexican Chamber; Sophie Didier, Université Paris 13 / UMR LAVUE-Mosaïques

**2151. Politics of Injustice & Displacement: Organizing People and Producing Place Across Transnational Asia (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Asian Geography Specialty Group)**

*Room:* Stetson A, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel S. Trumbull, University of Connecticut

CHAIR(S): Alexander C. Diener, University of Kansas

**8:00** Jin-Soo Lee\*, Kyung Hee university; Sang-Hyun Chi, Kyung Hee university, *Regional Distribution of Official Development Assistance (ODA) in Korea and Middle Power Discourse*.

**8:20** Stevie Larson, Department of Geography\*, University of North Carolina at Chapel Hill, *Organizing without an anchor: Race-making, space-making, and the many trajectories of Korean adoptee politicization*.

**8:40** David Lukens\*, Central Connecticut State University, *Guryong Village and New-Build Gentrification in Seoul*.

Discussant(s): Stanley Toops, Miami University

**2152. Rural gentrification and its conceptual others (Sponsored by Rural Geography Specialty Group)**

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Panel Session)

ORGANIZER(S): Martin Phillips, University of Leicester;

Darren Smith, Loughborough University

CHAIR(S): Martin Phillips, University of Leicester

Panelists: Holly Barcus, Macalester College; John Hines; Peter B. Nelson, Middlebury College; Martin Phillips, University of Leicester; Darren Smith, Loughborough University; Michael Woods, Aberystwyth University; Hélène DUCROS, North Carolina State University

**2153. Looking Backwards and Forwards in Participatory GIS (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Bandana Kar, University of Southern Mississippi; Rina Ghose, University of Wisconsin Milwaukee

CHAIR(S): Bandana Kar, University of Southern Mississippi

**8:00** Jon Corbett, Associate Professor\*, University of British Columbia-Okanagan; Rachelle Hole, Associate Professor, University of British Columbia Okanagan, *Plain Language Mapping: Rethinking the Participatory Geoweb to Include Users with Intellectual Disabilities*.

**8:20** Greg Brown\*, University of Queensland, *The Vexing Problem of Spatial Aggregation in PPGIS/PGIS/VGI for Sustainable Land Use*.

**8:40** Patrick Oberle\*, Syracuse University, *Web-Mapping Practices and Challenges in Syracuse, NY*.

**9:00** Muning Wang\*, University of Washington; Isabel Carrera Zamanillo, University of Washington, *Assessing and comparing institutional resistance between PGIS and VGI/Citizen Science implementation in local government*.

**9:20** Stephen R Appel\*, University of Wisconsin Milwaukee Department of Geography, *Information Justice and Public Geospatial Data*.

**2154. Sustainability and Urbanization in the North (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* Stetson E, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Scott Stephenson, University of Connecticut;

Kelsey Nyland, George Washington University

CHAIR(S): Timothy Edmund Heleniak, George Washington University

**8:00** Aileen A. Espiritu\*, The Barents Institute The University of Tromsø The Arctic University of Norway, *"Urban Arctic sustainability: measuring city prosperity."*.

**8:20** Hanna Lempinen\*, Arctic Centre, University of Lapland, Finland, *Grasping the Elusive Social: Social Sustainability in/and the Arctic Energyscape*.

**8:40** Andrey N. Petrov\*, University of Northern Iowa; Vera



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Kuklina, Sochava Institute of Geography; Natalia Krasnoshtanova, Sochava Institute of Geography, *Ust'-Kut Reloaded: A New Boom in a BAM City?*.

**9:00** Vera Kuklina\*, Institute of Geography SB RAS; Natalia Krasnoshtanova, Institute of Geography SB RAS; Andrey Petrov, University of Northern Iowa, *The prospects of use of sociotechnical networks for sustainability in remote regions (case-studies in ND, USA and Irkutsk region, Russia)*.

**9:20** Vladimir Didyk\*, Luzin Institute for Economic studies of the Kola Science Centre RAS; Larissa Riabova, Luzin Institute for Economic Studies of the Kola Science Centre RAS, *Strategic planning in the municipalities of the Russian Arctic: practices, problems and prospects*.

**2155. Legal Geographies 4: Law, Colonialism and Capitalism: Indigenous Peoples and Law (Sponsored by Socialist and Critical Geography Specialty Group, Indigenous Peoples Specialty Group)**

**Room:** Stetson F, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Reecia Orzeck, Illinois State University; Tyler McCreary, York University; Joshua Barkan, University of Georgia

CHAIR(S): Tyler McCreary, York University

**8:00** Deborah Rosen\*, Lafayette College, *Trans-Border Conflicts, Indigenous People, and International Law in the Early Nineteenth Century*.

**8:20** Laura Schaeffli\*, Queen's University, *Law, Colonialism, Trade and Borders: the Case of the Canada/U.S. Border in Haudenosaunee Territory*.

**8:40** Paulo Ilich Bacca\*, Paulo Ilich Bacca, *Genocide and Status Quo: The Colombian Case and Indigenous Peoples in International*.

**9:00** Emilie Cameron\*, Carleton University, *Accumulation by Negotiation: Impact and Benefit Agreements (IBAs) and Mining on Indigenous Lands*.

**9:20** Paolo Davide Farah\*, West Virginia University, *Conflict between Intellectual Property Rights and Human Rights: A Case Study on Intangible Cultural Heritage*.

**2156. Political Ecology and Social-Ecological Interactions of Food Production and Systems IV: Resilience (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

**Room:** Stetson G, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Russell Hedberg, Pennsylvania State University; Karl S. Zimmerer, Pennsylvania State University

CHAIR(S): Russell Hedberg, Pennsylvania State University

**8:00** Rachel Bezner Kerr\*, Cornell University; Hanson Nyantakyi-Frimpong, PhD, Western University; Laifolo Dakishoni, Soils, Food and Healthy Communities, Ekwendeni Hospital; Lizzie Shumba, Soils, Food and Healthy Communities, Ekwendeni Hospital; Esther Lupafya, AIDS Program, Ekwendeni Hospital; Rodgers Msachi, Soils, Food and Healthy Communities, Ekwendeni Hospital; Isaac Luginaah, Western University, *Building community resilience through vulnerability and agroecology: participatory action research on climate change adaptation in Malawi*.

**8:20** Deborah Naybor\*, University of Buffalo; Chris Renschler, PhD, University at Buffalo, *Climate Change Resilience among Indigenous Subsistence Farmers*.

**8:40** Marla R. Emery\*, USDA Forest Service; Patrick T. Hurley, Ursinus College; Joana Chan, University of Nebraska, *Food Under Our Feet: (Re)Visioning the Social and Political Ecologies of Urban Food Production*.

**9:00** Karl S. Zimmerer\*, Pennsylvania State University, *Rethinking the Intensification of Global Land Use and Food Systems through Geographic Concepts, Analysis,*

*and Insights*.

Discussant(s): Wendy Wolford, Cornell University

**2157. Geographies of Media VI: Politics, Culture, Identity (Sponsored by Communication Geography Specialty Group)**

**Room:** Addams, Hyatt, West Tower, Silver Level (Paper Session)  
ORGANIZER(S): John Finn, Christopher Newport University; Laura Sharp, University of Arizona; Joseph Palis, North Carolina State University

CHAIR(S): Marcia R. England, Miami University

**8:00** Laura L. Sharp\*, University of Arizona, *Film Geography After the Real/Reel Binary*.

**8:20** Alexander Macleod, MA\*, Newcastle University, *Race and nation in the Malaysian media: The production of politics, the politics of production*.

**8:40** Kristel Anne F. Acedera\*, National University of Singapore; Brenda S.A. Yeoh, Prof., National University of Singapore; Maruja M.B. Asis, Scalibini Migration Center, *Intimate Communication and Reproducing the Family Between Transnational Migrant Mothers and the Left Behind*.

**9:00** Christopher Lukinbeal\*, University of Arizona, *Media as Practice in Joe Arpaio's Old West*.

**9:20** Marcia R. England\*, Miami University, *Fast and Furious Geographies: A Feminist and Cultural Analysis*.

**2158. South Asia: A land of challenges, pathfinders and solutions - I (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group)**

**Room:** Burnham, Hyatt, West Tower, Silver Level (Paper Session)  
ORGANIZER(S): Chandana Mitra, Auburn University

CHAIR(S): Ujjaini Das, University of Georgia

**8:00** Aina S. Niaz\*, Utah State University, *A View from the Periphery: Representations of US Acts of Extra-Territoriality in Pakistani Political Cartoons*.

**8:20** Tine Trumpp\*, University of Cologne, *Urban Heritage and Cultural Governance in the South Asian megacity Delhi, India*.

**8:40** Christabel Devadoss\*, West Virginia University, *Soundscapes and identity formation in the cultural landscape: A case study of Tamil Nadu and Cleveland, OH*.

**9:00** Arup Chattopadhyay\*, National Institute of Electronics & Information Technology, India, *Use of GPS and Hand-held Devices for Data Acquisition in the Agricultural Census of India*.

**9:20** Raj Kapoor Sharma\*, Irrigation and Waterways directorate, Govt of West Be, *Spatio-Temporal Analysis of Irrigation Water Requirements Using Remote Sensing Data: A Case Study in the Damodar Valley Corporation (DVC) Area, India*.

**2159. Assessing Vulnerability for Enhanced Resilience (Sponsored by Hazards, Risks, and Disasters Specialty Group)**

**Room:** Dusable, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Tim G. Frazier, University of Idaho; Laura Kathryn Siebeneck, University of North Texas

CHAIR(S): Tim G. Frazier, University of Idaho

**8:00** Yanjun Cai\*, Department of Urban and Regional Planning, University of Hawaii at Manoa, *The Paradox of Vulnerability: Picturing the Missing Resilience in the Philippines*.

**8:20** Charles Efiog Udosen, Bsc, Msc and PhD\*, University of Uyo, *GIS based vulnerability mapping of land cover/land use changes in relation to trends in land degradation in the Cross River Basin, Southeastern Nigeria*.

**8:40** Brian Pompeii\*, Arizona State University, *Reverse Osmosis on a Small Barrier Island: Transformations of Water, Landscape, and Vulnerability on Ocracoke Island, NC, USA*.

**9:00** Adelle Thomas, PhD\*, College of The Bahamas, *Multiple*

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*Stressors and Small Tourism Enterprises in the Caribbean.*

- 9:20 Yazidhi Bamutaze\*, Makerere University, *Dynamics of soil erosion under varied land use/cover in Rwizi catchment, Lake Victoria Basin: Implications on landscape and livelihood resilience.*

**2160. Taking Account of Culture in the Study of Risk and Disasters, and in Disaster Risk Reduction (DRR) Practice I (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group, Development Geographies Specialty Group)**

Room: *Field, Hyatt, West Tower, Silver Level* (Paper Session)

- ORGANIZER(S): Fred Krueger, University of Erlangen-Nuremberg; Alexandra Titz, Friedrich-Alexander-University Erlangen-Nürnberg  
CHAIR(S): Alexandra Titz, Friedrich-Alexander-University Erlangen-Nürnberg  
8:00 Dean Kyne\*, Arizona State University, *Nuclear Power Risk Culture Undermining Effectiveness of Radiological Emergency Preparedness Plan: A Case Study of Palo Verde Nuclear Generation Station.*  
8:20 Benedikt M. Orłowski, M.A.\*, Institute of Geography, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany, *Staging a disaster and restaging a 'community' - the seismic crisis of El Hierro.*  
8:40 Ronald Louis Schumann\*, University of South Carolina, *Cultures of Recovery: Resilience, Community, and Long-term Disaster Recovery in Coastal Mississippi.*  
9:00 Sarah Bradshaw, Associate Professor of Development Studies\*, Middlesex University, *Bridging the Humanitarian-Development Divide.*  
9:20 Charles J. Kelly\*, *Disaster Management and the Cultures of External Responders.*

**2161. Strategic role of the commons for movements and academics 1: Contesting logics in the politics of commons (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)**

Room: *Horner, Hyatt, West Tower, Silver Level* (Panel Session)

- ORGANIZER(S): Michelle Wenderlich; Amy Braun, University of North Carolina - Chapel Hill - Chapel Hill, NC; Joao Bosco Moura Tonucci Filho, Universidade Federal De Minas Gerais  
CHAIR(S): Michelle Wenderlich  
Panelists: Neera Singh, University of Toronto; Michelle Wenderlich; Michael K. Heiman, Dickinson College; Ryan T. Conway, The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis; Antonio Roman-Alcalá

**2162. PREM: Unpacking the military-humanitarian border**

Room: *McCormick, Hyatt, West Tower, Silver Level* (Paper Session)

- ORGANIZER(S): Glenda Garelli  
CHAIR(S): Glenda Garelli  
8:00 Glenda Garelli\*, UIC; Martina Tazzioli, University of Oulu, Finland, *Refugee subjectivities beyond the camp and the uneven politics of the humanitarian regime..*  
8:17 Rafiul Ahmed\*, Department of Geography Sikkim University, *The Rhetoric of Border: Control of Public Discourses, and Militarization of Mobility in the Indo-Bangladesh Borderlands.*  
8:34 David Feldman, MA\*, University of California at Santa Barbara, *"Humanitarian Intervention" in the Rio Grande Valley: transnational state strategy and the revenge of Comprehensive Immigration Reform.*  
8:51 Austin Crane\*, University of Washington, *Humanitarian Externalization: Managing Migration in Ukraine.*  
9:08 Michael Collyer\*, University of Sussex; Bashair Ahmed, University of Sussex; Markus Breines, University of Sussex; Vanessa Iaria, British Institute in Amman; Elisa Pascucci, University of Tampere, *The 'humanitarian*

*border' in the Mediterranean.*

Discussant(s): Lauren Martin, University of Oulu

**2163. Bikeways and bikesharing (Sponsored by Transportation Geography Specialty Group)**

Room: *Ogden, Hyatt, West Tower, Silver Level* (Paper Session)

- ORGANIZER(S): Julie Cidell, University of Illinois  
CHAIR(S): Adam Wilkinson Davis, University of California  
8:00 Wei-Ting Chen\*, Department of Geography, National Taiwan University, Taiwan; Jen-Jia Lin, Department of Geography, National Taiwan University, Taiwan, *Does a bike-sharing system matter to destination satisfactions of foreign tourists?.*  
8:20 Jen-Jia Lin\*, National Taiwan University; Jun-Tien Lin, National Chiao Tung University; Cheng-Min Feng, National Chiao Tung University, *Locating rental stations and bikeway networks for a public bike system.*  
8:40 Dylan Ari Sandager Hamel\*, University of Wisconsin - La Crosse; Gargi Chaudhuri, University of Wisconsin - La Crosse, *Bike Accessibility in La Crosse, WI.*  
9:00 Taylor Oshan, PhD Student\*, Arizona State University, Geoda Center for Geospatial Analysis and Computation, *Modeling bike share data as spatial interaction.*  
9:20 Adam Wilkinson Davis\*, University of California, Santa Barbara; Jay Lee, University of California, Santa Barbara, *Comparing Bikeshare Programs in Space and Time.*

**2164. Austerity Urbanism: A Discussion of Current Restructuring (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)**

Room: *Wright, Hyatt, West Tower, Silver Level* (Panel Session)

- ORGANIZER(S): Mark Davidson, Clark University; William Kutz, University of Manchester  
CHAIR(S): Mark Davidson, Clark University  
Discussant(s): Kathe Newman, Rutgers University  
Panelists: Jamie Peck, University of British Columbia; Kevin Ward, University of Manchester; William Kutz, University of Manchester; Yunji Kim, Cornell University; Lucas Owen Kirkpatrick, University of Michigan

**2165. Identity, Memory, and the Politics of Place Naming (Sponsored by Landscape Specialty Group, Ethnic Geography Specialty Group)**

Room: *Michigan A, Hyatt, East Tower, Ped Path* (Paper Session)

- ORGANIZER(S): Eri Kitada; Catherine E. Lee, University of Hawaii at Manoa  
CHAIR(S): Eri Kitada  
8:00 Muharem Cerabregu\*, University of Prishtina, *Names or Personae in the Illyrian peninsula from Classical to Modern times.*  
8:20 Catherine E. Lee\*, University of Hawaii at Manoa; Katie Drager, Ph.D., University of Hawaii at Manoa; Clinton Awai, University of Hawaii at Manoa; Jonny Kim, University of Hawaii at Manoa; M. Joelle Kirtley, University of Hawaii at Manoa, *Ethnic Identity and the Pronunciation of Hawaiian Place Names on O'ahu.*  
8:40 Michelle Marie Metro-Roland, Ph.D.\*, Western Michigan University, *Remembering & Forgetting: The Difficulty with Toponyms.*  
9:00 Eri Kitada\*, University of Tokyo, *Consumption of Renamed Streets: the Politics of Race and Space.*  
Discussant(s): Reuben S. Rose-Redwood, University of Victoria

**2166. The Financialization of City-making: Articulating critical perspectives (1)**

Room: *Michigan B, Hyatt, East Tower, Ped Path* (Paper Session)

- ORGANIZER(S): Antoine Guironnet, LATTS, Université Paris-Est; Ludovic Halbert, University Paris-Est, LATTS  
CHAIR(S): Thierry Theurillat

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Introducer: Ludovic Halbert

**8:20** Colin Lizieri, Professor, University of Cambridge; Kathy Pain, Professor\*, University of Reading, *International office investment networks and capital flows in the financialization of city space*.

**8:40** Rob Call, MCP Candidate '16\*, MIT, *Blackstone and the Re-Financialization of the Single-Family Home*.

**9:00** Daniel M. Sanfelici\*, Capes and LATTs, *Speculation and spatial selectivity in the strategies of real estate investment trusts in Brazil*.

**9:20** Pierre Bouché, GIS Engineer\*, LATTs, Paris-Est University, *Investing in the urban built environment: the selective practices of fund managers*.

## 2167. Historical Geographies of Race, Captivity, and Survival (Sponsored by Historical Geography Specialty Group)

*Room:* Michigan C, Hyatt, East Tower, Ped Path (Paper Session)  
ORGANIZER(S): Anne Kelly Knowles, Middlebury College  
CHAIR(S): Christina E. Dando, University of Nebraska-Omaha  
**8:00** Douglas L. Allen\*, Florida State University, *The Neo-Lost Cause: Creating Modern Faithful Slave Monuments on the Southern Landscape*.

**8:20** Brittany Meché\*, University of California - Berkeley, *Memories of Birmingham and the Captive Geographies of Empire*.

**8:40** Aretina Hamilton\*, Ohio University, *If They Gunned Me Down: Spaces of Terror and The Price of Black Male Citizenship in the Age of Post Racial America..*

**9:00** Seth Ryan Kudym\*, University of Nebraska - Omaha, *Mobilities and the Holocaust: Journeys through Minsk*.

## 2168. Author meets interlocutors -- Isaac West's "Transforming citizenships: Transgender articulations of the law" (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

*Room:* Roosevelt, Hyatt, East Tower, Ped Path (Panel Session)  
ORGANIZER(S): David K. Seitz, University of Toronto  
CHAIR(S): David K. Seitz, University of Toronto  
Discussant(s): Isaac West, University of Iowa  
Panelists: Derek Ruez, University of Kentucky; Petra L. Doan, Florida State University; Amy A. Dobrowsky, University of Washington

## 2169. Climate Specialty Group Student Paper Competition (Sponsored by Climate Specialty Group)

*Room:* Randolph, Hyatt, East Tower, Ped Path (Paper Session)  
ORGANIZER(S): Lei Meng, Western Michigan University  
CHAIR(S): Lei Meng, Western Michigan University  
**8:00** Kathrin Häb\*, Computer Graphics and HCI Group, University of Kaiserslautern, Germany; Ariane Middel, Julie Ann Wrigley Global Institute of Sustainability, Arizona State University, USA; Benjamin L. Ruddell, The Polytechnic School, Arizona State University, USA, *Classifying Urban Microclimate Patches Based on Multitemporal Mobile Transect Observations*.

**8:20** Cody Frick\*, Shippensburg University; Timothy W Hawkins, Shippensburg University, *A Spatiotemporal Analysis of Tropical Cyclone Tracks in the Atlantic Basin: 1970-2013*.

**8:40** Jose Javier Hernandez Ayala\*, University of Florida, *Contribution of Tropical Cyclones to the Rainfall Climatology of Puerto Rico*.

**9:00** Karen Lee Russ, Ph.D. Candidate\*, University of Wisconsin - Madison, *Paleohydrological cycle response to isolated climate forcings*.

**9:20** Yaqian He\*, Department of Geology and Geography, West Virginia University; Eungul Lee, Department of Geology and Geography, West Virginia University, *Empirical relationships of oceanic heat sources and vegetation activity with summer rainfall over the Sahel*.

## 2173. Thermal Modernities

*Room:* Lucerne 1, Swissôtel, Lucerne Level (Panel Session)  
ORGANIZER(S): Tim Winter, DEakin University  
CHAIR(S): Donald McNeill, University of Western Sydney  
Panelists: Gordon Walker, LANCASTER UNIVERSITY; Russell S. Hitchings, UCL; Jiat-Hwee Chang, National University of Singapore; Tim Winter, DEakin University

## 2174. Spatiotemporal Symposium: Emerging Topics in Data-driven Geography (1) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

*Room:* Lucerne 2, Swissôtel, Lucerne Level (Paper Session)  
ORGANIZER(S): Bo Zhao, The Ohio State University; Song Gao, UC Santa Barbara

CHAIR(S): Linna Li, California State University, Long Beach  
**8:00** Zhenghong Tang\*, University of Nebraska-Lincoln; Yanfu Zhou, University of Nebraska-Lincoln; Hongfeng Yu, University of Nebraska-Lincoln, *Integrate Citizen Science and Environmental Big Datasets for Environmental Conservation: A Case Study for "Nebraska Wetland" Mobile Information Platform*.

**8:17** Bo Zhao\*, The Ohio State University; Daniel Z Sui, The Ohio State University, *Detecting Location Spoofing in Social Media using Geographic Knowledge*.

**8:34** Michael R. Ratcliffe\*, U.S. Bureau Of the Census, *Virtual Canvassing: In-Office Methods for Validating the Census Bureau's Address List for the 2020 Census*.

**8:51** Willard Schulmeister\*, State University of New York at Buffalo, *Children and Web 2.0*.

Discussant(s): Daniel Z. Sui, The Ohio State University; Harvey J. Miller, The Ohio State University

## 2175. Settler Colonialism and the City: Unsettling Planning and the Welfare State (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group, Indigenous Peoples Specialty Group)

*Room:* Lucerne 3, Swissôtel, Lucerne Level (Paper Session)  
ORGANIZER(S): Daniela Aiello, Simon Fraser University; Jessica Hallenbeck, University of British Columbia; Natalie Knight

CHAIR(S): Jessica Hallenbeck, University of British Columbia

**8:00** Janice Barry\*, *"Won't you be my neighbour?" Urban Reserves, Treaty Settlements Lands and the Discursive Construction of Municipal-First Nation Planning Relations*.

**8:20** Silvia L. Vilches\*, Royal Roads University, *Neoliberal Welfare Reform and Creative Dreams: Aboriginal Women in the Space Between*.

**8:40** Lyana Marie Patrick\*, University of British Columbia, *Dis/connection in 21st Century Vancouver: Local Government Planning and Indigenous Resistance to Dispossession*.

**9:00** Julie Tomiak\*, Ryerson University, *Unsettling Ottawa: Settler Colonialism, Indigenous Resistance, and the Politics of Scale*.

Discussant(s): Jessica Hallenbeck, University of British Columbia

## 2176. Latin American Political Geography

*Room:* Alpine 1, Swissôtel, Lucerne Level (Paper Session)  
ORGANIZER(S): Program Committee  
CHAIR(S): Christian Pettersen  
**8:00** Guilherme Felix Machado Filho\*, UFRJ, *An analysis of political representation in Brazil: the federal deputies, and the political militancy..*  
**8:20** Judith Wiemann\*, University of Cologne, *No Party without Guests! - Participatory Budgeting in Mexico City*.  
**8:40** Rubens Gusmão\*, Universidade Federal Do Rio De Janeiro, *Ways towards pacification: Building political spaces in the communities of Rio de Janeiro - The Dona Marta*

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case..

**9:00** Eduardo Nogueira Souza\*, Universidade Federal do Rio de Janeiro, *Democracy and the Construction of Political Spaces in Rio de Janeiro*.

**9:20** Christian Pettersen\*, The University of Georgia, *Overlapping Instructions: Representations of Conflict on the Streets of Guatemala City*.

**2177. Carceral Geographies VI: (Re)defining Boundaries 2**

*Room:* Alpine 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Jennifer Turner, University of Leicester; Dominique Moran, University of Birmingham

CHAIR(S): Jennifer Turner, University of Leicester

**8:00** Nathan Wolf Kahn\*, SUNY - Geneseo, *Public Memory, Landscape, and Historic Carcerality at the Groveland Correctional Facility*.

**8:20** Oriane Simon\*, UNSW in Canberra, *Extraordinary Rendition's Transfers in Ambiguous Spaces*.

**8:40** Vanessa Anne Massaro\*, Bucknell University, *Prison's revolving door and the porous boundaries of carceral spaces*.

**9:00** Stephen Averill Sherman, MUP\*, University of Illinois (Dept Urban & Regional Planning), *Why Drug-Free School Zones are Bad for Communities: Evaluating sentence enhancement zone outcomes across urban forms*.

Discussant(s): Dominique Moran, University of Birmingham

**2178. Retail and Business Geography I (Sponsored by Business Geography Specialty Group)**

*Room:* Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Tony Hernandez, Ryerson University; Murray Rice, University of North Texas

CHAIR(S): Tony Hernandez, Ryerson University

**8:00** Amanda Regan, JLL; Murray Rice\*, University of North Texas, *Does Store Size Matter? Assessing the Role of Small-Format Grocers in Defining Dallas' Food Deserts*.

**8:15** Ling Zhang\*, University of Utah, *The Internationalization of Japanese Retailing in Greater China: Shifting Focus, Limited Success and Challenging Future*.

**8:30** Michael Chrobok\*, University of Toronto, *Disrupting the Food Desert/Oasis Binary: Ethnic Grocery Retailers and Food Access in Humbermede, Toronto*.

**8:45** Christopher Daniel\*, Ryerson University - CSCA; Tony Hernandez, Ph.D., Ryerson University - CSCA, *The Mixed Use Challenge: Turning Tides of Retail Development*.

**9:00** Lawrence Joseph\*, West Marine, *Gentrification and Retail Growth in Chicago's Cabrini-Green Neighborhood*.

**9:15** Stephen Swales\*, Ryerson University; Wayne Forsythe, Ryerson University, *The Polarizing Canadian Market: High-end Retail Change*.

**2179. Historical Spatial Epidemiology Panel (Sponsored by Health and Medical Geography Specialty Group)**

*Room:* St. Moritz, Swissôtel, Lucerne Level (Panel Session)

ORGANIZER(S): Brian Bossak, Florida Gulf Coast University; Mark Welford, Georgia Southern University

CHAIR(S): Brian Bossak, Florida Gulf Coast University

Panelists: James L. Wilson, Northern Illinois University; Amanda Weber, Oklahoma State University

**2180. Empty Session (Sponsored by Asian Geography Specialty Group)**

*Room:* Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Chung-Tong Wu, University of Western Sydney; Marion SABRIE, EHESS/ Center for Southeast Asian Studies (Paris)

CHAIR(S): Marion SABRIE, EHESS/ Center for Southeast Asian Studies (Paris)

**2181. Tourism, memory and place (Sponsored by Recreation, Tourism, and Sport Specialty Group)**

*Room:* Verbier, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Anne-Marie D'Hautesserre, University of Waikato

CHAIR(S): Anne-Marie D'Hautesserre, University of Waikato

**8:00** Nitasha Sharma, Doctoral Student\*, Indiana University, *Dark Tourism, memory and Shamanistic rituals in Mayong (India)*.

**8:20** Sara Barrasa Garcia\*, UNAM-Centro Inv Geografia Ambiental, *Landscape of Memory*.

**8:40** Tamara Ratz\*, Kodolanyi Janos University of Applied Sciences; Gabor Michalko, Hungarian Academy of Sciences, Research Centre for Astronomy and Earth Sciences, Geographical Institute; Reka Keszeg, ELTE - Kodolanyi Janos University of Applied Sciences, *The Role of Memorable Travel Experiences in National Identity Building - An Assessment of Cross-border School Trips in Hungary*.

**9:00** Samuel Henkin\*, University of Kansas, *Post Memory and the Geographies of Life and Death: Krang Tachan, Cambodia*.

**9:20** Anne-Marie d'Hautesserre\*, University of Waikato, *Memory, Affect and Tourism*.

**2183. Authors-Meet-Critics: "Suburban Governance: A Global View" (Hamel and Keil)**

*Room:* 200 Classroom, University of Chicago Gleacher Center, 2nd Floor (Panel Session)

ORGANIZER(S): Ute Lehrer, York University

CHAIR(S): Ute Lehrer, York University

Introducer: Shubhra Gururani

Discussant(s): Markus Hesse, University of Luxembourg; Roger Keil, York University

Panelists: Andrew E.G. Jonas, University of Hull; Bernadette Hanlon, Ohio State University; Jennifer Robinson, University College London; Jan Nijman, University of Amsterdam; Dirk Heinrichs; Ute Lehrer, York University

**2184. Biofuels, Bioenergy, and the Emerging Bio-Economy I: Visions (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**

*Room:* 203 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Peter Kedron, Ryerson University; Jennifer Baka, London School of Economics; Kirby Calvert

CHAIR(S): Kean Birch, York University

**8:00** Maria Angela Backhouse\*, FU Berlin, *Green Grabbing in the Bio-Economy*.

**8:20** Kean Birch\*, York University; Emily Simmonds, York University, *Transitioning from a fossil(-ized) economy to bio-based economy in Canada?*.

**8:40** Morey Burnham\*, State University of New York ESF; Theresa Selfa, State University of New York ESF; Andrea Feldpausch-Parker, State University of New York ESF; Clare Hinrichs, Penn State University, *Bioenergy Niches: Narratives of Sustainability in Sociotechnical Transitions*.

**9:00** Weston Eaton\*, Michigan State University, *Naturalized and contested bioenergy: Constructing the problematics and nonproblematics of renewable energy development*.

**9:20** Carol Hunsberger\*, University of Western Ontario, *Explaining Bioenergy: Narratives of Jatropha Before and After Disappointing Results*.

**2185. Central American 'Crisis' Revisited 1: Crises of social reproduction (Sponsored by Political Geography Specialty Group, Latin America Specialty Group, Development Geographies Specialty Group)**

*Room:* 204 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

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ORGANIZER(S): Zoe Pearson, Ohio State University; Kendra McSweeney, The Ohio State University; Brian Williams, The University of Georgia

CHAIR(S): Zoe Pearson, Ohio State University

**8:00** Lindsey Carte, Utah State University; Claudia A. Radel\*, Utah State University; Birgit Schmook, El Colegio de la Frontera Sur; Lisa Green, Utah State University, *Mobility and Smallholder Food Security: Circular Subsistence Migration in Northwestern Nicaragua*.

**8:20** Richard Johnson\*, *Debt Landscapes: Migration, Border Security, and Dispossession in Rural Guatemala*.

**8:40** Christopher Bacon\*, Santa Clara University; Christopher M Bacon, PhD, Department of Environmental Studies and Sciences, Santa Clara University; William Sundstrom, Department of Economics, Santa Clara University; Iris Stewart-Frey, Department of Environmental Studies and Sciences, Santa Clara University, *The Coffee Leaf Rust Outbreak, Food Security Vulnerabilities, and Response in Nicaragua*.

**9:00** Joseph H. Bryan\*, Department of Geography, University of Colorado, Boulder, *Awes Tingni, Land Titling, and the Limits of Indigeneity*.

Discussant(s): Matthew John Taylor, University of Denver

**2186. Cartography in and out of the Classroom: Current Educational Practices (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)**

Room: 300 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Amy Griffin, UNSW Canberra; Kenneth Field, Esri; Rui Li, SUNY - Albany

CHAIR(S): Patrick J. Kennelly, LIU Post

**8:00** Pontus Hennerdal\*, Stockholm University, *Learning to Understand Map Projections with a Computer Game*.

**8:20** Jeff Howarth\*, Middlebury College; Katrina Schweikert, Middlebury College, *You either get it or you don't: a preliminary investigation of relationships between abilities to learn GIS and think spatially*.

**8:40** Cynthia A Brewer\*, Pennsylvania State University; Elaine M Guidero, Pennsylvania State University; Aaron P Dennis, Pennsylvania State University; Bill Pongpichaya Limpisathian, Pennsylvania State University; Charlie Frye, Esri; Paulo Raposo, Pennsylvania State University, *Making a New Edition of "Designing Better Maps"*.

**9:00** David Fairbairn\*, Newcastle University, *Professional accreditation of cartographic practice*.

**9:20** Kenneth Field\*, Esri, *Cartography is "insert here"*.

**2187. Fluvial Geomorphology 1: Forms and Processes (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)**

Room: 303 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Lisa Davis, University of Alabama; Inci Guneralp, Texas A&M University

CHAIR(S): Inci Guneralp, Texas A&M University

**8:00** Peng Gao\*, Syracuse University; Justin Hartnett, Syracuse University, *The cause of a historical flooding event in Oneida Creek Watershed, central New York*.

**8:20** Yuhai Bao\*, Institute of Mountain Hazards and Environment, CAS; Peng Gao, Department of Geography, Syracuse University; Xiubin He, Institute of Mountain Hazards and Environment, CAS, *Soil erosion dynamic in the riparian zone of China's Three Gorges Reservoir*.

**8:40** Aaron Zettler-Mann\*, University of Oregon, *Quantifying Human Impacts on River Bar Morphology Using Digital Photogrammetry*.

Discussant(s): Inci Guneralp, Texas A&M University

**2188. Making Other Worlds Possible VI: Placing Diverse Economies in Practice (Sponsored by Cultural Geography Specialty Group, Economic Geography Specialty Group)**

Room: 304 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Julian S. Yates, University of British Columbia  
CHAIR(S): Paul Robbins, Nelson Institute for Environmental Studies, University of Wisconsin

**8:00** Elsie Lewison\*, University of Toronto, *Locating Value in High Value Agriculture: Apple-led development in Jumla, Nepal*.

**8:20** Robert Snyder\*, York University, *Bridging diverse economies practice and discourse*.

**8:40** Olivia R. Williams\*, Florida State University Dept of Geography, *Implications of the community land trust model for alternative land ownership*.

**9:00** Lindsay Naylor\*, George Washington University, *Rethinking Food Sovereignty: Diverse Economies and Self-declared Autonomy in Highland Chiapas*.

**9:20** Julian S. Yates\*, University of British Columbia, *'Other-worldliness' in the Peruvian Andes? The 'Kamayoc' and Communitarian Forms of Political-economic Integration*.

**2189. Geographies of Activism and Protest I (Sponsored by Cultural Geography Specialty Group)**

Room: 306 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Patricia Burke Wood, York University; Richard White, Sheffield Hallam University

CHAIR(S): Richard White, Sheffield Hallam University

**8:00** Patricia Burke Wood\*, York University, *Occupy is Dead, Long Live Occupy: Thoughts on the geographies of the city and "real democracy"*.

**8:20** Narciss M. Sohrabi\*, universite parisX, *Public space between cooperation and conflict*.

**8:40** Hannah Awcock\*, Royal Holloway, University of London, *The Battle of Cable Street: Space, Place and Protest in London*.

**9:00** Pelin Asci\*, York University, *Making of the Square: Taksim Square and Gezi Park Protests in Istanbul*.

**9:20** Simon Runkel\*, University of Bonn, Dept. of Geography, *Crowded geographies: the politico-affective dimension of emerging collectivities in urban spaces*.

**2190. Spatial Data Mining and Big Data Analytics (5) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**

Room: 406 Classroom, University of Chicago Gleacher Center, 4th Floor (Panel Session)

ORGANIZER(S): Diansheng Guo, University of South Carolina; Harvey J. Miller, The Ohio State University

CHAIR(S): Diansheng Guo, University of South Carolina

Panelists: May Yuan, University of Texas - Dallas; Paul A. Longley, University College London; Budhendra Bhaduri, Oak Ridge National Laboratory; Luc Anselin, Arizona State University; Donna J. Pequet, Pennsylvania State University

**2191. Unequal Neighborhoods 1; Race, Immigration and Urban Space (Sponsored by Population Specialty Group)**

Room: 422 Classroom, University of Chicago Gleacher Center, 4th Floor (Paper Session)

ORGANIZER(S): Pablo Mateos, CIESAS

CHAIR(S): Heather Moody, Michigan State University

**8:00** Henri Briche\*, University of Saint-Etienne, *Urban Decline and Residential Trajectories: How Minorities Try to Make Their Way Out of Poverty. The Case of Detroit*.

**8:20** Russell Miles Smith, Ph.D.\*, Winston-Salem State University; Leora Waldner, Ph.D., Troy University, *Cities of Color: Municipal Incorporation of Minority*

**WEDNESDAY, APRIL 22 • 8:00 AM - 9:40 AM • 2100***Communities in the United States.*

**8:40** Justin Steil\*, Columbia University, *Judging Jim Crow: Judicial Conceptions of Social Rights and Property Rights.*

**9:00** Alyson Prabhu\*, Queen's University, *Accessing English Language Education in Urban Immigrant Gateways: The Case of Ottawa.*

**9:20** Heather Moody, MPA, PhD\*, Siena Heights University; Joe T. Darden, PhD, Michigan State University; Bruce Wm Pigozzi, PhD, Michigan State University, *The Racial Gap in Childhood Blood Lead Levels Related to Socioeconomic Position of Residence In Metropolitan Detroit.*

**2192. Geosimulation and Big Data: A Marriage made in Heaven or Hell? (I)**

*Room:* 600a Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Nick Malleon, University of Leeds

CHAIR(S): Nick Malleon, University of Leeds

**8:00** Atsushi Nara\*, San Diego State University, *A GPGPU approach for simulating and analyzing human dynamics.*

**8:20** Kira Kowalska\*, University College London; John Shawe-Taylor, Professor, University College London; Paul Longley, Professor, University College London, *Data-driven modelling of police patrol activity.*

**8:40** Martin Zaltz Austwick\*, University College London; Gustavo Romanillos Arroyo, TRANSyT - Transport Research Centre Complutense University of Madrid; Borka Moya-Gomez, TRANSyT - Transport Research Centre Complutense University of Madrid, *Simulating Rush Hour Bicycle Traffic in Madrid.*

**9:00** Hai Lan\*, University of Maryland College Park; Paul Torrens, University of Maryland College Park, *Voxel based Cellular Automata with massive cells for Geo-simulation: Ice dynamics simulation in Antarctic locations as example.*

**9:20** Philippe J. Giabbanelli\*, University of Cambridge; Thomas Burgoine, PhD, University of Cambridge; Pablo Monsivais, PhD, University of Cambridge; James Woodcock, PhD, University of Cambridge, *Using big data to develop individual-centric models of food behaviours.*

**2193. Placing Education 1: Thinking Political Economy and Society Through Education Practice and Reform**

*Room:* 600b Classroom, University of Chicago Gleacher Center, 6th Floor (Panel Session)

ORGANIZER(S): Dan Cohen, University of British Columbia; Christopher Lizotte, University of Washington

CHAIR(S): Dan Cohen, University of British Columbia

Discussant(s): Eugene McCann, Simon Fraser University

Panelists: Pauline Lipman; Katharyne Mitchell, University of Washington; Ranu Basu, York University; Kalervo Gulson, University of New South Wales; Kristopher N. Olds, University of Wisconsin-Madison

**2194. Food Justice Scholar-Activist Community of Praxis (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* 602 Classroom, University of Chicago Gleacher Center, 6th Floor (Panel Session)

ORGANIZER(S): Kristin Reynolds, The New School for Public Engagement

CHAIR(S): Daniel R. Block, Chicago State University

Discussant(s): Garrett Graddy-Lovelace, American University School of International Service; RDK Herman, National Museum of the American Indian

Panelists: Julian Agyeman, Tufts University; Katharine Bradley, UC Davis; Henry Herrera, Center for Popular

Research, Education and Policy; Tracey Osborne, University of Arizona; Kristin Reynolds, The New School for Public Engagement

**2195. Heritage and changing environments I: dynamic consequences**

*Room:* 604 Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Frances Rylands, University of Exeter; David Harvey, University of Exeter (UK); Caitlin DeSilvey, University of Exeter

CHAIR(S): Frances Rylands, University of Exeter

**8:00** David Harvey\*, University of Exeter (UK); Jim Perry, Professor, University of Minnesota, *Heritage and Climate Change Relations: Loss, Adaptation and Creativity.*

**8:20** Kaisa J. Raatikainen, MSc\*, University of Jyväskylä; Elizabeth S. Barron, University of Wisconsin - Oshkosh, *The management and significance of traditional rural biotopes for agricultural livelihoods in Finland.*

**8:40** Creighton Connolly, M.A. \*, The University of Manchester, *Whose landscape, whose heritage? The edible birds' boom in George Town, Malaysia.*

**9:00** Maja Lagerqvist\*, Department of Human Geography, Stockholm University, *The Shape of The World To Come? Heritage Practices In The Republic of Ireland Since The Late 2000's Economic Crisis.*

**2197. Responses to State Co-Opted Movements from Below**

*Room:* 621 Executive Dining Room, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Akira Drake Rodriguez; Pierson Nettling, Concordia University

CHAIR(S): Akira Drake Rodriguez

**8:00** Bokyoung Shin\*, University of Helsinki, *Urban governance and city branding: A comparative study of World Design Capital in Helsinki and Seoul.*

**8:20** Gavin Parker, Prof\*, University of Reading, *The Rescripting of Neighbourhood Plans: experiences from England.*

**8:40** Akira Drake Rodriguez\*, Rutgers University, *What Happened to Tenant Activism? An Examination of Tenant Associations During Atlanta's Public Housing Demolition.*

**9:00** Carolyn F. Thompson\*, Macquarie University, *From the Bottom-Up: Contesting Urban Redevelopment in Sydney and New York.*

**9:20** Tom Howard, MA\*, University of British Columbia, *Green City Limits: Interrogating Post-Politics and Sustainability-Oriented Policymaking in Calgary.*

**WEDNESDAY, APRIL 22 • 10:00 AM - 11:40 AM • 2200****2201. Pyrogeography II: Fire Histories 2 (Sponsored by Cultural and Political Ecology Specialty Group, Remote Sensing Specialty Group, Biogeography Specialty Group)***Room:* Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Paul Laris, CSU Long Beach; Brian I. Magi, UNC Charlotte; Leif Brottem, University of Wisconsin- Madison

CHAIR(S): Michael R. Coughlan, University of Georgia

**10:00** Michael R. Coughlan, PhD\*, University of Georgia; Ted L. Gragson, PhD, University of Georgia; David S. Leigh, PhD, University of Georgia, *Place-based investigation of the role of agropastoral fire use in forest-grassland transition in the Northwest Pyrenees using archaeological and biogeological archives..***10:20** Martha Green\*, University of Wisconsin - Platteville; Benjamin Matthys, University of Wisconsin-Platteville; Evan Larson, Ph.D., University of Wisconsin-Platteville, *Fire history of Castle Mound Pine Forest State Natural Area: Fire history at the edge of the Driftless Area in central Wisconsin.***10:40** Tera Marie Del Priore\*, University of Colorado - Denver; Christy E. Briles, PhD, University of Colorado Denver, *4,000 Years of Environmental Change in Central Colorado: A Paleoecological Perspective.***11:00** Megan K. Walsh\*, Central Washington University; Michael Lukens, Rocky Mountain National Park, *Reconstruction of the post glacial fire and vegetation history of Sunrise Ridge, Mount Rainier National Park, Washington.***11:20** Peter Ngugi Kamau\*, Louisiana State University, *Elephants, Fires and Landscape Change in Tsavo Kenya.***2202. Rail Landscapes (Sponsored by Transportation Geography Specialty Group)***Room:* Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Michael Minn, University of Illinois

CHAIR(S): Michael Minn, University of Illinois

**10:00** Taylor E. Mack\*, Louisiana Tech University, *Honduras's First Railroad Contract, 1854: Transcription, Context, and Template for Trans-Isthmian Dreams..***10:20** Kevin J. Patrick\*, Indiana University, *Early Diners in a Railroad World.***10:40** Dylan Brady\*, University of Oregon, *Nationalism, Infrastructure, Territory: Rail and the sociomateriality of the national scale.***11:00** Kevin Manaugh\*, McGill University; Geoffrey Battista, McGill University, *Gendered impacts of mass transit: Riyadh metro system as agent of social change?.***11:20** Kenneth Johnson\*, SUNY-Oneonta, *An Evaluation of High-Speed Rail Proposals for U.S.A..***2205. Spatial Analysis of Health, Disease, and Disorders***Room:* Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kathryn Kulbicki, Westat

**10:00** Demi Bechtloff\*, *The Spatial Distribution of Alcohol Treatment Centers in Jefferson County, KY.***10:20** Janthima Srisombat\*, University of North Texas; Janthima Srisombat, *Spatial analysis of HIV/AIDS survival in Texas.***10:40** WEI XU\*, University of Wisconsin Milwaukee, *The Geographies of Mortality Attributed to Alzheimer's Disease in the contiguous United States from 2000 to 2008.***11:00** Daniel Chen\*, University of Toronto, *Visual and Material Home Making in Transnational Alzheimer's Care.***11:20** Kathryn M Kulbicki, M.A., M.S.A. \*, George Mason University; Kevin M Curtin, PhD, George Mason University, *Optimal offices for Child Welfare Facilities.***2206. Wine Regions 1: Old World Wine (Sponsored by Wine Specialty Group)***Room:* Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Robert P. Sechrist, Indiana University of Pennsylvania

CHAIR(S): Juana Ibáñez, University of New Orleans

**10:00** John P. Tiefenbacher\*, Texas State University, *Tracing Tempranillo: Examining the Historical Geography of Producing Tempranillo Wines from the Early 20th Century to the Present.***10:20** Christi Townsend\*, Texas State University, San Marcos, Texas, *The Impact and Legacy of Harm J. de Blij's 1983 Wine: A Geographic Appreciation.***10:40** Robert P. Sechrist, CSW, GISP\*, Indiana University of Pennsylvania, *Where have all the Vineyards Gone? Grubbing in the European Union.***11:00** Juana Ibáñez\*, University of New Orleans, *Louisiana Wine.***2208. Understanding China's urbanization from the perspective of the real estate industry (Sponsored by China Specialty Group)***Room:* Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Natacha Aveline, Géographie-Cités, University Paris I-Panthéon Sorbonne; Thierry Theurillat

CHAIR(S): Natacha Aveline, Géographie-Cités, University Paris I-Panthéon Sorbonne

**10:00** Thierry Theurillat\*, Real estate and construction department, Hong Kong University & Group of research in territorial economy, Neuchâtel University (Switzerland), *The creation of the urban value in China: the case of the modernization and growth strategy of Qujing city in Yunnan.***10:20** Natacha Aveline, CNRS professor\*, Géographie-Cités, University Paris I-Panthéon Sorbonne, *The boom in China's property markets, a comparison with the Japanese 'land bubble' (1985-1990) from the perspective of the developmental state.***10:40** Elfie Swerts\*, UMR Géographie-cités, *Spatial deployment of foreign investment in China's property markets.***11:00** Tianke Zhu\*, University College London; Fulong Wu, University College London, *The Suburban Residential Development in China: A Case of Jiangning District of Nanjing.***11:20** Mingye LI\*, University Paris-Est, Lab'Urba, *Renewed social housing programme: a policy subordinate to the economic growth and the social stability in the context of China's rapid urbanization.***2209. Urban Renewal 2: Changing Places and Changing Perceptions in Challenged Neighborhoods (Sponsored by Urban Geography Specialty Group)***Room:* Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Julie Clark, University of Glasgow; Nicholas Wise

CHAIR(S): Julie Clark, University of Glasgow

**10:00** Shauna Brail\*, University of Toronto; Nishi Kumar, University of Toronto, *Community Leadership and Engagement After the Mix: The Transformation of Regent Park.***10:20** Ian Riekes Trivers\*, University of Michigan, *Urban Regeneration "In Motion": The High Line as a traveling urban imaginary..***10:40** Brendan L. Lavy, MS\*, Texas State University; Erin D. Dascher, MS, Texas State University; Ronald R. Hagelman III, PhD, Texas State University, *The Shifting Landscape of Rainey Street, Austin, TX: An Analysis of the News Media's Portrayal of an Urban Renewal Effort.***11:00** Sophie Didier, Dr. \*, Université Paris 13, *Finding a path between nostalgia and activism: urban walk guides interpretations of decline in downtown Johannesburg.*



**WEDNESDAY, APRIL 22 • 10:00 AM - 11:40 AM • 2200***South Africa.*

- 11:20** Nicholas Wise\*, Glasgow Caledonian University, *Sport led regeneration in Croatia to sustain off-season tourism, the case of Medulin.*

**2210. Landscape Backstories (Sponsored by Landscape Specialty Group)**

- Room:** Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Ellen Hostetter, University of Central Arkansas  
 CHAIR(S): Ellen Hostetter, University of Central Arkansas  
**10:00** Matthew N. Fockler\*, Augustana College, *An American Playground: Designing United States Forest Service Recreation in Montana's Northern Rockies.*  
**10:20** Ellen Hostetter, Dr.\*, University of Central Arkansas; Ellen Hostetter, Dr., University of Central Arkansas, *Automobile Landscapes - A Bureaucratic and Legal Backstory.*  
**10:40** Lisa Rainey Brownell\*, *Home stories/Place Stories.*  
**11:00** Brian Grabbatin\*, University of Kentucky & Midlands Technical College, *Property as Practice: Reproducing the Family Commons in Coastal South Carolina.*  
**11:20** Sarah Luria\*, College of the Holy Cross, *The Art of Resurveying the Story Behind a State Line.*

**2211. New Methodologies for Transportation**

- Room:** Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Program Committee  
 CHAIR(S): Ruihong Huang, Northern Arizona University  
**10:00** Li Xu\*, University of Illinois at Urbana-Champaign; Mei-Po Kwan, University of Illinois at Urbana-Champaign, *Mining Sequential Trajectories Patterns for Activity-Travel Prediction.*  
**10:20** Ron Dalumpines\*, McMaster University; Darren M. Scott, McMaster University, *GIS-Based Episode Reconstruction Toolkit (GERT): A Transferable, Modular, and Scalable Framework for Automated Extraction of Activity Episodes from GPS Data.*  
**10:40** Xiaoguang Wang\*, Geography Department, Central Michigan University; Chao Liu, Urban Studies and Planning Program, University of Maryland; Lidia Kostyniuk, University of Michigan Transportation Research Institute, University of Michigan; Qing Shen, Department of Urban Design and Planning, University of Washington; Shan Bao, University of Michigan Transportation Research Institute, University of Michigan, *Using Naturalistic Data to Examine the Relationships between Street Environment, Driving Behavior and Fuel Efficiency.*  
**11:00** Hanna Maoh\*, University of Windsor; Shakil Khan, University of Windsor; Georgiana Madar, Statistics Canada, *An Approach for Improving the Response Rate in Commercial Vehicle Movement Surveys.*  
**11:20** Ruihong Huang\*, Northern Arizona University, *Simulating Individual Work Trips by Public Transport.*

**2213. Career Mentoring B (Sponsored by AAG Jobs and Careers Theme)**

- Room:** Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Mark Revell, Association of American Geographers - Washington, DC  
 CHAIR(S): Mark Revell, Association of American Geographers - Washington, DC  
 Discussant(s): Pablo Fuentenebro, University of Western Sydney; JoAnn (Jodi) C. Vender, Pennsylvania State Univ; Johanne Sanschagrin, Office of the Auditor General of Canada; Brian E. Johnson, University of Alabama at Birmingham; Paisly Di Bianca, US EPA Region 5

**2214. Career Preparation in Undergraduate and Graduate Geography Programs (Sponsored by AAG Jobs and Careers Theme)**

- Room:** Columbus CD, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Mark Revell, Association of American Geographers - Washington, DC

CHAIR(S): Michael N. Solem, Association of American Geographers

- 10:00** Heather R. Houlton\*, American Geosciences Institute; Candice Luebbing, Association of American Geographers; Michael Solem, Association of American Geographers; Jamie Ricci, Engineers Canada, *Geoscience Career Master's Preparation Survey: Investigating Technical and Non-Technical Competencies and their Implications in the Geoscience Workforce.*  
**10:20** Candice Luebbing\*, Association of American Geographers; Heather R. Houlton, American Geosciences Institute; Michael Solem, Association of American Geographers; Jamie Ricci, Engineers Canada, *Geoscience Career Master's Preparation Survey: Graduate School Experiences and Career Goals among Geology and Geography Programs.*  
**10:40** Carmen Brysch\*, Texas State University, *Analysis of a Geography Education Professional Development System.*

Discussant(s): Michael N. Solem, Association of American Geographers

**2215. The Berlin Wall, 25 Years Later: Continuities and Legacies (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**

- Room:** Columbus EF, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel S. Trumbull, University of Connecticut  
 CHAIR(S): Jeremy Tasch, Towson University  
**10:00** Julie Minde\*, GMU, *Non-violent resistance: what is the Baltic way?.*  
**10:20** Piotr Niewiadomski\*, University of Aberdeen, *The Aviation Industry and Regional Development in Central and Eastern Europe.*  
**10:40** Philip Micklin, Ph.D.\*, Western Michigan University, *The Aral Sea: The devastation and Partial Rehabilitation of a Great Lake..*  
**11:00** Kristopher D. White\*, KIMEP University, *Kazakhstan's Northern Aral Sea today: Regional ecosystem restoration, economic recovery, and popular optimism.*  
**11:20** Robert Allen Kopack\*, University of Toronto, *Is There A Future of the Soviet Past in Kazakhstan? - Karaganda's New Monuments to Heroic Figures and Bateful Episodes.*

**2217. The Gender, Place and Culture Jan Monk Distinguished Annual Lecture by Caitlin Cahill - Endless knots: Young people, policing & gentrifying Brooklyn (Sponsored by Geographic Perspectives on Women Specialty Group)**

- Room:** Columbus H, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Peter E. Hopkins, Newcastle University  
 CHAIR(S): Peter E. Hopkins, Newcastle University  
 Introducer: Orhon Myadar  
 Introducer: Peter E. Hopkins  
 Discussant(s): Caitlin Cahill, Pratt Institute

**2219. What kinds of urban subjects does sport produce?**

- Room:** Columbus KL, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): David J. Roberts, University of Toronto; John Paul Catungal, University of British Columbia  
 CHAIR(S): John Paul Catungal, University of British Columbia  
**10:00** David J. Roberts\*, University of Toronto, *Urban subjectivity and the 2015 PanAm/ParapanAm Games.*  
**10:20** Daniel Evans\*, York University, *The Right to Hull City.*  
**10:40** Naomi Adiv, Ph.D.\*, Portland State University, *Urban schools, urban swimmers: Swimming Lessons in the New York City Public Schools, 1908 - 1959.*  
**11:00** Andy Walter\*, University of West Georgia, *Is Atlanta in Braves Country? Sports, politics, and poverty in Atlanta's urban geographies.*  
 Discussant(s): John Paul Catungal, University of British Columbia



# WEDNESDAY, APRIL 22 • 10:00 AM - 11:40 AM • 2200

## 2220. Geographies of Resilience 2 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Energy and Environment Specialty Group)

Room: Grand A, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Sara Meerow, University of Michigan; Joshua P. Newell, University of Michigan; Emily Boyd

CHAIR(S): Sara Meerow, University of Michigan

10:00 Marygold Walsh-Dilley, PhD\*, University of New Mexico, *Tensions of Resilience: Collective Property, Individual Gain, and the Emergent Conflicts of the Quinoa Boom.*

10:20 Sara Keene\*, Cornell University/Development Sociology, *Marijuana and the Limits of Knowledge: Implications for Economic Vulnerability and Resilience in Northern California.*

10:40 Daniel Runfola, Ph.D.\*, The College of William and Mary | AidData; Albert Decatur, The College of William and Mary | AidData, *Climate and Development: Decision making and Climate-Relevant International Aid.*

11:00 Rachna Gupta Lévêque\*, University College London, *Governance for resilience: responding to the complexities of urban densification.*

Discussant(s): Betsy A. Beymer-Farris

## 2221. Outcast Cities I: Displacement in Urban Theory (Sponsored by Urban Geography Specialty Group, Development Geographies Specialty Group)

Room: Grand B, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Asher Ghertner, Rutgers University; Austin Zeiderman, London School of Economics

CHAIR(S): Asher Ghertner, Rutgers University

10:00 Ipsita Chatterjee, Assistant Professor\*, University of North Texas, *Accumulation, Estrangement, Displacement: Attempting a Marxist theory of displacement.*

10:20 Charles Heck\*, Florida International University, *The Biopolitics of Informal Displacement and the Production of the Environment in Rio de Janeiro.*

10:40 Max Counter\*, University of Colorado-Boulder, *The Double Condition: Intersections of Internal Displacement and Physical Disability in Colombian Urban Centers.*

11:00 Emma Louise Colven\*, UCLA, *Jakarta's "National Capital Integrated Coastal Development" Master Plan: Provincialising Narratives of Environmental Disaster and Urban Development.*

Discussant(s): Austin Zeiderman, London School of Economics

## 2222. Future Mobilities - Methodological and Theoretical considerations

Room: Grand C/D North, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Malene Freudendal-Pedersen, Roskilde University; Sven Kesselring, Aalborg University

CHAIR(S): Sven Kesselring, Aalborg University

10:00 Eva Fraedrich\*, Humboldt-Universität zu Berlin; Barbara Lenz, 90051094, German Aerospace Center, *Traveling in an automated car - expectations and objections.*

10:20 Morten Skou Nicolaisen\*, Aalborg University, *When foxes get trapped by hedgehogs: the implications of inaccurate forecasts for mobility planning.*

10:40 Alexandre Rigal\*, EPFL (Swiss Federal Institute of Technology in Lausanne); Jade Rudler\*, EPFL, *Towards a Post-Car World, How (not) to experience the future of car mobility.*

11:00 Jade Rudler\*, EPFL, *Architecture and potential affordances for futures without car use.*

11:20 Emmy Laura Perez Fjalland\*, Roskilde University, *Urban Sharing Culture.*

## 2223. Locating Feminist Theory and Practice in Economic Geography I (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

Room: Grand C/D South, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Carolin L. Schurr, University of Zürich; Oona Morrow, Clark University; Sayoni Bose, The Ohio State University

CHAIR(S): Marit Rosol, TU Dresden / University of Frankfurt

10:00 Meredith Johnson Krueger\*, University of Washington, *The reproduction of inequality within equity crowdfunding.*

10:20 Nancy Worth\*, McMaster University, *Theorizing interdependence, feeling precarious: considerations for feminist economic geography.*

10:40 Sarah Marie Hall, PhD\*, University of Manchester, UK, *Taking a feminist approach to economic crises: an ethnography of everyday austere geographies.*

11:00 Fiona Allon\*, The University of Sydney; Miranda Joseph\*, University of Arizona, *Life and Debt: Accounting for Feminist Interventions into Finance, Gender and Everyday Life.*

Discussant(s): Brenda Parker, University of Illinois At Chicago

## 2224. Spatial and temporal heterogeneity in ecosystem response to environmental change (II) (Sponsored by Biogeography Specialty Group)

Room: Grand E/F, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Greg Barron-Gafford, University of Arizona; Alexandra Ponette-González, University of North Texas

CHAIR(S): Greg Barron-Gafford, University of Arizona

10:00 Ryan Danby\*, Queen's University; Alexandra Conway, Queen's University; David Hik, University of Alberta; Saewan Koh, University of Alberta, *Aspect-mediated Responses of Vegetation to Climate Change in a Mountainous Subarctic Environment.*

10:20 Jaclyn Hatala Matthes\*, Dartmouth College; Cove Sturtevant, UC Berkeley; Sara Knox, UC Berkeley; Dennis Baldocchi, UC Berkeley, *Understanding Drivers of Spatiotemporal Heterogeneity in Wetland Methane Emissions.*

10:40 Taehee Hwang\*, Indiana University Bloomington; Lawrence E Band, University of North Carolina at Chapel Hill; Chelcy F Miniati, Coweeta Hydrologic Laboratory, USDA Forest Service; Conghe Song, Department of Geography, University of North Carolina at Chapel Hill; Paul V Bolstad, Department of Forest Resources, University of Minnesota, Saint Paul; James M Vose, Southern Research Station, USDA Forest Service; Jason P Love, Warnell School of Forestry and Natural Resources, University of Georgia, *Divergent phenological response to hydroclimate variability in forested mountain watersheds.*

11:00 Christine Sierra O'Connell\*, University of Minnesota; Paulo Brando, IPAM; Carlos Eduardo Cerri, CENA, University of Sao Paulo; Michael Coe, Woods Hole Research Center; Eric Davidson, University of Maryland; Gillian Galford, University of Vermont; Marcia Macedo, Woods Hole Research Center; Chris Neill, Marine Biological Laboratory; Rodney Venterea, University of Minnesota, *N2O Emissions in Southeastern Amazonia: The Effect of Agricultural Intensification, Precipitation and Soil Properties.*

11:20 Joshua R Thienpont, PhD\*, Brock University; Jennifer B Korosi, PhD, University of Ottawa; Michael FJ Pisarcic, PhD, Brock University; John P Smol, PhD, Queen's University, *Climate Warming Results in More Specialized Cladoceran Taxa in Canadian Arctic Lakes.*

## 2225. Critical Data, Critical Technology: In Theory 1 (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cultural Geography Specialty Group)

Room: Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Paper Session)

**WEDNESDAY, APRIL 22 • 10:00 AM - 11:40 AM • 2200**

- ORGANIZER(S): Ryan Burns, University of Washington; Craig M. Dalton, Bloomsburg University of Pennsylvania; James Thatcher, University of Washington - Tacoma
- CHAIR(S): Ryan Burns, University of Washington
- 10:00** Craig M. Dalton\*, Bloomsburg University of Pennsylvania, *Mobile maps and navigational practices: a user-level view of big data.*
- 10:15** Jenny Ungbha Korn\*, UIC, *Big Data Critiques Informed By Feminism and Critical-Cultural Studies: Quantity Does Not Necessarily Result In Quality.*
- 10:30** Luke Bergmann\*, University of Washington, *Situated, Processual, and Relational: Theoretical and technical reformulations of 'data' using insights from the humanities and interpretive social sciences.*
- 10:45** Beyhan Farhadi\*, University of Toronto, *Safe Spaces: On the Production, Negotiation and Contestation of Difference in Cyberspace.*
- 11:00** Mél Hogan\*, Illinois Institute of Technology; Laura Forlano\*, Illinois Institute of Technology, *Prototyping Big Data: Designer Algorithms and Data Rituals.*

**2226. The Value of Capitalist Natures I: Foundations and Debates (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)**

- Room: *Grand Suite 3, Hyatt, East Tower, Gold Level* (Panel Session)
- ORGANIZER(S): Kelly Kay, Clark University; Miles Kenney-Lazar
- CHAIR(S): Kelly Kay, Clark University
- Panelists: David Harvey; Erik Swyngedouw, University of Manchester; Richard A. Walker, University of California-Berkeley; Morgan Robertson, University of Wisconsin - Madison; James McCarthy, Clark University

**2227. CyberGIS Symposium: CyberGIS Foundations and Principles (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

- Room: *Grand Suite 5, Hyatt, East Tower, Gold Level* (Paper Session)
- ORGANIZER(S): Shao wen Wang, University of Illinois at Urbana-Champaign; Eric Shook, Kent State University; Timothy L. Nyerges, University of Washington
- CHAIR(S): Eric Shook, Kent State University
- 10:00** Eric Shook\*, Kent State University; Jayakrishnan Ajayakumar, Kent State University; Sandeep Vutla, Kent State University; Gowtham Kukkadapu, Kent State University, *Lowering Barriers for CyberGIS.*
- 10:20** Mary J. Roderick\*, University of Washington; Timothy L. Nyerges, University of Washington, *Plug-n-Participate: The Structured Participation Toolkit (SPT) in Action.*
- 10:40** Vijay Lulla\*, IUPUI; Aniruddha "Rudy" Banerjee, IUPUI, *Some ideas from open source worth embracing in GIS.*
- 11:00** Hao Hu\*, University of Illinois at Urbana Champaign; Tao Lin, University of Illinois at Urbana Champaign; Shao wen Wang, University of Illinois at Urbana Champaign, *A Stochastic Programming Approach for Spatial Optimization and Analysis Considering Uncertainties in Geographic Data.*
- 11:20** Myeong-Hun Jeong\*, CyberGIS Center for Advanced Digital and Spatial Studies, University of Illinois at Urbana-Champaign; Anand Padmanabhan, CyberGIS Center for Advanced Digital and Spatial Studies, University of Illinois at Urbana-Champaign; Shao wen Wang, CyberGIS Center for Advanced Digital and Spatial Studies, University of Illinois at Urbana-Champaign, *Efficient and scalable algorithm for identification of surface networks in a discretized scalar field in a distributed computing environment.*

**2228. Assessing Retirement Communities: Patterns and Purposes (Sponsored by Retired Geographers Affinity Group)**

- Room: *Plaza A, Hyatt, East Tower, Green Level* (Panel Session)
- ORGANIZER(S): Neal G. Lineback, Appalachian State University
- CHAIR(S): William C. Rense
- Introducer: Neal G. Lineback
- Panelists: Charles Kovacik, University of South Carolina; Ronald F. Abler, International Geographical Union; Stephen S. Birdsall, University of North Carolina - Chapel Hill; Stephen W. Tweedie, Oklahoma State University

**2229. Engaging Geography with Global Environmental Change: new directions for the social sciences and humanities (Sponsored by Radical Intra-Disciplinarity Theme, GeoHumanities Theme)**

- Room: *Plaza B, Hyatt, East Tower, Green Level* (Panel Session)
- ORGANIZER(S): Noel Castree, University of Manchester; Harriet Bulkeley, University of Durham
- CHAIR(S): Noel Castree, University of Manchester
- Panelists: Harriet Bulkeley, University of Durham; Karen O'Brien, University of Oslo; Diana M. Liverman, University of Arizona; Lauren Rickards; Matthew Paterson, University of Ottawa

**2230. Geo-Spatial Data, the Police and Emergency Services**

- Room: *Soldier Field, Hyatt, West Tower, Bronze Level* (Paper Session)
- ORGANIZER(S): Program Committee
- CHAIR(S): Brendan McQuade, DePaul University
- 10:00** Brince Robert Jones\*, University of North Texas, *Evaluating the Distribution of 911 calls in Denton, TX.*
- 10:20** Jimmy Dao, Sr. GIS Analyst\*, City of Brea; Jimmy Dao, MS-GIST (May 2015), University of Southern California, *A Comparison of Address Points and Street Ranges in a Computer Aided Dispatch System.*
- 10:40** Faisal Umar\*, University College London; James Cheshire, University College London; Shane Johnson, University College London, *Street-Level Crime Mapping in a Developing Country: Insights from Nigeria.*
- 11:00** Jong Hoon Park\*, Seoul National University; HyngBaek Lim, SungKyul University; SeongWoo Lee, Seoul National University, *Determinants of Crime Hot Spots in Seoul, Korea: Application of the Discrete GWR Model.*
- 11:20** Brendan McQuade\*, DePaul University, *The Institutional Geography of Intelligence Sharing in New York State.*

**2231. Visual Geographies: Reconceptualizing the Terrain of Art History with Historical GIS (Sponsored by GeoHumanities Theme, Historical Geography Specialty Group)**

- Room: *Columbian, Hyatt, West Tower, Bronze Level* (Paper Session)
- ORGANIZER(S): Susan Elizabeth Gagliardi, Emory University Art History Department; Niall Atkinson, University of Chicago
- CHAIR(S): Anne Kelly Knowles, Middlebury College
- Introducer: Anne Kelly Knowles
- 10:06** Tracy Chapman Hamilton\*, Sweet Briar College, *Locating Her Presence: Mapping the Queen in Fourteenth-Century France.*
- 10:22** George Philip LeBourdais, Ph.D. Candidate ABD\*, Stanford University, *Crystallizing an Arctic Geography in a Nineteenth-Century Photographic Book.*
- 10:38** Joanna Gardner-Huggett\*, DePaul University, *Mapping Feminist Art Collectives: ARC Gallery and Artemisia Gallery, Chicago (1980-1985).*
- 10:54** Ellen Prokop\*, The Frick Collection, *The Discovery of a Modern Old Master: Mapping El Greco's Collecting History.*
- 11:10** Carrie Anderson\*, Middlebury College, *Mapping the Visual Record of Dutch Brazil in the Seventeenth and Eighteenth Centuries.*
- Discussant(s): Michael Page, Emory University

**WEDNESDAY, APRIL 22 • 10:00 AM - 11:40 AM • 2200****2232. STS and Urban Infrastructure in the South II (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group)**

*Room:* Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Katie Meehan, University of Oregon; Kathryn Furlong, Université De Montréal  
 CHAIR(S): Katie Meehan, University of Oregon  
**10:00** Kathryn Furlong\*, Géographie, Université de Montréal, *The politics of infrastructure integration: beyond technical administration to the production of space.*  
**10:20** Kerri Jean Ormerod\*, University of Arizona, *No Shit: 'Common Sense' and the Future of Planned Potable Water Recycling.*  
**10:40** Ashley Carse, Ph.D.\*, University of Virginia, *Keyword: "Infrastructure," International Development, and the Making of the Global South.*  
**11:00** Malini Ranganathan\*, American University School of International Service, *Storm Flows and Capital Fixes: Re-Materializing Flood Risk in the Informal City.*  
**11:20** Majed Saeed Akhter\*, Indiana University - Bloomington, *Infrastructure nationalism: State space, hegemony, and hydraulic regionalism in Pakistan.*

**2233. Geographical Perspectives on Film and Music (Sponsored by GeoHumanities Theme)**

*Room:* Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): GeoHumanities  
 CHAIR(S): Philip Lawton, NUI Galway  
**10:00** Amir Ganjavie\*, York University, *Film theory and urban geography on the question of place.*  
**10:20** Philip Lawton\*, NUI Galway, *Culture, Capital and the Big Screen: Tracing Gentrification in the films of Woody Allen.*

**2235. Geographic Approaches to Environmental Sustainability (Sponsored by Regional Development and Planning Specialty Group)**

*Room:* Picasso, Hyatt, West Tower, Bronze Level (Panel Session)  
 ORGANIZER(S): Jonah White, Western Washington University  
 CHAIR(S): Jonah White, Western Washington University  
 Discussant(s): Xiaoling Zhang  
 Panelists: Jonah White, Western Washington University; Debnath Mookherjee, Western Washington University; George M. Pomeroy, Shippensburg University; Christopher Cusack, Keene State College; Troy Abel, Western Washington University; Jennifer Yongmei Pomeroy, Shippensburg University; Rini Rachmawati, Faculty of Geography, Universitas Gadjah Mada; Eko Haryono, Faculty of Geography, Universitas Gadjah Mada

**2236. Theorizing and Communicating Climate Change II: Science, Knowledge and Perceptions (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Communication Geography Specialty Group)**

*Room:* Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): RDK Herman, National Museum of the American Indian  
 CHAIR(S): Chris Underwood, Lincoln Memorial University  
**10:00** Kathryn Ryan\*, Rutgers University, *Emotive-Physical Storytelling in Londonderry, Vermont: Incorporating Emotion into Climate Change Research.*  
**10:20** Amy E. Lesen, PhD\*, Tulane University, *Urban Ecology and Science in Transformation: Shifting Disciplinary Boundaries and Community-Engaged Scientists.*  
**10:40** Valerie Aphie Solomon, Dr\*, University of Uyo; Ubong A Asa, Dr, University of Uyo, *Enhancing Local Institution's Climate Change knowledge in Nigeria's Niger Delta for Community Adaptation to Future Climate.*  
 Discussant(s): Chris Underwood, Lincoln Memorial University

**2237. R.S. Tarr Student Illustrated Paper Competition (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group)**

*Room:* Wrigley, Hyatt, West Tower, Bronze Level (Illustrated Paper Session)  
 ORGANIZER(S): Vena W. Chu, UCLA  
 CHAIR(S): Asa Rennermalm, Rutgers, The State University of New Jersey  
**10:00** Nelson Crone\*, Clark University; Karen E. Frey, Clark University, *Investigation of techniques for improved classification of sea ice morphology during the summer melt season using Worldview-2 imagery in the Northern Chukchi and Beaufort seas.*  
**10:05** Xian Dong\*, Texas A&M University; Andrew G. Klein, Texas A&M University, *Mapping and quantifying glacier area change using Google Earth Engine.*  
**10:10** Yan Huang\*, East China Normal University, China; Hongxing Liu, University of Cincinnati, USA; Bailang Yu, East China Normal University, China; Jianping Wu, East China Normal University, China, *Improving MODIS Snow Products with a Hidden Markov Random Field-based Spatio-temporal Modeling Technique.*  
**10:15** Weibo Liu\*, University of Kansas; Kyle Purdon, National Snow and Ice Data Center; Stafford Trey, University of Nebraska?Lincoln; John Paden, Center for Remote Sensing of Ice Sheets, *Development of a web GIS application for cryosphere community based on open source software tools.*  
**10:20** Yunpeng Lyu\*, Rutgers University; Asa K Rennermalm, Rutgers University, *Analysis of Northeast Greenland Near-surface Conditions.*  
**10:25** Arif Masrur\*, University of Northern Iowa, *Spatiotemporal Analysis of Wildfire Activity in the Tundra Biome Using MODIS Data (2000-2014).*  
**10:30** Lincoln H. Pitcher\*, UCLA Department of Geography; Laurence C Smith, UCLA Department of Geography; Colin J Gleason, UCLA Department of Geography, *Understanding Meltwater Drainage of the Greenland Ice Sheet using remote sensing, GIS and topographic information.*  
**10:35** Vincent Quinton\*, Rutgers University; Asa K Rennermalm, Rutgers University, *Greenland ice sheet meltwater export characteristics.*  
**10:40** Song Shu\*, University of Cincinnati; Hongxing Liu, University of Cincinnati; Kenneth M. Hinkel, University of Cincinnati; Richard A. Beck, University of Cincinnati; Lei Wang, Louisiana State University; Bailang Yu, East China Normal University, *Analysis of snow depth and lake elevation variability in Alaskan Arctic Coastal Plain using ICESat-1 laser altimetry observations.*

**2238. Opening Plenary: Symposium on International Geospatial Health Research: Creating Synergies (Sponsored by International Geospatial Health Research Network)**

*Room:* Acapulco, Hyatt, West Tower, Gold Level (Panel Session)  
 CHAIR(S): **Douglas Richardson**, Association of American Geographers  
 Speakers:  
**Douglas Richardson**, Geospatial Health Research Initiatives at the AAG: Creating Synergies  
**Mei-Po Kwan**, University of Illinois at Urbana-Champaign, Introduction: The International Geospatial Health Research Network  
**Marie Lynn Miranda**, Dean of the School of Natural Resources and Environment, University of Michigan  
**Bethany Deeds**, NIH National Institute on Drug Abuse (NIDA)  
**David Berrigan**, NIH National Cancer Institute (NCI)  
 Discussant: **Yonette Thomas**, Association of American Geographers

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The “Symposium on International Geospatial Health Research: Creating Synergies” will explore new research frontiers in geospatial health research and foster international networks to share this information across borders and generate research synergies. The symposium builds on multiple AAG Geography and Health Initiatives of the past decade, such as the AAG Initiative for an NIH-wide Geospatial Infrastructure for Health Research.

## 2239. Passports, securitization and borders (Sponsored by Population Specialty Group)

Room: Atlanta, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Pablo Mateos, CIESAS

CHAIR(S): Pablo Mateos, CIESAS

10:00 Kristine Müller\*, Leibniz Institute for Regional Geography, *Securitization from below: Civil engagement in processes of bordering.*

10:20 Nicholas James Cosmas\*, University of Hawaii - Manoa, *'Stay Where You Are Until Our Backs Are Turned': Imaginations of the Border from Kuala Lumpur and Bangkok.*

10:40 Sean M. McDonald, Ph.D.\*, Bentley University; Simon J Moore, D.Phil., Bentley University, *Physical geographies and communicating sovereignties: changes to the landscape of national legitimacy.*

11:00 John Oswald\*, Wright State University, *After the Guns go Silent: Symbolism, Territoriality, and the Geography of the Continued Ethno-National Conflict on Cyprus.*

11:20 Pablo Mateos\*, CIESAS, *Dual nationality from below: Euro-Latin American multiple citizenship and migration practices.*

## 2240. Terrain 2

Room: Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Stuart Elden, University of Warwick; Gaston Gordillo, University of British Columbia

CHAIR(S): Stuart Elden, University of Warwick

10:00 Gaston Gordillo\*, University of British Columbia; Shaylih Muehlmann, University of British Columbia, *Terrain and the Materiality of Climate Change.*

10:20 Clayton Whitt\*, University of British Columbia, *Fluid Terrain: Climate Change and the Textured Materiality of Daily Life in the Bolivian Highlands.*

10:40 Pip Thornton\*, Royal Holloway, University of London, *The Meaning of Light: Seeing and Being on the Battlefield.*

11:00 Rachael Squire\*, Royal Holloway, University of London, *"Man in the Sea": The Geopolitics of Undersea Terrain.*

Discussant(s): Setha Low, The Graduate Center of the City University of New York

## 2241. BRICS in Africa: Shifting Geographies through South-South Cooperation (II) (Sponsored by China Specialty Group, Africa Specialty Group, Development Geographies Specialty Group)

Room: New Orleans, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Ding Fei, University of Minnesota - Minneapolis; Meredith DeBoom, University of Colorado at Boulder

CHAIR(S): Abdi Samatar, University of Minnesota

10:00 Ding Fei\*, University of Minnesota - Minneapolis, *Comparative Labor Perspectives towards 'China in Africa': Evidence from Zhongxing Telecommunication Equipment and Lifan Motors in Ethiopia.*

10:20 Ben Lampert\*, The Open University, UK; Giles Mohan, The Open University, UK, *Engaging Africa: Community dynamics and local embeddedness among Chinese migrants in Ghana and Nigeria.*

10:40 Heidi Østbø Haugen, Dr\*, University of Oslo, *Brokering the export of Chinese goods to Africa: Trading agents*

*in Guangzhou.*

11:00 Allen Xiao\*, University of Wisconsin-Madison, *Mapping Social Interactions between Chinese Migrants and Nigerians on the Lagos Road.*

Discussant(s): Padraig Carmody, Trinity College Dublin

## 2242. Economic Geography VI - Scientific Labour Markets, Universities, Industry, and Economic Development (Sponsored by Economic Geography Specialty Group)

Room: Regency A, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Helen Lawton Smith, Birkbeck University of London

CHAIR(S): David L. Rigby, UCLA

10:00 Shiri M. Breznitz\*, University of Toronto; Paige Clyston, University of North Carolina, Chapel Hill, *Public Goods in a Time of Crisis.*

10:18 Christian R. Oestergaard\*, Aalborg University; Ina Drejer, Aalborg University, *The role of geographical, cognitive and social proximity in university-industry collaboration on innovation.*

10:36 Vassilis Monastiriotis\*, London School of Economics, *Regional upgrading or regional downgrading? Over-education and underemployment in Greece's lagging-behind regions.*

10:54 Helen Lawton Smith\*, Birkbeck, University of London; Rupert Waters, Birkbeck, University of London, *Universities, local labour markets and local economic development.*

11:12 Ulrich Hilpert\*, Friedrich-Schiller-University; Ulrich Hilpert, *Networking Regionalised Innovative Labour Markets.*

Discussant(s): Sharmistha Bagchi-Sen, SUNY-Buffalo

## 2243. Spatially Integrated Social Sciences

Room: Regency B, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Patrick L. Lawrence, University of Toledo

CHAIR(S): Patrick L. Lawrence, University of Toledo

10:00 Patrick L. Lawrence\*, University of Toledo, *Spatially Integrated Social Sciences.*

10:20 Isabelle M Nilsson\*, University of Toledo, *Density vs. Relative Location: Measuring Differences in the Internal Structure of Clusters.*

10:40 Michael Moore\*, University of Toledo, *Spatial Modeling of Craft Beer Firms in the United States, 2013.*

11:00 Karen R Gallagher\*, University of Toledo, *Bridging the gap between science and practice; can conceptual models be effective as tools to guide the planning and valuation of multi-purpose urban trails?*

11:20 Grant Wilson\*, University of Toledo, *Exploring the Impacts of State and Local Incentives on the Spatial Patterns of U.S. Wind Power Generation.*

## 2245. The Politics of Desire and Despair: Contextualising Rights in Urban Protests against Displacement in Asia and Beyond (2) (Sponsored by China Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Regency D, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Hyun Bang Shin, London School of Economics and Political Science

CHAIR(S): Hyun Bang Shin, London School of Economics and Political Science

10:00 Jiabao Sun\*, King's College London, *What rights do resettled farmers claim in the city? Assessing demands for sustainable livelihoods, assets and urban citizenship among rural labourers involuntarily relocated to Tianjin.*

10:20 Yi-ling Chen\*, University of Wyoming; Hung-Ying Chen\*, National Taiwan University/ Durham University, *The Fragile Right to the City: Homeownership and Speculative Urbanism in Taipei.*

10:40 Chaitawat Boonjubun\*, University of Helsinki, *Bangkok's*

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*street vendors and their rights to the city.*

**11:00** Ozlem Celik\*, Middle East Technical University; Ceren Ergenc\*, Middle East Technical University, *Whose right to what city? Voices from post-Gezi movement urban forums in Ankara, Turkey.*

**11:20** Mee-Kam Ng, Professor\*, The Chinese University of Hong Kong, *Fighting the right to human flourishing: top-down mode of planning challenged in Hong Kong.*

## **2246. Energy Transitions II: Analysis (Sponsored by Energy and Environment Specialty Group)**

**Room:** San Francisco, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Michael Minn, University of Illinois  
CHAIR(S): Frank LaFone, West Virginia University

**10:00** Peter A. O'Connor, Ph.D.\*, Boston University; Cutler J. Cleveland, Ph.D., Boston University, *U.S. Energy Transitions 1780-2010.*

**10:20** Kristine Wright\*, V3 Companies, *A GIS-Based Approach to Assessing Solar Potential On Landfills.*

**10:40** Kelsey N Powers\*, University of Washington, Tacoma, *Geospatial Analysis of Coal Terminal Twitter Data in Washington State.*

**11:00** Frank LaFone\*, West Virginia University; Timothy Carr, PhD, West Virginia University; Maneesh Sharma, PhD, West Virginia University, *Big Data about a Little Place: Data Collection, Management, and Exploration of the Marcellus Shale Energy and Environment Laboratory.*

## **2247. Analysis and Modeling of Landscape Change I (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**

**Room:** Toronto, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Burak Guneralp, Texas A&M University; Jacqueline Vadujec, Oklahoma State University; Richard J. Aspinall  
CHAIR(S): Narcisa Pricope, University of North Carolina Wilmington

**10:00** Niti B. Mishra\*, University of Texas - Austin; Kelley A. Crews, University of Texas - Austin, *Seasonal vegetation greenness trends in Southern Africa Savanna: Deconstructing the role of precipitation dynamics, fire regime and anthropogenic impact.*

**10:20** Narcisa Pricope, PhD\*, University of North Carolina Wilmington; Andrea E Gaughan, PhD, University of Louisville; Lucas Rutina, PhD, University of Botswana; Michael W Binford, PhD, University of Florida; John D All, PhD, Western Kentucky University, *Spatio-temporal analysis of vegetation dynamics in relation to shifting inundation and fire regimes in a transboundary southern African savanna watershed.*

**10:40** Sevki Danacioglu\*, Balikesir University; Sermin Tagil, Balikesir University, *Coastline Change Detection in Bakircay River Delta.*

**11:00** Christopher Galletti\*, Arizona State University, *Land use and land cover change in the cloud forest of Dhofar, Oman.*

**11:20** S M Rafael Harun\*, University of Waterloo, *Understanding the Spatial Patterns of Land Use change and the Efficacy of the Urban Planning Approaches in the Grand River Watershed Region in Ontario, Canada.*

## **2248. Legal pluralism in action: evidence from heterogeneous settings**

**Room:** Crystal A, Hyatt, West Tower, Green Level (Paper Session)  
ORGANIZER(S): Maarten Bavinck, University of Amsterdam  
CHAIR(S): Maarten Bavinck, University of Amsterdam  
**10:00** Adriana Rincon\*, University of Georgia, *Transitional justice and law: the case of "post-conflict" Colombia.*

**10:20** Benjamin Perrier\*, Université de Genève - département de géographie, *Melting law: Learning from practice in European Mountain Regions.*

**10:40** Nicole Reiz, ABD\*, University of Kansas, *Spaces of Violence and (In)justice in Haiti: A Critical Legal Geography Perspective on Rape, UN Peacekeeping and Jurisdiction under the United Nations Status of Forces Agreement.*

**11:00** Liette Gilbert\*, York University; Kathy A. Kolnick\*, University of Southern California, *Immigration regulation and the micro-politics of nuisance laws.*

**11:20** Maarten Bavinck\*, University of Amsterdam, *Jostling for Space - Hybridizing Lawscapes in the Fisheries of the Coromandel Coast, India.*

## **2249. Just green enough 2: Taking aim at environmental gentrification**

**Room:** Crystal B, Hyatt, West Tower, Green Level (Paper Session)  
ORGANIZER(S): Trina Hamilton, SUNY - Buffalo; Winifred Curran, DePaul University  
CHAIR(S): Winifred Curran, DePaul University  
**10:00** Trina Hamilton\*, SUNY - Buffalo; Winifred Curran, Depaul University, *Just Green Enough in Greenpoint?.*  
**10:20** Pamela Stern, Ph.D.\*, Simon Fraser University; Peter V Hall, Ph.D., Simon Fraser University, *Taming the wild river: prospects for just green enough strategies on the New Westminster riverfront.*  
**10:40** Hamil Pearsall\*, Temple University; Joseph Pierce, Florida State University, *"Green" redevelopment in rust-belt cities: More space, more debate, and less displacement.*  
**11:00** Erin Goodling\*, Portland State University, *Sustainable City Resistance: Political Subject Formation and Collective Action in Portland, Oregon.*  
**11:20** Esther Grace Kim\*, University of California, Berkeley, *"We Don't Want to Be the Next Venice Boardwalk!": Balancing the Benefits and Threats of River Restoration in Frogtown.*

## **2250. Political Geography Plenary: State Power in Blue (Sponsored by Political Geography Specialty Group)**

**Room:** Crystal C, Hyatt, West Tower, Green Level (Panel Session)  
ORGANIZER(S): Philip E. Steinberg, Durham University  
CHAIR(S): Philip E. Steinberg, Durham University  
Introducer: Philip E. Steinberg  
Discussant(s): Nisha Shah, University of Ottawa; Keegan Andrew Williams, Wilfrid Laurier University; Keith Woodward, University of Wisconsin-Madison  
Panelists: Mathew Coleman, Ohio State University

## **2251. Immigrants' Experiences in Urban and Suburban areas in Canada and the U.S. (Sponsored by Ethnic Geography Specialty Group)**

**Room:** Stetson A, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Stavros T. Constantinou, Ohio State University; Carlos Teixeira, University of British Columbia Okanagan  
CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan  
**10:00** Nabil Malik\*, York Sustainable Enterprise Consultants (YSEC), *Engaging Citizens in Sustainable Development Policy in Regional Planning: A Comparative Study of the Regional Municipalities of York (Ontario) and Wood Buffalo (Alberta).*  
**10:20** Min-Jung Kwak\*, York University; Il-Ho Kim, Centre for Addiction and Mental Health; Samuel Noh, University of Toronto, *The Local Consequences of Globalization on Immigrant Entrepreneurship.*  
**10:40** Carlos Teixeira\*, University of British Columbia Okanagan; Carlos Teixeira, University of British Columbia, *Housing New Immigrants: Evidence from the Canadian Literature.*

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**11:00** Susan Hume\*, Southern Illinois University Edwardsville, *Bosnian Success and the Receiving Community in St. Louis, Missouri.*

**11:20** Ron Malega, PhD\*, Missouri State University; Edwin Gomez, PhD, Old Dominion University, *Exploring an Alternative Approach for Testing Spatial Assimilation Theory: Predicting the Neighborhood Outcomes of Puerto Rican Residents using Direct Measures of Acculturation.*

**2252. Rural gentrification: a globalising phenomenon? (Sponsored by Rural Geography Specialty Group)**

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Martin Phillips, University of Leicester; Darren Smith, Loughborough University

CHAIR(S): Martin Phillips, University of Leicester

**10:00** Innisfree Mckinnon\*, University of Oregon, *Do McMansions Cause Mayhem? Rural Gentrification in the Context of Oregon's Statewide Land Use Planning System.*

**10:20** Rachel Anna Cotterman\*, University of North Carolina at Chapel Hill, *Class, Capital, and Cultural Change: Rural Gentrification in Central North Carolina.*

**10:40** Jorge Alejandro Inzulza-Contardo\*, Universidad De Chile, *Crossing boundaries in Latin American cities: gentrification into the rural context of Santiago Metropolitan Region, Chile.*

Discussant(s): Holly Barcus, Macalester College

**2253. Looking Backwards and Forwards in Participatory GIS: Session II (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Bandana Kar, University of Southern Mississippi; Rina Ghose, University of Wisconsin Milwaukee

CHAIR(S): Bandana Kar, University of Southern Mississippi

**10:00** Jamal Jokar Arsanjani\*, GIScience Research Group, Heidelberg University, *On contribution of Volunteered Geographic Information to land monitoring efforts.*

**10:20** Yoshiki Wakabayashi\*, Tokyo Metropolitan University; Mikoto Kukimoto, Oita University, *Possibilities and Limitations of Childcare Support Maps from the Viewpoint of Participatory GIS.*

**10:40** Renee Sieber\*, McGill University, *Frictionless Civic Participation and the Geospatial Web.*

**11:00** Michael Keith McCall, Dr.\*, Universidad Nacional Autonoma De Mexico; Jeroen Verplanke, ITC University of Twente; Claudia Uberhuaga, Technical University of Madrid, *What does PGIS have to learn from VGI/Crowd Sourcing, so that we survive and prosper?.*

**11:20** Rina Ghose\*, University of Wisconsin Milwaukee, *Deconstructing Citizen Participation and Spatial Knowledge Production.*

**2254. ARCSUS: Examining Arctic Sustainability (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* Stetson E, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Scott Stephenson, University of Connecticut; Kelsey Nyland, George Washington University

CHAIR(S): Aileen A. Espiritu, The Barents Institute The University of Tromsø The Arctic University of Norway

**10:00** Nikolay Shiklomanov\*, George Washington University; Oleg A Anisimov, State Hydrological Institute, Russia, *Arctic Urban Sustainability in Russia and Climate Change: an Overview of Recent Research.*

**10:20** Vasily Kokorev\*, State Hydrological Institute; Oleg Anisimov, prof., State Hydrological Institute, *Climatic factors governing the urban sustainability in the*

*Russian Arctic: analysis of the observational data and projections for the future.*

**10:40** Ziqi Li\*, George Washington University; Nikolay Shiklomanov, George Washington University, *Effect of Arctic Urban and Industrial Development on Land Surface Temperature: a case study for the Norilsk Region, Russia.*

**11:00** Qin Yu\*, George Washington University; Nikolay I Shiklomanov, George Washington University; Howard E Epstein, University of Virginia, *Land cover and land use change in the vicinity of an oil/gas facility in northwestern Siberia and implication for arctic urban sustainability.*

**11:20** Greg Poelzer\*, University of Saskatchewan, *Creating Capacity to Build Sustainable Northern Futures.*

**2255. Legal Geographies 5: Law, Colonialism and Capitalism: Financial Orders (Sponsored by Socialist and Critical Geography Specialty Group, Indigenous Peoples Specialty Group)**

*Room:* Stetson F, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Reecia Orzeck, Illinois State University; Tyler McCreary, York University; Joshua Barkan, University of Georgia

CHAIR(S): Kendra Strauss, Simon Fraser University

**10:00** Sian Butcher\*, University of Minnesota, *Proliferating the "rule[s] of property" in settler-colonial South Africa: land, law, and its publics.*

**10:20** Brett Christophers\*, Department of Social and Economic Geography, Uppsala University, *The great leveler: capitalism and competition in the court of law.*

**10:40** Julia Dehm\*, Melbourne Law School, *CO2lonialism: capitalist responses to climate change and contested authority over land.*

**11:00** Melanie Sommerville\*, Dept of Geography, UBC; Melanie Sommerville, University of British Columbia, *Property in the financialized (post)colony: Large scale agricultural projects and contemporary regimes of capital accumulation on restituted land in Canada and South Africa.*

**11:20** Philip Ashton\*, University of Illinois-Chicago, *'Doe v. Subprime': Sovereignty, Jurisdiction, and the Adjudication of the Mortgage Crisis.*

**2256. Political Ecology and Social-Ecological Interactions of Food Production and Systems V: Commodities and Global Integration (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Stetson G, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Russell Hedberg, Pennsylvania State University; Karl S. Zimmerer, Pennsylvania State University

CHAIR(S): Russell Hedberg, Pennsylvania State University

**10:00** Ashlee Adams\*, Penn State University, *Is Quinoa a Quick Fix?: Commercialization, Resilience, and Bolivian Smallholders..*

**10:20** Thomas J. Bassett, Dr.\*, University of Illinois at Urbana-Champaign; Adou Yao, Dr., Université Félix Houphouët-Boigny, Cocody; Moussa Koné, Dr., Université Félix Houphouët-Boigny, Cocody; Jean-Baptiste Ettien Djetchi, Dr., Université Félix Houphouët-Boigny, Cocody; Nathan Pavlovic, University of Illinois at Urbana-Champaign, *Scaling Up or Reassembling Agricultural Value Chains? Mapping Cashew Quality and Incomes in Côte d'Ivoire.*

**10:40** William G. Moseley\*, Macalester College, *Value (Chain) Proposition: Mali's Smallholder Farmers and Global Agriculture's Final Frontier.*

**11:00** Elizabeth Louis\*, East-West Center, *Food Sovereignty Galas: Transnational Activism for Rich Moral Economies and Poor Livelihoods.*

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Discussant(s): Ryan Edward Galt, University of California - Davis

## 2257. Geographies of Media VII: Mediated Phenomenology (Sponsored by Communication Geography Specialty Group)

Room: Addams, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): John Finn, Christopher Newport University; Laura Sharp, University of Arizona; Joseph Palis, North Carolina State University

CHAIR(S): John Finn, Christopher Newport University

10:00 Adam C. Morse\*, University of Oregon, *The Popular Geopolitics of the film Zero Dark Thirty: Emotional, Phenomenological and Non-Representational Geographies*.

10:20 Nathaniel Ray Pickett\*, University of Kansas, *Stalker, Stalker (1979), S.T.A.L.K.E.R., and stalkers: Life, Art, Imitation, and Memory*.

10:40 Torsten Wissmann\*, Institute of Geography, University Mainz, *Phenomenology of Sacred Silence. Experiencing the Alien in the Soundscape of the Sanctuary*.

11:00 Kevin E. McHugh\*, Arizona State University; Jennifer L. Kitson, Arizona State University; Patrick E. McHugh, University at Buffalo, *Alien Phenomenology--Sounding the Thermal*.

Discussant(s): George Revill, The Open University

## 2258. South Asia: A land of challenges, pathfinders and solutions - II (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group)

Room: Burnham, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Chandana Mitra, Auburn University

CHAIR(S): Gargi Chaudhuri, University of Wisconsin La Crosse

10:00 Gargi Chaudhuri\*, University of Wisconsin La Crosse, *Spatio-temporal dynamics between and land cover change and land surface temperature: A comparative study between India and Bangladesh*.

10:20 Ujjaini Das\*, Truman State University, *Using Interpretive Method to Analyze Electronic Waste Policy*.

10:40 Alark Saxena\*, Yale University; Robert Bailis, PhD, Yale University; Burak Guneralp, PhD, Texas A&M University, *Using Sustainable livelihoods framework for analyzing resilience: Examining a novel approach*.

11:00 Andrew Ashley, MA Student\*, University of Kentucky, *Feeding the Diaspora: South Asian food production in the United States*.

## 2259. Analyzing Resilience through Disaster Response, Risk Perception and Risk Communication (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Dusable, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Tim G. Frazier, University of Idaho; Laura Kathryn Siebeneck, University of North Texas

CHAIR(S): Tim G. Frazier, University of Idaho

10:00 Margarida Queiros\*, University of Lisbon; Marcelo Frago, Universidade de Lisboa; Nuno Marques da Costa, Universidade de Lisboa, *Impacts of thunderstorms in Portugal: a geographical approach based on a news media database of damages produced by lightning and hail*.

10:20 Kwadwo Adu Boakye\*, Joseph Oppong, PhD; Chetan Tiwari, PhD, *Emergency Fire Response In Ghana*.

10:40 Jochen Albrecht, Dr.\*, Hunter College CUNY; Miriam Abramovitz, Dr., Hunter College, CUNY, *Communities of Accumulated Disadvantage*.

11:00 Khai Hoan N. Nguyen\*, University of South Carolina, *A Case Study of Institutional Resilience along the Mississippi Gulf Coast in the context of Hurricane Katrina*.

11:20 Rafael Calderón-Contreras\*, Universidad Autonoma Metropolitana, *Socio-Ecological Effects of Forest Regime Shifts: Identifying Resilience through*

*Community-Based Perception*.

## 2260. Taking Account of Culture in the Study of Risk and Disasters, and in Disaster Risk Reduction (DRR) Practice II (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group, Development Geographies Specialty Group)

Room: Field, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Fred Krueger, University of Erlangen-Nuremberg; Alexandra Titz, Friedrich-Alexander-University Erlangen-Nürnberg

CHAIR(S): Fred Krueger, University of Erlangen-Nuremberg

Panelists: Craig Colten, Louisiana State University; Ashley Coles, Georgia Southern University; Chris S. Renschler, University at Buffalo (SUNY); Matthias Garschagen, United Nations University, Institute for Environment and Human Security

## 2261. Strategic role of the commons for movements and academics 2: Commons, autonomy, and spatial practices (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Horner, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Michelle Wenderlich; Amy Braun, University of North Carolina - Chapel Hill - Chapel Hill, NC; Joao Bosco Moura Tonucci Filho, Universidade Federal De Minas Gerais

CHAIR(S): Michelle Wenderlich

Panelists: Amy Braun, University of North Carolina - Chapel Hill - Chapel Hill, NC; Joseph J. Varga, Indiana University; Joao Bosco Moura Tonucci Filho, Universidade Federal De Minas Gerais; Son Edworthy, University of Calgary; Amanda Huron, University of the District of Columbia

## 2262. PREM - Geographies of the contemporary home front: the militarisation of public policy, civic institutions, and the third sector (Sponsored by Cultural Geography Specialty Group)

Room: McCormick, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Matthew F. Rech, Newcastle University

CHAIR(S): Matthew F. Rech, Newcastle University

Introducer: Matthew F. Rech

10:20 Demet Asli Caltekin\*, University of Durham, *Militarising education on the contemporary Turkish home front*.

10:40 Alice Cree\*, Durham University, *Narratives of heroism and sacrifice in Help for Heroes: Affective atmospheres and the 'Hero soldier'*.

11:00 David Karjanen\*, University of Minnesota, *Mapping the American Domestic Military-Industrial-Culture Complex*.

Discussant(s): Emily Gilbert, University of Toronto

## 2263. Critical interventions in a multispecies world (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Animal Geography Specialty Group)

Room: Ogden, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Rosemary-Claire Collard, University of Toronto; Kathryn Gillespie, University of Washington

CHAIR(S): Kathryn Gillespie, University of Washington

Panelists: Karen M. Morin, Bucknell University; Jacque (Jody) L. Emel, Clark University; Susan Ruddick, University of Toronto; Richard White, Sheffield Hallam University; Connie Johnston, University of Oregon; Heidi J. Nast, DePaul University

## 2264. Accessibility nodes as focal points of urban and regional development: The cases of airports and high-speed railway stations (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)

Room: Wright, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Sven Conventz; Boris Braun, University of



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- Cologne; Fabian Sonnenburg, University of Cologne  
CHAIR(S): Alain Thierstein, Munich University of Technology  
**10:00** Andreas Schmitt\*, Technische Universität München, *Better Airport Regions*.
- 10:20** Fabian Sonnenburg\*, University of Cologne; Boris Braun, University of Cologne, *Spatial Interactions Between Large Airports and Urban Economies: Small-scale Analyses in Australian Metropolitan Areas*.
- 10:40** Sven Conventz\*, Technical University of Munich; Hanno Kempermann, Cologne Institut for Economic Research; Alain Thierstein, Technical University of Munich, *Airports - New centers of innovation and knowledge-based activities. The case of Munich..*
- 11:00** Anna Gasco, MSc.Urban Design, M.Arch\*, ETH Zürich Future Cities Laboratory Singapore, *The Airport and the Territory: Cross-border Flows in the Singapore-Johor-Riau Tri-national Region*.
- 11:20** Khaula Alkaabi, PhD\*, United Arab Emirates University, *Accessibility node and urban development: Case of Dubai International Airport, UAE*.
- 2265. Feminist Geophilosophy (1) (Sponsored by GeoHumanities Theme, Cultural Geography Specialty Group)**  
*Room:* Michigan A, Hyatt, East Tower, Ped Path (Paper Session)  
ORGANIZER(S): Angela Last, University of Glasgow; Kathryn Yusoff, Queen Mary University of London  
CHAIR(S): Angela Last, University of Glasgow  
**10:00** Kathryn Yusoff\*, Queen Mary University of London; Mary E. Thomas\*, Ohio State University, *Shaft: the geophilosophies of extraction*.
- 10:10** Kai A. Bosworth\*, University of Minnesota - Minneapolis, *Knowing porous matter: hydrogeology, extraction and the subterranean body politic*.
- 10:30** Sarah De Leeuw\*, University of Northern British Columbia, *Eros and Geophilosophy: Some Poetic Reflections*.
- 10:50** Nigel Clark\*, Lancaster University, *Feminist Pyrotechnics*.
- 11:10** Bruce Braun\*, University of Minnesota; Jessica Lehmann, University of Minnesota, *Extractive anxieties: sex panics and American energy production*.
- 2266. The Financialization of City-making: Articulating critical perspectives (2)**  
*Room:* Michigan B, Hyatt, East Tower, Ped Path (Paper Session)  
ORGANIZER(S): Antoine Guironnet, LATTS, Université Paris-Est; Ludovic Halbert, University Paris-Est, LATTS  
CHAIR(S): Ludovic Halbert, University Paris-Est, LATTS  
**10:00** Mary Robertson\*, University of Leeds, *Floundering between abstract and concrete: why we need to bring back the structures of provision approach in the study of the financialisation of housing*.
- 10:20** Félix Adisson, PhD candidate\*, Université Paris-Est (LATTS) and Politecnico di Milano (DASTU), *The assetization of state places and its consequences for cities. Insights from the railway properties in France and Italy..*
- 10:40** Joseph A. Daniels\*, University of British Columbia, *Securitizing Spectacle: real estate investments trusts, property, and the financialization of urban retail spaces in Singapore*.
- 11:00** Kerstin Bläser\*, Goethe-University Frankfurt, *Integration of financial and property markets: some conceptual thoughts about "blank spaces"*.
- 11:20** David Gilbert, Professor\*, Geography, Royal Holloway, University of London, *Cultures of Consumption and the Financialisation of Urban Space: from 'Swinging London' to 'Carnaby Village'..*
- 2267. Urban Development Conflicts: Democracy, Social Change and Politics in the Global North and South?**  
*Room:* Michigan C, Hyatt, East Tower, Ped Path (Paper Session)  
ORGANIZER(S): Nina Gribat, TU Berlin; Melanie Lombard, University of Manchester - Manchester  
CHAIR(S): Nina Gribat, TU Berlin  
**10:00** Andrew Shmueli\*, Department of Geography, UBC, *Revitalization as Recuperation: From Urban Renewal to Gentrification and Back Again*.
- 10:20** Melanie Lombard\*, University of Manchester - Manchester, *Land conflict in peri-urban areas: A case study from Xalapa, Mexico*.
- 10:40** Corinna Hölzl\*, Christian-Albrechts-Universität zu Kiel, *The emancipatory potential of urban development conflicts: Observations from Santiago de Chile*.
- 2268. Environment, Economy and Energy: Value of Regional and Local Solutions to Global Challenges (Sponsored by Human Dimensions of Global Change Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)**  
*Room:* Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)  
ORGANIZER(S): Pankaj Lal, Montclair State University  
CHAIR(S): Pankaj Lal, Montclair State University  
**10:00** Pankaj Lal, PhD\*, Montclair State University; Bernabas Wolde, Montclair State University; Pralhad Burli, Montclair State University, *Forest and agricultural biomass based energy production and associated tradeoffs and sustainability issues*.
- 10:20** Papia Raj\*, Indian Institute of Technology Patna, *Challenges of Solid Waste Management in Patna, India*.
- 10:40** Jason S Darley\*, Montclair State University; Danlin Yu, Associate Professor, Montclair State University, *Addressing Environmental Concerns of Hydraulic Fracturing in Urban Areas Using GIS*.
- 11:00** Rachel Maynard\*, Montclair State University; Pankaj Lal, Dr., Montclair State University; Greg Pope, Dr., Montclair State University; Pralhad Burli, Montclair State University; Bernabas Wolde, Montclair State University, *Relationship between the contaminated area of Liberty State Park, economic value of environmental amenities and impact on surrounding real estate areas*.
- 11:20** Aditi Ranjan\*, MYMA Solutions, *Analyzing factors that influence the mode choice from home to metro rail stations: Insights to reduce automobile dependency in Delhi*.
- 2269. Changing Climatic and Physical Landscapes (Sponsored by Climate Specialty Group)**  
*Room:* Randolph, Hyatt, East Tower, Ped Path (Paper Session)  
ORGANIZER(S): Jase Bernhardt, Penn State University; Johnathan Kirk, Kent State University; Adrienne Tucker  
CHAIR(S): Jase Bernhardt, Penn State University  
**10:00** Johnathan Kirk\*, Kent State University, *Spatiotemporal Trends in the Recent Climatic Landscape of the Southwestern United States*.
- 10:20** Adrienne K Tucker\*, Pennsylvania State University, *Impact of Land-Use/Land-Cover and Soil Moisture Gradients on the Northern Tier Derecho-Producing Corridor*.
- 10:40** Siyang Zhang\*, University of Missouri-Columbia; Micheal A. Urban, University of Missouri-Columbia, *Incorporating Soil Data to Better Parametrize Historical Water Budget Calculations*.
- 11:00** Fei Yuan, PhD, MN State University; Martin D Mitchell, PhD\*, MN State University, *Long-Term Climate Change from 1920 to 2010 in Minnesota*.
- 11:20** Jase Bernhardt, Graduate Student\*, Penn State University, *Using Hourly Data for Daily Temperature Averaging*.



# WEDNESDAY, APRIL 22 • 10:00 AM - 11:40 AM • 2200

## 2270. Human Geography Poster Session

**Room:** *Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)*  
See pages 168-172.

## 2273. New Urban Mobilities & Racialization

**Room:** *Lucerne 1, Swissôtel, Lucerne Level (Paper Session)*  
ORGANIZER(S): John Stehlin, University of California, Berkeley; Emily Reid-Musson, University of Toronto  
CHAIR(S): Emily Reid-Musson, University of Toronto  
10:00 John Stehlin\*, University of California, Berkeley, *Does Infrastructure Have Race? Reflections on Race, Space, and Mobility.*  
10:20 Melody Hoffmann, PhD\*, Anoka Ramsey Community College, *"the artery": the complications of melding art, urban planning, and a bike trail in Milwaukee's Black community.*  
10:40 William Lindeke\*, University of Minnesota, *new bicycle riders and affective difference in Minneapolis/Saint Paul.*  
11:00 Matthew Palm\*, University of California - Davis; Naomi C. Reimer, University of California - Davis, *Transit-Oriented Development and Urban Displacement: An Inverse Great Migration?*  
Discussant(s): Justin Spinney, University of Surrey

## 2274. Spatiotemporal Symposium: Emerging Topics in Data-driven Geography (2) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

**Room:** *Lucerne 2, Swissôtel, Lucerne Level (Paper Session)*  
ORGANIZER(S): Song Gao, UC Santa Barbara; Bo Zhao, The Ohio State University  
CHAIR(S): Linna Li, California State University, Long Beach  
10:00 Yingjie Hu\*, UC Santa Barbara; Song Gao, UC Santa Barbara; Krzysztof Janowicz, UC Santa Barbara; Bailang Yu, East China Normal University; Wenwen Li, Arizona State University; Sathya Prasad, Esri Inc., *Extracting and Understanding Urban Areas of Interest Using Geotagged Photos.*  
10:20 Marta Jankowska\*, University of California San Diego; Jasper Schipperijn, University of Southern Denmark; Jacqueline Kerr, University of California San Diego; Kristin Meseck, University of California San Diego, *Data-Driven Approaches for Future Inquiry into Environmental Correlates with Physical Activity.*  
10:40 Hu Shao\*, Arizona State University; Yi Zhang, Peking University; Wenwen Li, Arizona State University, *Extraction and Analysis of Tourists' Spatiotemporal Behavior Based on Social Media Data.*  
11:00 Shen Yue Jia\*, University of California, Los Angeles; Gregory S. Okin, University of California, Los Angeles, *Dealing with the Complexity through Comprehensive Description: A Case Study on Dynamics of MODIS-derived Ground Components and their Response to Climate Anomalies.*  
Discussant(s): Michael F. Goodchild, University of California - Santa Barbara

## 2275. Settler Colonialism and the City: Spatial Narratives of Erasure (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group, Indigenous Peoples Specialty Group)

**Room:** *Lucerne 3, Swissôtel, Lucerne Level (Paper Session)*  
ORGANIZER(S): Daniela Aiello, Simon Fraser University; Jessica Hallenbeck, University of British Columbia; Natalie Knight  
CHAIR(S): Daniela Aiello, Simon Fraser University  
10:00 David Hugill\*, York University, *Settler Colonization and the making of an "urban reservation" in Minneapolis.*  
10:20 Jessi Quizar\*, Northwestern University, *Urban Pioneers:*

*Race, Settler Colonial Narratives, and Land Speculation in Dertiot.*

10:40 Sarah Cooper\*, University of Illinois At Chicago, *The Forks, Winnipeg: Planning in a colonial context.*

11:00 Nathan W. Swanson\*, University of North Carolina-Chapel Hill, *Settling the City: Parks, Preservation, and Planning in Jerusalem.*

Discussant(s): Daniela Aiello, Simon Fraser University

## 2276. Environmental Discourses: Water, the Urban, and the Green (Sponsored by Urban Geography Specialty Group, Water Resources Specialty Group)

**Room:** *Alpine 1, Swissôtel, Lucerne Level (Paper Session)*  
ORGANIZER(S): Julie Cidell, University of Illinois  
CHAIR(S): Kate Lester, University of North Texas  
10:00 Jennifer Mateer\*, University of Victoria, *Water is not about water: A critical analysis of the Columbia River Treaty.*  
10:20 Richard Kruger\*, Rutgers University, *Assembling the "Green Machine": green infrastructure and discourses of urban political ecology.*  
10:40 Pablo De Oliveira Carneiro\*, UFRJ, *Discourses in Rio de Janeiro's landscapes a study from its two iconic parks.*  
11:00 Katherine Ann Lester, M.S.\*, University of North Texas, *A Political Ecology of Homeless-Vulnerable Neighborhoods in Houston, Texas.*

## 2277. Carceral Geographies VII: Future Directions in Carceral Geographies

**Room:** *Alpine 2, Swissôtel, Lucerne Level (Panel Session)*  
ORGANIZER(S): Jennifer Turner, University of Leicester; Dominique Moran, University of Birmingham  
CHAIR(S): Jon Coaffee, University of Warwick  
Panelists: Shaul Cohen, University of Oregon; Nick Gill, Exeter University; Dominique Moran, University of Birmingham; Deirdre Conlon, University of Leeds / SPU; Jennifer Turner, University of Leicester

## 2278. The Huff Model: from origins to modeling legacy (Sponsored by Business Geography Specialty Group)

**Room:** *Zermatt/Gstaad, Swissôtel, Lucerne Level (Panel Session)*  
ORGANIZER(S): Tony Hernandez, Ryerson University; Anthony Lea  
CHAIR(S): Tony Hernandez, Ryerson University  
Panelists: Anthony Lea; Alexander Stewart Fotheringham, Arizona State University

## 2279. Soils and Pedogenesis

**Room:** *St. Moritz, Swissôtel, Lucerne Level (Paper Session)*  
ORGANIZER(S): Program Committee  
CHAIR(S): Andrew Bach, Western Washington University  
10:00 Nasser A. Alsaaran\*, King Saud University, *Assessment of soil leaching requirements in Hassa oasis by using geochemically-based simulation model.*  
10:20 Zerui Liu\*, Peking University; Junjian Wang, Clemson University; Hui Zeng, Peking University, *Soil metal pool responses to experimental climate changes in a temperate steppe.*  
10:40 Michael Shouse\*, Southern Illinois University Edwardsville; Jonathan D Phillips, PhD, University of Kentucky, *Comparison of Biomechanical Soil Deepening by Trees in Sedimentary Systems with Differing Bedding Characteristics.*  
11:00 Oluwayemisi Bukola Omosuyi\*, Adeyemi College of Education, *Forest encroachment and its impact on soil properties.*  
11:20 Andrew Bach\*, Western Washington University; Paul Whelan, MS, I.M. Systems Group, Inc, *One-hundred Years of Pedogenesis in a Deglaciating Valley, Mt. Baker, WA.*

**WEDNESDAY, APRIL 22 • 10:00 AM - 11:40 AM • 2200****2280. Transformation in Myanmar: Perspectives on Social, Economic, Political and Spatial Changes (Sponsored by Asian Geography Specialty Group)***Room:* Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Chung-Tong Wu, University of Western Sydney; Marion SABRIE, EHESS/ Center for Southeast Asian Studies (Paris)

CHAIR(S): Chung-Tong Wu, University of Western Sydney

**10:00** Marion Sabrie\*, EHESS. Center for Southeast Asian Studies (CASE). Paris, *"Save the Irrawaddy!" The new perceptions of the central river valley by its inhabitants in the contemporary Myanmar context.***10:20** Martin Michalon\*, EHESS, *From floating gardens to stilt resorts: tourism as a driving force of territory's mutations in the region of the Inle Lake (Myanmar).***10:40** Chantel M. Welch\*, University of Arizona, *Building trust through agricultural partnerships: the need for cooperative extension in Myanmar.***11:00** Chung-Tong Wu, Professor\*, University of Technology Sydney, *Cross-Border Trade and Regional Development in Myanmar: Opportunities and Obstacles.*

Discussant(s): Marion SABRIE, EHESS/ Center for Southeast Asian Studies (Paris)

**2281. Tourism and violence: a critical perspective (Sponsored by Recreation, Tourism, and Sport Specialty Group)***Room:* Verbier, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Anne-Marie D'Hauteserre, University of Waikato

CHAIR(S): Anne-Marie D'Hauteserre, University of Waikato

**10:00** Kayode D. Aleshinloye\*, Texas A & M University; Kyle M Woosnam, Ph.D, Texas A&M University, *Perceived safety at the Osun Osogbo Sacred Grove: A comparative study of visitors to the UNESCO World Heritage Site in Nigeria..***10:20** Alec Brownlow\*, DePaul University, *Using Rape: Homicide Ratios to Reveal America's Hidden Rape Crisis.***10:40** Heather Agnew\*, UCLA Geography, *Body Counts-- The Balloon Effect of Drug Trafficking and Gender Violence in Mexico and Central America.***11:00** Edward-John Bottomley\*, University of Cambridge, *The violence of photography: race and suffering in the twentieth-century photography of 'poor whites'..*

Discussant(s): Analiese Richard, University of the Pacific

**2283. Crafting a successful NSF proposal: A discussion with former NSF program officers (Sponsored by AAG Jobs and Careers Theme)***Room:* 200 Classroom, University of Chicago Gleacher Center, 2nd Floor (Panel Session)

ORGANIZER(S): Daniel J. Hammel, University of Toledo

CHAIR(S): Antoinette MGA. WinklerPrins, Johns Hopkins University

Panelists: Daniel J. Hammel, University of Toledo; Antoinette MGA. WinklerPrins, Johns Hopkins University; David L. McGinnis, Montana State University Billings

**2284. Biofuels, Bioenergy, and the Emerging Bio-Economy II: Landscapes (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)***Room:* 203 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Peter Kedron, Ryerson University; Jennifer Baka, London School of Economics; Kean Birch, York University

CHAIR(S): Kirby Calvert

**10:00** Festus Boamah\*, Department of Geography, University of Bergen. Norway., *Amorphous biofuel governance mechanisms or wrong timing? Interrogating unsettled issues in the jatropha biofuel bubble in Africa.***10:20** Christina Plank\*, Department of Political Science,University of Vienna; Anke Schaffartzik, Institute of Social Ecology, Alpen-Adria University Klagenfurt-Wien-Graz; Alina Brad, Department of Political Science, University of Vienna, *Sustainable Agrofuels? Analyzing a Vicious Cycle.*

Discussant(s): Jennifer Baka, London School of Economics

**2285. Central American 'Crisis' Revisited 2: Resource & environmental crises (Sponsored by Political Geography Specialty Group, Latin America Specialty Group, Development Geographies Specialty Group)***Room:* 204 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Zoe Pearson, Ohio State University; Kendra McSweeney, The Ohio State University; Brian Williams, The University of Georgia

CHAIR(S): Brian Williams, The University of Georgia

**10:00** Alexandra B. Pedersen, MA, PhD Candidate\*, Queen's University, *Undermining Human Rights: A Critical and Spatial Analysis of Canadian Mining Companies' Operations in Guatemala.***10:20** Fiona Wilmot\*, Texas A&M, *Cold War to Corn War: the Millennium Challenge Corporation in El Salvador's Lower Lempa.***10:40** Nikolai Alexander Alvarado\*, University of Denver, *Cuento Chino? The Nicaraguan Canal, Land Grabs, and Displacement.***11:00** Mark A Bonta\*, Penn State-Altoona; Ricardo Steiner, Honduran Conservation Coalition, *Honduran environmentalism at 40: Founders' accounts.*

Discussant(s): David J. Wrathall, United Nations University - Institute for Environment and Human Security

**2286. Cartography in the Classroom: Pedagogy, Techniques, and Research on Teaching (Sponsored by Cartography Specialty Group)***Room:* 300 Classroom, University of Chicago Gleacher Center, 3rd Floor (Panel Session)

ORGANIZER(S): Ian Muehlenhaus, James Madison University; Amy Griffin, UNSW Canberra

CHAIR(S): Ian Muehlenhaus, James Madison University

Panelists: Ian Muehlenhaus, James Madison University; Fritz C. Kessler, Frostburg State University; Pontus Hennerdal, Stockholm University; David Fairbairn, Newcastle University; Rob Edsall, Idaho State University; Jeff Howarth, Middlebury College

**2287. Fluvial Geomorphology 2 - Meandering Rivers (Sponsored by Geomorphology Specialty Group)***Room:* 303 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Kory M. Konsoer, Louisiana State University; Jessica Zinger

CHAIR(S): Kory M. Konsoer, Louisiana State University

**10:00** Noah Slovin, MS\*, University of Massachusetts, Amherst, *Using Digital Elevation Models Derived from Airborne LiDAR and Other Remote Sensing Data to Model Channel Networks and Estimate Fluvial-Geomorphological Metrics.***10:20** Jessica A Zinger\*, Geography and Geographic Information Science, University of Illinois Urbana-Champaign; Bruce L Rhoads, Geography and Geographic Information Science, University of Illinois Urbana-Champaign; Jim Best, Geology, Geography and Geographic Information Science, Mechanical Science and Engineering, and Ven Te Chow Hydrosystems Laboratory, University of Illinois Urbana-Champaign, Champaign; Kevin Johnson, USGS Illinois Water Science Center, Urbana, IL, *Linking hydroacoustic measurements of flow structure to morphologic change at an actively evolving chute cutoff on the Wabash River, IL-IN.*

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**10:40** Devin M Lea\*, University of Wyoming; Carl J Legleiter, University of Wyoming, *Refining measurements of river channel change from image time series by quantifying spatial variations in registration error.*

**11:00** Cesar R. Castillo\*, Texas A&M University; Inci Güneralp, Ph.D., Texas A&M University; Billy Hales, Texas A&M University, *Spatial variability in hydrologic connectivity between a coastal river and its floodplain.*

Discussant(s): Kory M. Konsoer, Louisiana State University

**2288. Making Other Worlds Possible VII: How Values, Ethics, and Commons Practices (Re)Format Markets and Economies (Sponsored by Cultural Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* 304 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Kevin St. Martin, Rutgers University  
CHAIR(S): Elizabeth S. Barron, University of Wisconsin - Ohskosh

**10:00** Christian Berndt\*, University of Zurich, *Diverse Markets.*

**10:20** Paul Foley, Environmental Policy Institute, Memorial University of Newfoundland; Charles Mather\*, Memorial University of Newfoundland, *Diverse economies, resource allocation and catch shares: learning from Canada's northern shrimp industry.*

**10:40** Patrick Bresnihan\*, Maynooth University, *From Commons to Commoning, or a Non-liberal Account of the Commons.*

**11:00** Luke Fairbanks\*, Duke University, *Assembling the ocean: Exploring the tools, practices, and futures of US oceans governance.*

**11:20** Kevin St. Martin\*, Rutgers University, *Diverse Economies for Liveable Worlds: The Ethics of Small Scale Fishing.*

**2289. Geographies of Activism and Protest II (Sponsored by Cultural Geography Specialty Group)**

*Room:* 306 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Patricia Burke Wood, York University; Richard White, Sheffield Hallam University

CHAIR(S): Simon Runkel, University of Bonn, Department of Geography

**10:00** Valentina Capurri\*, Ryerson University, *Indigenous Armed Resistance as Activism.*

**10:20** Sam Hind\*, University of Warwick, *Situating failure: digital mapping the protest event.*

**10:40** Matthew Rosenblum\*, University of Kentucky, *Being the Anti-Zionist Killjoy: An Intervention in the Activist Geopolitics of American Jewishness.*

**11:00** Sophie Bond\*, University of Otago, Aotearoa New Zealand; Amanda Thomas, Victoria University of Wellington, Aotearoa New Zealand; Gradon Diprose, Open Polytechnic, Aotearoa New Zealand, *Between Alternative Futures and Protest: Deep sea oil drilling in Aotearoa New Zealand.*

**11:20** James Bellamy Walker, MA Candidate\*, Brock University, St. Catharines, Ontario, *Placards, hatchets & the affirmative activism of Petr Kropotkin.*

**2290. Spatial Data Mining and Big Data Analytics (6) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**

*Room:* 406 Classroom, University of Chicago Gleacher Center, 4th Floor (Paper Session)

ORGANIZER(S): Diansheng Guo, University of South Carolina; May Yuan, University of Texas - Dallas; Harvey J. Miller, The Ohio State University

CHAIR(S): Fang Qiu, University of Texas - Dallas

**10:00** Qing Zhu\*, Nanjing Institute of Geography and Limnology, CAS; Xiaoming Lai, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences; Fei

Xu, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences; Kaihua Liao, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences, *Using Residual Analysis in Electromagnetic Induction Data Interpretation to Improve the Mapping of Hydrogeological Properties.*

**10:20** Di Yang\*, University of Florida; Jingyin Tang, University of Florida, *Monitor, Model and Assimilate Vegetation Dynamics Interaction with Forest Management Based on Global Remote Sensing Imagery.*

**10:40** Jing Gao\*, University of Illinois at Urbana-Champaign, *Simulating plausible spatial distributions of land cover mapping errors.*

**11:00** Qing Liu\*, University of Denver, *Bridging the Ocean of Big Data - Building a Web Application with Open Source Technology to Improve Access to Global Night-time Lights Data.*

**11:20** Fang Qiu\*, University of Texas - Dallas; Feng Ni, University of Texas - Dallas; Yuhong Zhou, University of Texas - Dallas, *Advances in Remote Sensing Technology Demand New Big Spatial Data Analytics.*

**2291. Unequal Neighborhoods 2; Refugees, Immigration and Urban Space (Sponsored by Population Specialty Group)**

*Room:* 422 Classroom, University of Chicago Gleacher Center, 4th Floor (Paper Session)

ORGANIZER(S): Pablo Mateos, CIESAS

CHAIR(S): Audrey Lumley-Sapanski, Penn State University

**10:00** Donna Schiess, Department of Communication, Western Kentucky University; Jun Yan\*, Western Kentucky University; Jian Zhang, Connected Nation; Douglas C. Smith, Department of Sociology, Western Kentucky University, *Spatial Analysis of the Resettlement and Assimilation of Burmese Refugees in a Middle-Size U.S. City - A case study in Bowling Green, Kentucky, U.S.A..*

**10:20** Wonseok Park\*, Daegu University, *Settlement Path and Residential Location Choice of Korean Immigrants in United States.*

**10:40** Stacy Anne Harwood, PhD\*, University of Illinois, *Land Banks, Urban Homesteading and Immigration: Local Planning Strategies in Rust Belt Cities.*

**11:00** Paul N. McDaniel\*, American Immigration Council, *Receptivity in a New Immigrant Gateway: Immigrant Settlement Geography, Public Education, and Immigrant Integration in Charlotte, North Carolina.*

**11:20** Audrey Lumley-Sapanski\*, Penn State University, *The Role of Neighborhood in Adaptation: Refugee Resettlement in Chicago's Northside.*

**2292. Geosimulation and Big Data: A Marriage made in Heaven or Hell? (2)**

*Room:* 600a Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Nick Malleon, University of Leeds

CHAIR(S): Alison Heppenstall

**10:00** Kostas Cheliotis\*, CASA UCL, *Coupling Public Space Simulations with Real-Time Data Streams.*

**10:20** Andrew Crooks\*, George Mason University; Sarah Wise, Dr, University College London, *Leveraging Crowdsourced data for Agent-based modeling: Opportunities, Examples and Challenges.*

**10:40** Ed Manley\*, Centre for Advanced Spatial Analysis (CASA), University College London; Chen Zhong, Centre for Advanced Spatial Analysis (CASA), University College London; Michael Batty, Centre for Advanced Spatial Analysis (CASA), University College London, *Towards Real-Time Simulation of Transportation Disruption - Building Agent Populations from Big Mobility Data.*

**11:00** Alison J Heppenstall\*, Centre for Spatial Analysis and Policy, School of Geography, University of Leeds,

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LS2 9JT, UK.; Nick Malleeson\*, University of Leeds; Andrew Evans, Centre for Spatial Analysis and Policy, School of Geography, University of Leeds, LS2 9JT, UK, *Evaluating Big Data demographics for population modelling.*

- 11:20** Muhammad Adnan, University College London; Alistair Leak, University College London; Paul A. Longley\*, University College London, *Exploring the geo-temporal patterns of Twitter messages.*

**2293. Placing Education 2: Urban Spaces and Scales of Education Reform**

*Room:* 600b Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Dan Cohen, University of British Columbia; Christopher Lizotte, University of Washington

CHAIR(S): Christopher Lizotte, University of Washington

- 10:00** Sol Gamsu\*, King's College London, *What do we mean by geographies of social reproduction? Remembering the local and the urban in the age of 'global' social reproduction..*

- 10:20** Alice Huff\*, UCLA, *Public Education, Place-based Community Organizing, and the Public Sphere: Neighborhood Struggles Over Neighborhood Schooling in Post-Katrina New Orleans.*

- 10:40** Ee-Seul Yoon\*, University of Illinois, Urbana-Champaign, *Critical Geographic Information System: A New Spatial Approach to School Choice Policy Research.*

- 11:00** Haakan Forsberg\*, Uppsala University, *A Socio-spatial Analysis of the Swedish Free School Reform of 1992 and the Marketization of Upper Secondary Education in Stockholm.*

- 11:20** Caroline Loomis\*, CUNY Graduate Center, *Partitioned childhood: the geographies of charter school co-location.*

**2294. PREM - Wretched of the City: Race, Gender, Housing, and Security**

*Room:* 602 Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Christina Heatherton, Trinity College

CHAIR(S): Christina B. Hanhardt, University of Maryland

- 10:00** Steven Osuna\*, University of California, Santa Barbara, *Sounds from the Belly of the Beast: Rampart Police (Dis)order and the Psycho Realm Blues.*

- 10:20** Marisol LeBrón, PhD\*, Dickinson College, *Policing as Genocide: Mano Dura and Notions of Acceptable Violence in Puerto Rico.*

- 10:40** Christina Heatherton\*, Trinity College, *The "Broken Windows" of Rosa Ramos: Race, Gender, and Imminent Violability in the Neoliberal City.*

- 11:00** Jordan T. Camp, Ph.D.\*, Princeton University, *Mass Homelessness, Mass Incarceration, and Redistributive Justice in the City.*

Discussant(s): Christina B. Hanhardt, University of Maryland

**2295. Heritage and changing environments II: creative practices and responses**

*Room:* 604 Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Frances Rylands, University of Exeter; David Harvey, University of Exeter (UK); Caitlin DeSilvey, University of Exeter

CHAIR(S): David Harvey, University of Exeter (UK)

- 10:00** Simon Guy, FASS, Lancaster University; Angela Connelly\*, Lancaster Institute for Contemporary Art, Lancaster University, *Creative Uncertainty: Art, Heritage and Environmental Change in Gateshead (UK)..*

- 10:20** Richard White\*, Bath Spa University, *Lost Walks and White Horses: heritage in England's changing landscape.*

- 10:40** Frances Rylands\*, University of Exeter, *The Erosion Paradox: Creatively exploring change and risk on the Jurassic Coast World Heritage Site..*

- 11:00** Rachel Hunt\*, University of Glasgow, *Hutopia: 'There's mair tae it than trudging up and doon daft wet hills'.*

Discussant(s): Caitlin DeSilvey, University of Exeter

**2297. Towards a Theory of Urban Governance from Below**  
*Room:* 621 Executive Dining Room, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Akira Drake Rodriguez; Pierson Netting, Concordia University

CHAIR(S): Pierson Netting, Concordia University

- 10:00** Cecil Sagoe\*, University College London, *Governing the Neighbourhood: Exploring the Contested Governance of Housing in the Greater Carpenters Neighbourhood, London.*

- 10:20** Nabil Nazha\*, University of Illinois at Chicago, *Challenging Lebanon's Ethnocracy. The Role of Bottom-Up Movements in Altering Structural Patterns of Socio-Political and Spatial Inequalities..*

- 10:40** Stephen McFarland, Ph.D.\*, Queens College, CUNY, *Working Green Growth? Organized Labor in Urban Climate Justice Coalitions.*

- 11:00** Veronica Crossa\*, El Colegio de México, *Reading difference within informality. De-homogenizing street vending in Mexico City.*

- 11:20** Pierson Netting\*, Concordia University, *It Took a Tenants' Movement: Tenant Power, Local Empowerment and Contesting Urban Governance in Montreal.*

**WEDNESDAY, APRIL 22 • 11:50 AM - 1:10 PM • 2300****2315. Ukraine Roundtable 2.0: Bringing Eastern Ukraine, Crimea, Abkhazia, South Ossetia and Transnistria to the Table**

*Room:* Columbus EF, Hyatt, East Tower, Gold Level (Panel Session)

**ORGANIZER(S):** Jeremy Tasch, Towson University

**CHAIR(S):** Jeremy Tasch, Towson University

**Discussant(s):** John V. O'Loughlin, University of Colorado

**Sponsors:** Political Geography Specialty Group, Central Eurasian and East European Specialty Group, AAG Committee on International Research and Scholarly Exchange

The Ukraine Roundtable 2.0 continues the discussion started at the Tampa-AAG 2014 as the Ukraine crisis has worsened since it broke out in early 2014.

Sustained uncertainty about the eventual status in Eastern Ukraine suggests the possibility for greater longevity of this situation - a condition not unlike Transnistria in Moldova, and South Ossetia and Abkhazia in Georgia, which have maintained their de facto statehoods since the early 1990s.

As Moscow openly supports the elections held in separatist "people's republics" in the Donetsk and Luhansk regions of Ukraine, outside observers look on anxiously at the precedent this may suggest— that of a sovereign state annexing territory by force, supporting splinter "people's republics," and then returning to "business as usual."

Based on extensive public opinion survey research carried out in Eastern Ukraine, Crimea, Abkhazia, South Ossetia and Transnistria during December 2014, John O'Loughlin (University of Colorado) presents preliminary findings as he welcomes an engaged and wide-ranging lunchtime discussion on the ongoing crisis.

**2318. Specialty Group Chairs Meeting**

*Room:* Columbus JJ, Hyatt, East Tower, Gold Level (Meeting Session)

**AAG Department Chairs Luncheon**

*Room:* Columbus G, Hyatt, East Tower, Gold Level

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

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

**2319. A New Map of Global Ecological Land Units**

*Room:* Columbus KL, Hyatt, East Tower, Gold Level (Paper Session)

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

**Speaker:** Roger Sayre, United States Geological Survey

**Chair:** Charlie Frye, Esri

**Sponsors:** AAG, USGS, Esri, Group on Earth Observations

A new, high resolution global ecological land units map has been produced in a collaboration between the U.S. Geological Survey and Esri. The initial products from the collaboration include the data, a map, an ecosystem browser application, and a Special Publication by the Association of American Geographers (AAG). The data are intended to be useful for climate change impact analyses, biodiversity conservation planning, assessments of economic and social value of ecosystem goods and services, scientific research, and resource management. In addition to being downloadable in the public domain, the resources will be included as landscape content in the Living Atlas of ArcGIS Online. As a mesoscale, data-derived, global ecosystems map, this map is an improvement on and extends previous macroscale, interpretive, ecoregionalizations of the planet.

**2370. Human Geography Poster Session**

*Room:* Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)  
See pages 168-172.

**WEDNESDAY, APRIL 22 • 1:20 PM - 3:00 PM • 2400****2401. Pyrogeography III: Fire Drivers (Sponsored by Cultural and Political Ecology Specialty Group, Remote Sensing Specialty Group, Biogeography Specialty Group)***Room:* Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Paul Laris, CSU Long Beach; Leif Brottem, University of Wisconsin- Madison; Jennifer Marlon, Yale University

CHAIR(S): Brian I. Magi, UNC Charlotte

**1:20** Brian I. Magi\*, UNC Charlotte; Sam S. Rabin, Princeton University, *Untangling Pyrogeographies Using Global Fire Modeling*.**1:40** Catherine Airey Lauvaux\*, Penn State University; Alan H Taylor, Penn State University, *Vegetation change in a Douglas-fir -sagebrush-grassland landscape mosaic influenced by fire suppression, livestock grazing, and climate change*.**2:00** Ryan Kelly\*, Boston University; Feng Sheng Hu, University of Illinois, *Widespread burning of Alaskan boreal forests overcomes fuel limitation in the 21st century*.**2:20** Sam S. Rabin\*, Princeton University; Brian I. Magi, University of North Carolina at Charlotte; Elena Shevliakova, NOAA Geophysical Fluid Dynamics Laboratory; Stephen Pacala, Princeton University, *Estimation of Cropland And Pasture Burning Practices At Large Scales*.**2:40** Kaitlin A Tasker\*, Department of Geography and the Environment, University of Texas at Austin; Eugenio Arima, Ph.D., Department of Geography and the Environment, University of Texas at Austin, *The relative roles of precipitation and anti-deforestation policies on the occurrence of forest fires: the Brazilian Amazon case*.**2402. Encountering China in Fieldwork and Research (Sponsored by China Specialty Group)***Room:* Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Yang Yang, University of Colorado at Boulder; Harg Luh Sin, National University of Singapore

CHAIR(S): Yang Yang, University of Colorado at Boulder

**1:20** Harg Luh Sin\*, National University of Singapore; Yang Yang, University of Colorado at Boulder, *When in China, Drink as the Chinese Do? Ethical Dilemma of Drinking in Academic Life*.**1:40** Lili Wang\*, The Ohio State University, *Exploring the Ethnography of the Chinese State*.**2:00** Yawei Zhao\*, McGill University; Sarah Turner, McGill University, *"How can I criticize my hometown?" Baizu student-insider and Western supervisor-outsider debates regarding fieldwork in southwest China*.**2:20** Jia Feng\*, Michigan State University, *Sneaking in under cover of science --Changing expectation and recipe in a fieldwork in Beijing*.

Discussant(s): C.P. Pow, National University of Singapore

**2405. Urban Architecture***Room:* Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Per Gunnar Røe, University of Oslo, Department of Sociology and Human Geography

**1:20** Alison Hotten\*, University of Nevada, Reno, *The Jewish Architects Who Designed Miami Beach*.**1:40** Lance Owen\*, University of California, Berkeley, *Everything's Up To Date: Modern High-Rise Apartments in the Kansas City Suburbs, 1925-1930*.**2:00** Michael J Short, Dr.\*, University of the West of England, Bristol, *Conservation of The Postmodern Heritage - Radical Conservation At Work?*.**2:20** Markus Laine\*, University of Tampere; Helena Leino, University of Tampere, *Urban infill: a planning challenge for citizens, city and private companies*.**2:40** Per Gunnar Røe\*, University of Oslo, Department ofSociology and Human Geography, *Staging the compact city - the role of architectural representations*.**2406. Wine Plenary Session with James Laughren, CWE (Sponsored by Wine Specialty Group)***Room:* Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Robert P. Sechrist, Indiana University of Pennsylvania

CHAIR(S): Robert P. Sechrist, Indiana University of Pennsylvania

**2408. Mobilities and Spatial Modernity in Contemporary China-1 (Sponsored by China Specialty Group, Cultural Geography Specialty Group)***Room:* Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Xiaobo Su, University of Oregon; Hong Zhu

CHAIR(S): Xiaobo Su, University of Oregon

**1:20** Xiaobo Su\*, University of Oregon, *Living with an unhomely world: Mobilities and Spatial Modernity in contemporary China*.**1:40** Sarah Tynen\*, University of Colorado, *Contested Modernities in a Mobile China: Migrants in Urumchi and Street Vendors in Guiyang*.**2:00** Yan Li\*, City University of Hong Kong; Jun Wang, City University of Hong Kong, *The Mobility of Creative Labour in Dafen Village: Governance and Contestation Through Flows of Goods and Ideas*.**2:20** Shangyi Zhou\*, Beijing Normal University, *Front stage and back stage: the integration into Beijing's society of migrant workers*.

Discussant(s): Hong Zhu

**2409. Urban Renewal 3: Changing Places and Changing Perceptions in Challenged Neighborhoods (Sponsored by Urban Geography Specialty Group)***Room:* Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Julie Clark, University of Glasgow; Nicholas Wise

CHAIR(S): Nicholas Wise

**1:20** Jennifer Mapes\*, Kent State University, *The new Main Street: Planning, politics, and change in downtown Kent, Ohio*.**1:40** Zhixi Zhuang, Dr.\*, Ryerson University, *Creating Third Places: Ethnic Retailing and Place-making in the Toronto Area*.**2:00** Karen Marie Johnston\*, Massey University, *Decision-making in post-political and drunken times: Revitalised night-time spaces and young people in Christchurch, New Zealand*.**2:20** Azadeh Hadzadehesfahani\*, Clark University, *Renewal of Tehran's deteriorated neighborhoods: opportunities for identity building and meaning making?*.**2:40** Margaret Richardson\*, Augustana College; Chris Strunk, Augustana College, *Digging in: Competing narratives of gardening on vacant lots in Rock Island, IL*.**2410. (First) Taste of the Sea: an exploration of seafood and place in three courses (Sponsored by Geographies of Food and Agriculture Specialty Group)***Room:* Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Lillian Brown, Indiana University; Daniel C. Knudsen, Indiana University

CHAIR(S): Daniel C. Knudsen, Indiana University

**1:20** Ryan Kennedy\*, Indiana University, *Fish, food choice, and connection in the Market Street Chinatown*.**1:40** Lillian Brown\*, Indiana University, *Taste of the Sea: Memory and merroir in the making of consumer practice*.**2:00** PAMELA MARIE GODDE\*, Lisa Wise Consulting, *Fluid fish and rigid forks: the construction and deconstruction of space in the movement of albacore tuna*.

# WEDNESDAY, APRIL 22 • 1:20 PM - 3:00 PM • 2400

**2:20** Richard R. Wilk\*, Indiana University, *Distance from the Source: Imaginary Oceans and Animated Fish*.  
Discussant(s): Daniel C. Knudsen, Indiana University

**2411. GIS and Remote Sensing Analysis of the Urban Environment**  
*Room:* Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Joao Francisco De Abreu, Catholic University of Minas Gerais

**1:20** Blaire Michael O'Neal, M.S.\*, University of South Florida; Joni Downs, Ph.D., Graduate Advisor; David Wilson, Ph.D., Collaborator; Michael Barr, Collaborator, *Testing the feasibility of avian bioacoustics in urban environments*.

**1:40** Qijiao Xie\*, School of Resources and Environmental Science, Hubei University, *Application of Remote Sensing Technology in Urban Agriculture Research*.

**2:00** Nicholas Arthur McKenny\*, Pennsylvania State University, *Stream Correction for Local Government GIS*.

**2:20** Joao Francisco de Abreu\*, Catholic University of Minas Gerais; Jose E Paiva, Federal University of Minas Gerais, *Mapping the transformations of the Brazilian economic social topography*.

**2:40** Haydn Lawrence, PhD Student\*, University of Waterloo; Colin Robertson, PhD, Wilfrid Laurier University; Rob Feick, PhD, University of Waterloo, *Identifying optimal spatial extent of VGI data for analysis based on predefined quality metrics*.

**2413. The Academic Job Market for Geographers A: Strategies for Improving Career Preparation (Sponsored by AAG Jobs and Careers Theme, Stand-Alone Geographers Affinity Group, Community College Affinity Group)**

*Room:* Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)

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

CHAIR(S): Kenneth E. Foote, University of Connecticut

Discussant(s): Casey D. Allen, University of Colorado Denver; Jonathan Wessell, Ferris State University; Trushna Parekh, Texas Southern University; Kerry Lyste, Everett Community College

**2414. Students and Early Career Geographers: Advice from the AAG's Diversity Ambassadors (Sponsored by AAG Jobs and Careers Theme)**

*Room:* Columbus CD, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Darryl T. Cohen, U.S. Census Bureau

CHAIR(S): Darryl T. Cohen, U.S. Census Bureau

Panelists: Darryl T. Cohen, U.S. Census Bureau; Cynthia Malone, Columbia University; Priscilla McCutcheon, University of Connecticut; Arvind Aniel Rombawa Bhuta, USDA - US Forest Service - Region 6 - Regional Office - Natural Resources Branch; Lakhbir K. Jassal

**2415. A Third Way? Navigating between Russia and the West (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**

*Room:* Columbus EF, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel S. Trumbull, University of Connecticut

CHAIR(S): Jeremy Tasch, Towson University

**1:20** Elisabeth Militz\*, University of Zurich, *Fantasies of the nation: desiring Turkey in Azerbaijan*.

**1:40** Jeremy Tasch\*, Towson University, *Azerbaijani Imaginaries: Contestations and Cooperation*.

**2:00** Vincent Artman\*, University of Kansas, *"I Am Glad I Am Kyrgyz Because It Means I Am a Muslim": Contesting and Negotiating Religion and Nationality in Kyrgyzstan*.

**2:20** Berit Kristoffersen\*, University of Tromsø; Kirsti Stuvøy, PhD, Norwegian University of Life Sciences, *Green*

*peace or oil riot? Imaginations and tensions about Arctic futures*.

Introducer: Jeremy Tasch

**2417. Pop-Up Learning: How Online Courses Are Changing -- And Challenging -- Higher Education**

*Room:* Columbus H, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): **Michael N. Solem**, Association of American Geographers

Chair and Introductory Remarks: **David DiBiase**, Esri

Speaker: **Jeffrey R. Young**, The Chronicle of Higher Education

Sponsors: Geography and Online Education Theme, Association of American Geographers, Esri, National Center for Research in Geography Education, Geography Education Specialty Group

The Internet is transforming teaching, but not always as originally advertised. A look beyond the hype around MOOCs, personalized learning, and other tech trends to explore the future of college.

**2419. Climate Literacy and Education (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Geography Education Specialty Group)**

*Room:* Columbus KL, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Dan Bedford, Weber State University; John A. Harrington, Kansas State University

CHAIR(S): John A. Harrington, Kansas State University

Panelists: Robin M. Leichenko, Rutgers University; Peter D. Howe, Utah State University; Tom Skilling; Lesley-Ann Dupigny-Giroux, University of Vermont

**2420. Geographies of Resilience 3 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Energy and Environment Specialty Group)**

*Room:* Grand A, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Sara Meerow, University of Michigan; Joshua P. Newell, University of Michigan; Emily Boyd

CHAIR(S): Sara Meerow, University of Michigan

**1:20** Huei-Min Tsai\*, National Taiwan Normal University, *The Weaving of Island Resilience: Panarchy, landesque capital and social capital on small island communities*.

**1:40** Orhon Myadar\*, University of Arizona, School of Geography and Development, *Resource Nationalism. Contested legitimacy and rights surrounding natural resources in Kazakhstan and Mongolia*.

**2:00** Brian C. Chaffin, Ph.D.\*, National Risk Management Research Laboratory, U.S. EPA; Ahjond Garmestani, Ph.D., National Risk Management Research Laboratory, U.S. EPA, *The Adaptive Water Governance Project: Assessing Law, Resilience, and Governance in River Basin Social-Ecological Systems Facing a Changing Climate*.

**2:20** Daniel E. Esser\*, American University, *A Scalar Critique of Resilience: Global Discourses, National Policies, and Local Practices*.

Discussant(s): David J. Wrathall, United Nations University - Institute for Environment and Human Security

**2421. Outcast Cities II: Displacement of Urban Theory (Sponsored by Urban Geography Specialty Group, Development Geographies Specialty Group)**

*Room:* Grand B, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Asher Gheertner, Rutgers University; Austin Zeiderman, London School of Economics

CHAIR(S): Austin Zeiderman, London School of Economics

**1:20** Michael Janoschka\*, Universidad Autónoma de Madrid; Jorge Sequera, Universidad Autónoma de Madrid, *Geographies of Displacement and Dispossession in Latin American cities*.

**1:40** Tom Cowan\*, King's College London, *Displacing subaltern*

**WEDNESDAY, APRIL 22 • 1:20 PM - 3:00 PM • 2400**

*urbanism: reflections on worker geographies in Gurgaon..*

**2:00** Divya Sundar\*, Department of City Regional and Planning, University of California Berkeley, *Saving America's "Iconic Liberal City": Racial and Colonial Erasures in Anti-Gentrification Discourses in San Francisco.*

**2:20** Eric S. Sheppard\*, UCLA; Helga Leitner\*, University of California, Los Angeles; Emma Colven, UCLA; Dimitar Anguelov, UCLA, *Jakarta's Great Transformation: Valences of displacement, dispossession and enclosure.*

Discussant(s): Nikhil Anand, University of Minnesota

**2422. Ghana - Human Geography at Home and Abroad**

*Room:* Grand C/D North, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Melissa J. Tolene Rura, United Methodist Neighborhood Centers of Memphis

CHAIR(S): Sylvia Bawa

**1:20** Adobea Yaa Owusu\*, University of Ghana; Martin Oteng Ababio, PhD, Department of Geography & Resource Development, University of Ghana, Legon; George Oteng George Owusu, Institute of Statistical, Social & Economic Research (ISSER)/Department of Geography & Resource Development, University of Ghana, Legon; Charlotte Wrigley-Asante, Dr., Department of Geography, University of Ghana, *The Nexus between Geospatial Characteristics and Victim Experiences of Crime in the Four Main Cities of Ghana.*

**1:40** Eunice Fay Amissah\*, University of Cape Coast, Ghana; Emmanuel Gamor, University of Cape Coast, Ghana, *Determinants of work-family conflict in the Ghanaian hospitality industry: A survey of hotel employees in Sekondi-Takoradi Metropolis.*

**2:00** Agnes Amissah\*, Koforidua Polytechnic, Ghana; Eudoria Aidoo -Taylor, Takoradi Polytechnic, Ghana, *Job Satisfaction, Organizational Commitment and Turnover Intention: A Case of the Eastern Region in Ghana's Hotel industry.*

**2:20** Sylvia Bawa\*, York University, *Assembling Non-Humans in Development Research.*

**2423. Locating Feminist Theory and Practice in Economic Geography II (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* Grand C/D South, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Carolin L. Schurr, University of Zürich; Oona Morrow, Clark University; Marit Rosol, TU Dresden / University of Frankfurt

CHAIR(S): Sayoni Bose, The Ohio State University

**1:20** Jamie L. Winders\*, Syracuse University; Barbara Ellen Smith\*, Virginia Tech, *Domestic Labor, Social Reproduction, and Precarious Work: A Genealogy of the Relationship between Production and Social Reproduction.*

**1:40** Heidi Kaspar\*, University of Zurich, *Feminist perspectives on the global health care economy - 'circulation of love' in Indian corporate hospital's business with international patients.*

**2:00** Sabin Bieri\*, University of Bern, Centre for Development and Environment, Bern, *Working on labour: Tracing concepts in feminist economics and economic geographies.*

**2:20** Margaret W. Walton-Roberts, Assoc Prof\*, Wilfrid Laurier University, *Economic geography and global care chain analysis: Intersecting theory, occupation and geography.*

Discussant(s): Linda McDowell, University of Oxford

**2424. Urban power, urban politics: reconnecting electricity and the city (1) (Sponsored by Energy and Environment Specialty Group)**

*Room:* Grand E/F, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Jonathan Rutherford; Harriet Bulkeley, University of Durham

CHAIR(S): Harriet Bulkeley, University of Durham

**1:20** Conor Harrison\*, University of South Carolina, *Wires and urban change: Tracing the changing paths of power.*

**1:40** Morgan Mouton\*, LATTS, *The politics of power in Metro Manila: how urban change is redefining electricity infrastructure planning in the Philippines.*

**2:00** Omar Jabary Salamanca\*, Columbia University, *Assembling power networks in Palestine: notes on the Jerusalem District Electricity Company.*

**2:20** Jonathan Rutherford\*, LATTS, Université Paris Est, France, *Live in the city of light: electric politics and Parisian reveries.*

Discussant(s): Janette Webb, University of Edinburgh

**2425. Critical Data, Critical Technology: In Theory 2 (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cultural Geography Specialty Group)**

*Room:* Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Ryan Burns, University of Washington; Craig M. Dalton, Bloomsburg University of Pennsylvania; James Thatcher, University of Washington - Tacoma

CHAIR(S): James Thatcher, University of Washington - Tacoma

**1:20** Keith Woodward, Department of Geography, University of Wisconsin; John Paul Jones III\*, School of Geography and Development, University of Arizona; Linda Vigdor, Department of Computer Science and Engineering, New York University; Sallie A. Marston, School of Geography and Development, University of Arizona; Harriet Hawkins, Department of Geography, Royal Holloway, University of London; Deborah P. Dixon, School of Geographical and Earth Sciences, University of Glasgow, *One Sinister Hurricane: Simondon and Collaborative Visualization.*

**1:35** Luke Richard Barnesmoore\*, University of British Columbia, *Data Ontology and Dimensional Incommensurability.*

**1:50** Jen Jack Gieseeking\*, Bowdoin College, *Is This Liberation?: the Im/mobilities and Moorings of Lesbian-Queer Women as Gentrified and Gentrifiers in New York City, 1983-2008.*

**2:05** Jonathan Foster\*, Information School, University of Sheffield, *The Digital Subject and Pastoral Power.*

**2:20** Dillon Mahmoudi\*, Portland State University, *What's in a File Type? On Making Maps Critically by Deconstructing the Digital Map.*

**2426. The Value of Capitalist Natures II: Carbon and Other Ecosystem Services (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)**

*Room:* Grand Suite 3, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Kelly Kay, Clark University; Miles Kenney-Lazar

CHAIR(S): Miles Kenney-Lazar

**1:20** Eric Nost\*, University of Wisconsin-Madison, *Performing natural capital, and the law of value.*

**1:38** Sara Holiday Nelson\*, University of Minnesota, *Accounting for the labor of ecosystem services.*

**1:56** David Lansing\*, University of Maryland - Baltimore County, *Making Time for Carbon.*

**2:14** Kelly Kay\*, Clark University, *A Hostile Takeover of Nature? Placing Value in Conservation Finance.*

**2:32** Patrick Bigger\*, University of Kentucky, *Carbon in parallax: State mediated values and the incomplete subsumption of nature.*



**WEDNESDAY, APRIL 22 • 1:20 PM - 3:00 PM • 2400****2427. CyberGIS Symposium: High-performance and Large-scale GeoComputing I - Framework, Architecture and Tools (Sponsored by Cyberinfrastructure Specialty Group)***Room: Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)*

ORGANIZER(S): Qunying Huang, University of Wisconsin - Madison; Dilip Patlolla, ORNL

CHAIR(S): Eric Shook, Kent State University

**1:20** Aaron Myers\*, Oak Ridge National Laboratory; Devin White, Oak Ridge National Laboratory; Phil Nugent, Oak Ridge National Laboratory; Rajasekar Karthik, Oak Ridge National Laboratory; Dilip Patlolla, Oak Ridge National Laboratory; Alex Sorokine, Oak Ridge National Laboratory, *Open APIs, Open Source Development, and Open Architectures*.**1:40** Kai Liu\*, Nanjing Normal University, China; Guoan Tang, Nanjing Normal University, China; Ling Jiang, Chuzhou University, China; A-Xing Zhu, University of Wisconsin-Madison, *Parallel calculation of LS factor for regional scale soil erosion assessment*.**2:00** Wenpeng Feng\*, University of North Carolina at Charlotte; Wenwu Tang, University of North Carolina at Charlotte, *Parallel Spatial Autocorrelation Analysis within a CyberInfrastructure Environment*.**2:20** Xuefeng Guan\*, Wuhan University; Hongyan Wang, Wuhan University; Huayi Wu, Wuhan University, *A hybrid CPU/GPU interpolation framework for massive DEM generation*.**2:40** Xinyue Ye\*, Kent State University; Chih-Hui Lai, Nanyang Technological University; Bing She, Wuhan University, *A Space-Time framework of Analyzing Network Structure and Community Evolution: A Case Study of Typhoon Haiyan on Twitter*.**2428. Human Dynamics in the Mobile Age I (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)***Room: Plaza A, Hyatt, East Tower, Green Level (Paper Session)*

ORGANIZER(S): Xinyue Ye, Kent State University; Ming-Hsiang Tsou, San Diego State University; Edwin Chow, Texas State University

CHAIR(S): Ming-Hsiang Tsou, San Diego State University

**1:20** Kathleen Stewart\*, The University of Iowa; Junchuan Fan, The University of Iowa; Daniel McGeehee, The University of Iowa; Chris Schwarz, The University of Iowa, *Spatiotemporal analysis of parking behaviors in naturalistic driving*.**1:40** Chin-Te JUNG\*, San Diego State University, *Geo-targeted Social Media Analytic Research Test-bed: The SMART dashboard*.**2:00** Jay Lee\*, Kent State University; Xinyue Ye, Kent State University, *Distance is alive and well and Geography is still very relevant even in the world of social media*.**2:20** Jiue-An Jay Yang\*, San Diego State University, *Spatial Analysis of Community Similarity in the Twitter Social Network*.**2:40** Ming-Hsiang Tsou\*, San Diego State University, *Modeling Human Dynamics Across Social Media and Social Networks for Disaster Alerts and Responses*.**2429. Cultural Geographies Annual Lecture: Enisle (Sponsored by Radical Intra-Disciplinarity Theme, GeoHumanities Theme, Cultural Geography Specialty Group)***Room: Plaza B, Hyatt, East Tower, Green Level (Paper Session)*

ORGANIZER(S): Tim Cresswell, Northeastern University; Dydia DeLyser, Louisiana State University; John Wylie, University of Exeter

CHAIR(S): Tim Cresswell, Northeastern University

Introducer: Tim Cresswell

**1:25** Katherine McKittrick\*, Queen's University, *Enisle*.**2430. New Methods for Measuring Segregation 1 (Sponsored by Population Specialty Group)***Room: Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)*

ORGANIZER(S): John Östh

CHAIR(S): Emily Miltenburg, University of Amsterdam

**1:20** William Clark\*, University of California - Los Angeles; Ronald Johnston, University of Bristol, United Kingdom; David Manley, University of Bristol, United Kingdom, *Evaluating Patterns of Ethnic and Class Segregation (in London) with Nearest Neighbor Measures*.**1:40** Andreas Alm Fjellborg\*, Uppsala university, Dept. of Social and Economic Geography, *Neighborhood definition and measurement of mobility in metropolitan areas*.**2:00** Emily Miltenburg, PhD Candidate\*, University of Amsterdam; Sako Musterd, Professor, University of Amsterdam; Kati Kadarik, PhD Candidate, Uppsala University; John Östh, Senior lecturer, Uppsala University, *'A neighbourhood's neighbours matter': spill-over neighbourhood effects using individualised, scalable neighbourhood in Stockholm, Sweden (EQUIPOP)*.**2:20** Bo Malmberg, Professor\*, Stockholm University; Eva K Andersson, Assoc. Professor, Stockholm University, *The Effects of Adolescent Residential Context on Poverty Risks and Early Career Success in Young Adult Age..***2:40** Terje Wessel\*, University of Oslo, Norway, *Decomposition of economic segregation: tracing the influence of advanced business services*.**2431. Worldly Literary Geographies: Mobility and Circulation (Sponsored by GeoHumanities Theme, Cultural Geography Specialty Group)***Room: Columbian, Hyatt, West Tower, Bronze Level (Paper Session)*

ORGANIZER(S): David McLaughlin, University of Cambridge; Philip Howell, University of Cambridge

CHAIR(S): Philip Howell, University of Cambridge

**1:20** David McLaughlin, BA (DUNELM), MA\*, University of Cambridge, *Between the Canon and the Commons: The Textual Mobilities of 'Homeless' Sherlock Holmes*.**1:40** Perry L. Carter\*, Texas Tech University, *Crisscrossing the Black Atlantic via Fiction: Novel Journeys*.**2:00** Madeleine Hamlin\*, Syracuse University, *Geographies of Mobility in James Joyce's Dubliners*.**2:20** Steven Leiby Driever, Ph.D.\*, University of Missouri-Kansas City, *Harry Franck's Travel Writing, the First US Occupation of Haiti, and Race*.**2432. Author Meets Critic: Geoffrey Martin's American Geography and Geographers***Room: Comiskey, Hyatt, West Tower, Bronze Level (Panel Session)*Organizer, Chair and Introduction: **Kent Mathewson**, Louisiana State University

Panelists:

**Dorothy Sack**, Ohio University**Brian W. Blouet**, College of William and Mary**Ronald F. Abler**, International Geographical Union**Charles W.J. Withers**, University of Edinburgh

Discussant: **Geoffrey J. Martin**, Professor Emeritus

Panel discussion of Geoffrey Martin's *American Geography and Geographers: Toward Geographical Science* (Oxford University Press) 2015. American Geography and Geographers is the capstone work of Geoffrey Martin's long and distinguished career. This major work in the history of geography covers American geography's first formal century, from the 1860s to the 1960s. The panel will appraise and discuss the book, its material and presentation from a variety of perspectives.

Sponsors: Association of American Geographers, History of Geography Specialty Group

**WEDNESDAY, APRIL 22 • 1:20 PM - 3:00 PM • 2400****2433. Wetland and Stream Ecosystems**

*Room:* Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Abeer Hamdan

**1:20** Li Wang\*, university of georgia, *Estimating GPP in Georgia Coast Salt Marshes Equipped Based on MODIS product and CO2 Eddy Covariance.*

**1:40** BO WANG\*, Louisiana State University, *Estimating Total Suspended Sediment Concentrations in Surface Water of the Breton Sound Wetland From Satellite Images.*

**2:00** Haiqing Xu\*, University of South Carolina; Michael E Hodgson, University of South Carolina, *Wetland Mitigation: Approaches, Problems and the role of GIS Modelling.*

**2:20** Tekleab S. Gala\*, Chicago State University, *Geographically Isolated Depressional Wetlands - Hydrodynamics, Ecosystem Functions and Conditions.*

**2:40** Abeer Hamdan\*, Phoenix College, *Changes in Riparian Plant Communities Due to a Canal Barrier Traversing Ephemeral Stream Channels.*

**2435. Emerging Scholars in Ethnic Geography I (Sponsored by Ethnic Geography Specialty Group)**

*Room:* Picasso, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Wan Yu, Arizona State University

CHAIR(S): Wan Yu, Arizona State University

**1:20** Son Ca Lam\*, Clark University- Geography Department, *Place-making in exile: ruptures and reconciliations.*

**1:40** Roselyn Salvador\*, Queen's University, *Migrant Workers and the Canadian Live-In Caregiver Program: The Impact on Multigenerational Family Members Left Behind.*

**2:00** Reuben Allen\*, Ball State University, *Increasing Ethnic and Racial Admixture in the United States: What Does this Mean for Studies in Geography?.*

**2:20** Donna Ruiz y Costello, Arizona State University; Scott Warren\*, Arizona State University; Wan Yu, Arizona State University, *La Chinesca of Mexicali: A Chinese Community in the Mexico-USA Borderlands.*

**2:40** Adriana Morken\*, University of Colorado, *Land Disputes in the Bocas del Toro Archipelago within the Ngöbe Community in Panama.*

**2436. Learning from Looking: Fieldwork, Research, and Teaching in Cultural and Historical Geography (Sponsored by Cultural Geography Specialty Group)**

*Room:* Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Jeffrey Widener, The University of Oklahoma;

Douglas A. Hurt, University of Missouri

CHAIR(S): Jeffrey Widener, The University of Oklahoma

**1:20** Douglas A. Hurt\*, University of Missouri; Adam Payne\*, Oklahoma State, *Marginalized Interpretive Themes Along Route 66.*

**1:40** Jeffrey Widener\*, The University of Oklahoma, *Preserving the "Yellowstone of the Southwest: " An Experiment in US Land Management.*

**2:00** Darrel L. McDonald\*, Stephen F Austin State University, *Developing an Understanding of the Historical Cultural Plant Geography of Galveston Island Utilizing Archival, Field, and Virtual Learning.*

**2:20** Ezra Zeitler\*, University of Wisconsin-Eau Claire, *Models and Strategies for Field Trip Design in Regional Geography.*

**2:40** Gary Gress, Dr.\*, University of Oklahoma, *Is fieldwork becoming a lost art?.*

**2437. 2015 RSSG/Cartography/GIS Student Illustrated Paper Competition (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Cartography Specialty Group)**

*Room:* Wrigley, Hyatt, West Tower, Bronze Level (Illustrated Paper Session)

ORGANIZER(S): Shuvankar Ghosh, University of Georgia

CHAIR(S): Shuvankar Ghosh, University of Georgia

**1:20** Carlos Dobler, MSc\*, Clark University, *Intensity Analysis of Land Change in Mexico.*

**1:25** Evan Applegate\*, University of Wisconsin, *Make it Truthful, Make it Fast, Make it Pretty: Mapping U.S. Oil Spills on Deadline.*

**1:30** Kunwar K. Singh\*, NC State University; Ross K. Meentemeyer, North Carolina State University, *Effects of LiDAR point density and landscape context on the estimation of aboveground biomass of urban remnant forests.*

**1:35** Rebecca Chapman\*, Clark University, *Algorithm to Measure Differences between Maps of a Continuous Variable.*

**1:40** Shujie Wang\*, University of Cincinnati; Hongxing Liu, University of Cincinnati; Lei Wang, Louisiana State University, *Investigation of the flow dynamics of the rapidly retreating ice shelves, Antarctica.*

**1:45** Hannah Rush\*, Clark University; John Rogan, Graduate School of Geography, Clark University; Deborah Martin, Graduate School of Geography, Clark University; Verna DeLauer, George Perkins Marsh Institute, Clark University; Arthur Elmes, Graduate School of Geography, Clark University, *Mapping replanting: Application of high spatial resolution imagery to measure new tree canopy in Worcester, MA.*

**1:50** Zhiwen Zhu\*, Graduate School of Geography, Clark University; Zifeng Li, Department of International Development, Community, and Environment, Clark University, *Comparison of Markov and Flow Matrices for Land Change Extrapolation.*

**1:55** Mengyao Zhang\*, University of Connecticut, *An Application of Using Google Direction API to Support GIS in Transit Time Calculation: A Case Study of Food Access Analysis in Hartford, Connecticut.*

**2438. Remote Sensing, Spatial Analysis, and Modeling of Vector-borne and Zoonotic Diseases I (Sponsored by Geographic Information Science and Systems Specialty Group, International Geospatial Health Research Network, Remote Sensing Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* Acapulco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Dale A. Quattrochi, NASA MSFC; Cory Morin, NASA Marshall Space Flight Center

CHAIR(S): Dale A. Quattrochi, NASA MSFC

**1:20** Temitope O Alimi\*, University of Miami; John C Beier, Sc.D, University of Miami; Justin B Stoler, PhD, University of Miami; Socrates V Herrera, M.D, Centro de Investigacion Cientifica Caucaseco, Cali, Colombia; Myriam Arrevalo-Herrera, PhD, Centro de Investigacion Cientifica Caucaseco, Cali, Colombia; Martha L Quinones, PhD, National university, Colombia; Douglas O Fuller, PhD, University of Miami, *Modeling current and future distribution of malaria vectors in northern South America.*

**1:40** Julia Metelka\*, Wilfrid Laurier University, *Modelling the Risk Landscape of Japanese Encephalitis in the Kathmandu Valley, Nepal.*

**2:00** Hua Liu\*, Old Dominion University; Peng Fu, Indiana State University; Anthea Weng, Terre Haute South Vigo High School, *Risk assessment of West Nile Virus dissemination based on fused remote sensing images in the City of Los Angeles, CA, USA.*

**2:20** Jared Aldstadt\*, University at Buffalo; Jeon-Young Kang, University at Buffalo, *Assessing the Importance of Local Heterogeneity in Dengue Virus Transmission Models.*

**2:40** Cory Morin\*, NASA Marshall Space Flight Center; Dale Quattrochi, NASA Marshall Space Flight Center, *Simulated Transmission of the Dengue Virus across the*

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*US-Mexico Border Using Remotely Sensed and Ground Based Weather Data.*

**2439. Mobility, Health, and the City I: Active Transportation (Sponsored by International Geospatial Health Research Network, Urban Geography Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* Atlanta, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Michael J. Widener, University of Cincinnati; Jerry Shannon, University of Georgia

CHAIR(S): Michael J. Widener, University of Cincinnati

**1:20** Thiago H de Sá, MS, Center for Epidemiological Studies in Health and Nutrition, School of Public Health, University of Sao Paulo; Ana Clara Duran, MS, PhD\*, University of Illinois at Chicago; Rafael Pereira, MS, School of Geography and the Environment, Oxford University; Carlos A Monteiro, MD, PhD, Center for Epidemiological Studies in Health and Nutrition, School of Public Health, University of Sao Paulo, *Regional and socioeconomic disparities in active transportation in Brazil. Results from a national representative sample.*

**1:40** Calvin P Tribby\*, The Ohio State University; Harvey J Miller, The Ohio State University; Barbara B Brown, University of Utah; Ken R Smith, University of Utah; Carol M Werner, University of Utah, *Analyzing Built Environment Influences on Walking Route Choice through Machine Learning and Discrete Choice Techniques.*

**2:00** Harvey J. Miller\*, The Ohio State University; Calvin P. Tribby, The Ohio State University; Barbara B. Brown, University of Utah; Ken R. Smith, University of Utah; Carol Werner, University of Utah, *Does Public Transit Generate New Physical Activity? Evidence from Individual GPS and Accelerometer Data Before and After Light Rail Construction in a Neighborhood of Salt Lake City, Utah, USA.*

**2:20** Michele Colley\*, University of Toronto - Mississauga; Ron Buliung, Ph.D., University of Toronto - Mississauga, *An Exploration of the Spatial and Temporal Patterns of Active School Transport in the Greater Toronto and Hamilton Area.*

**2:40** Ron N. Buliung, Ph.D.\*, Department of Geography, University of Toronto at Mississauga; Kristian Larsen, Ph.D., Child Health Evaluative Sciences, The Hospital for Sick Children, Toronto; Guy Faulkner, Ph.D., Faculty of Kinesiology and Physical Education, University of Toronto, *Walking with others and alone to school in the Greater Toronto and Hamilton Area, Canada..*

**2440. Violence, Sexual Health and Substance Use (Sponsored by International Geospatial Health Research Network)**

*Room:* Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Lois M. Takahashi, UCLA

**1:20** Jaimie Morse, MPH\*, Northwestern University, *Documenting Mass Rape: The Emergence and Implications of Medical Evidence Collection Techniques in Settings of Armed Conflict and Mass Violence.*

**1:40** Lois M. Takahashi, PhD\*, UCLA; John J Chin, PhD, Hunter College, CUNY; Douglas J Wiebe, PhD, University of Pennsylvania; Anna J Kim, PhD, Georgia Institute of Technology; Samuel Ou, Asian Pacific AIDS Intervention Team; Mary Rocco, University of Pennsylvania; Stacy To, MPH, Asian Pacific AIDS Intervention Team; Michelle Yoon, Asian Pacific AIDS Intervention Team, *Spatial Clustering of Sexually Oriented Massage Parlor Businesses in Los*

*Angeles and New York City: Implications for Health Interventions and Conceptualizations of the Sex Work Industry.*

**2:00** Curtis James Denton\*, University of Connecticut; Debarchana Ghosh, PhD, University of Connecticut, *Geographic Accessibility and Barriers to Addiction, Mental Health, and HIV/AIDS Health Care Services for Opioid Dependent Clients.*

**2:20** Gerald Stahler\*, Temple University; Jeremy Mennis, Temple University, *What Best Predicts Addiction Treatment Completion: The Influence of Client Factors and Rural, Suburban, and Urban Treatment Facility Location.*

**2:40** Ting-Ying Jane Huang, BSPHarm\*, University of Maryland Baltimore; Patience Moyo, BA, University of Maryland Baltimore; Sarah Tom, PhD, University of Maryland Baltimore; Linda Simoni-Wastila, PhD, University of Maryland Baltimore, *Cross-Border Prescription Fills Associated with the Maryland Prescription Drug Monitoring Program.*

**2441. Melinda Meade Memorial Disease Ecology Session 1 (Sponsored by International Geospatial Health Research Network, Health and Medical Geography Specialty Group)**

*Room:* New Orleans, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Margaret Carrel, University of Iowa; Elisabeth Dowling Root, University of Colorado, Boulder; Michael Emch, University of North Carolina at Chapel Hill

CHAIR(S): Margaret Carrel, University of Iowa

**1:20** Brian H. Bossak, PhD, MPH\*, Department of Health Sciences, Florida Gulf Coast University; Emily R. Gilchrist, MPH, Georgia Southern University, *Spatial Comparisons of Chagas Disease Knowledge among U.S. Physicians and Mid-level Providers.*

**1:40** Yi-Chen Wang\*, National University of Singapore; Richard Ho, National University of Singapore; Xueyuan Ong, National University of Singapore; Chen-Chieh Feng, National University of Singapore; Kaylene Lee, National University of Singapore; Roy Yuan, National University of Singapore; Paiboon Sithithaworn, Khon Kaen University, *Human, Snail, Fish, and Waterscape Interactions: Geographic Investigations of Liver Fluke Infections in Thailand.*

**2:00** Sean G Young\*, University of Iowa; Xiu-Feng Wan, Mississippi State University; Margaret Carrel, University of Iowa; Elizabeth Bailey, Mississippi State University; Yifei Xu, Mississippi State University; Sara Vetter, Minnesota Department of Health; Brigitte Martin, Mississippi State University; Li-Ping Long, Mississippi State University; Hui Wang, Mississippi State University, *Landscape Genetics of Seasonal Influenza in Minnesota.*

**2:20** Elisabeth Dowling Root\*, University of Colorado, Boulder, *Geospatial Analysis of RSV Infection Among Children Vaccinated for Pneumococcal Pneumonia: Evidence for Cross-Protection.*

**2:40** Kabita Ghimire\*, Kansas State University; Bimal K Paul, Professor, Department of Geography, Kansas State University; Douglas G. Goodin, Professor, Department of Geography, Kansas State University, *Malaria-related Knowledge, Perceptions and Practices among adults in Nepal.*

**2442. Economic Geography VII - Path Creation, Breakthroughs, and New Innovation Spaces (Sponsored by Economic Geography Specialty Group)**

*Room:* Regency A, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; David L. Rigby, UCLA

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CHAIR(S): Helen Lawton Smith, Birkbeck University of London

**1:20** Pierre-Alexandre Balland\*, Utrecht University; David Rigby, University of California, Los Angeles, *The geography and evolution of complex knowledge.*

**1:40** Martijn Van Den Berge\*, PBL Environmental Assessment Agency, *Eco-technological breakthroughs.*

**2:00** Christian Binz, Harvard University; Bernhard Truffer, EAWAG, Switzerland; Lars Coenen\*, Lund University, Sweden, *Path creation, system building and anchoring - The emergence of an on-site water recycling industry in Beijing.*

**2:20** Sharmistha Bagchi-Sen\*, SUNY-Buffalo; Dieter F Kogler, University College Dublin; Peter J Kedron, Ryerson University, *The emergence of innovation spaces in renewable energy.*

Discussant(s): Andres Rodriguez-Pose, London School of Economics

**2443. Urban Flooding and Risk Management in China**

Room: Regency B, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Lin Liu, University of Cincinnati

CHAIR(S): Xianwei Wang, Sun Yat-sen University

**1:20** Lin Liu, Center of Integrated Geographic Information Analysis(CIGNA), School of Geography and Planning, Sun Yat-sen University; Yong Liu\*, Center of Integrated Geographic Information Analysis(CIGNA), School of Geography and Planning, Sun Yat-sen University; Xianwei Wang, Center of Integrated Geographic Information Analysis(CIGNA), School of Geography and Planning, Sun Yat-sen University; Dapeng Yu, Centre for Hydrological and Ecosystem Science, Department of Geography, Loughborough University, UK; Kai Liu, Center of Integrated Geographic Information Analysis(CIGNA), School of Geography and Planning, Sun Yat-sen University; Huabing Huang, Center of Integrated Geographic Information Analysis(CIGNA), School of Geography and Planning, Sun Yat-sen University; Guohua Hu, School of Geography and Planning, and Guangdong Key Laboratory for Urbanization and Geo-simulation, SunYat-sen University, *Developing an effective 2D urban flood inundation model for city emergency management based on cellular automata.*

**1:40** Chunmei Li\*, *Assessment on the urban Waterlogging hazards and risk in the city of Guangzhou, China.*

**2:00** Xianwei Wang\*, Sun Yat-sen University; Chang Tan, Sun Yat-sen University; Huabing Huang, Sun Yat-sen University; Lin Liu, Sun Yat-sen University, *The characteristics and forecasting challenges of urban storms and flooding events in Guangzhou, China.*

**2:20** Yutian Liang\*, Sun Yat-set University; Tiancheng Li, Sun Yat-sen University; Li Ma, Institute of Geographic Sciences and Natural Resources Research, CAS, *The response to flood disaster and its influence factors of coastal city residents: based on empirical study of the Pearl River Delta in China.*

**2:40** Huabing Huang\*, Sun Yat-sen University; Xianwei Wang, Sun Yat-sen University; Shaoyue Zhang, Sun Yat-sen University; Yong Liu, Sun Yat-sen University, *Real-time Monitoring and Simulating of Urban Flood, a Case Study in Guangzhou.*

**2445. The Politics of Desire and Despair: Contextualising Rights in Urban Protests against Displacement in Asia and Beyond (3) (Sponsored by China Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)**

Room: Regency D, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Hyun Bang Shin, London School of Economics and Political Science

CHAIR(S): Hyun Bang Shin, London School of Economics and Political Science

Introducer: Hyun Bang Shin

Discussant(s): George C.S. Lin, University of Hong Kong; Christian Schmid, ETH Zurich

Panelists: Anne Haila, University of Helsinki; Eric Clark, Lund University; Sharad Chari, University of the Witwatersrand

**2446. Energy Transitions III: Energy Justice (Sponsored by Energy and Environment Specialty Group)**

Room: San Francisco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Michael Minn, University of Illinois

CHAIR(S): Michael Minn, University of Illinois

**1:20** Michael J. Dorsch\*, The Graduate Center, City University of New York, *Who Is at the Other End of the Electric Outlet?*

**1:40** Walter S Scheib\*, University of Denver, *Residential Sustainability for the Masses: Full-Scale Implementation of Energy Efficiency Programs in Boulder County, Colorado.*

**2:00** Lisa Marshall\*, UNC-Chapel Hill (& NC State University), *Pro-Nuclear Media: a geography of energy communication?.*

**2:20** Moritz Albrecht\*, University of Eastern Finland, *Positionalities of (un-)sustainability? Competing struggles and perceptions on matters of natural resource governance..*

**2447. Analysis and Modeling of Landscape Change II (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: Toronto, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Burak Guneralp, Texas A&M University; Jacqueline Vadjuene, Oklahoma State University; Andrew Millington, Flinders University

CHAIR(S): Jane Southworth, University of Florida

**1:20** Hoehun Ha\*, Central Michigan University; Benjamin Heumann, Central Michigan University; Matthew Liesch, Central Michigan University; Xiaoguang Wang, Central Michigan University, *Geographic Niche-Base Land Use Suitability Modeling: A Case Study of Conservation Easements from South-east Michigan.*

**1:40** Michael Eggen\*, University of Wisconsin - Madison; Mutlu Ozdogan, University of Wisconsin-Madison; Ben Zaitchik, Johns Hopkins University; Belay Simane, Addis Ababa University, *Land cover classification of Ethiopian Highlands in support of erosion modeling.*

**2:00** Shanon Donnelly\*, University of Akron, *Modeling Land Change from Shale Oil and Gas Infrastructure in Carroll County, OH.*

**2:20** Jennifer Koch\*, University of Oklahoma; Florian Wimmer, Center for Environmental Systems Research, University of Kassel; Ruediger Schaldach, Center for Environmental Systems Research, University of Kassel; Janina Onigkeit, Center for Environmental Systems Research, University of Kassel, *Water and Land Limitations to Future Agricultural Production in the Middle East.*

**2:40** Jane Southworth, PhD\*, University of Florida; Peter Waylen, PhD, University of Florida; Erin Bunting, PhD, USGS; Likai Zhu, PhD, University of Florida; Ray Huffaker, PhD, University of Florida; Miguel Campo-Bescos, PhD, University of Navarra; Rafael Munoz-Carpena, PhD, University of Florida; David Kaplan, PhD, University of Florida, *Using time-series and dynamic factor analysis to model and explain the combined spatial and temporal effects of?environmental drivers on vegetation growth in southern Africa.*

**2448. The Extractive Imperative: Political economy of development in Latin America**

**WEDNESDAY, APRIL 22 • 1:20 PM - 3:00 PM • 2400**

- Room:** *Crystal A, Hyatt, West Tower, Green Level* (Paper Session)  
**ORGANIZER(S):** Murat Arsel, Institute of Social Studies; Lorenzo Pellegrini  
**CHAIR(S):** Marti Orta, International Institute of Social Studies  
**1:20** Murat Arsel\*, Institute of Social Studies, *"This Road Takes You to Development"*:  
*Political ecology of extraction, construction and modernization in 21st century Latin America.*  
**1:40** Lorenzo Pellegrini\*, ISS, Erasmus University Rotterdam, *The Extractive Imperative in Ecuador and Peru.*  
**2:00** Marti Orta\*, International Institute of Social Studies, *The Conflict Imperative: the prerequisite for improved extractive industry operational standards.*  
**2:20** Carolina Sampedro, Geographer\*, USFQ; Patricia Martínez, Geographer, Universidad San Francisco de Quito; Homero Paltán, Geographer, Universidad San Francisco de Quito; Carlos Mena, PhD. Geography, Universidad San Francisco de Quito, *Monitoring the Spatial and Temporal Dimensions of Oil Spills.*  
**2:40** Alexandra Guevara, Environmental Engineer\*, Universidad San Francisco De Quito; Carlos F Mena, PhD in Geography, Universidad San Francisco de Quito; Carolina Sampedro, Geographical Engineer, Universidad San Francisco de Quito, *A community based environmental monitoring initiative as a form of empowerment of people through knowledge and data validation -- Iniciativa de Monitoreo Ambiental Comunitario "IMAC"*.

**2449. Just green enough 3: "Just green enough" and beyond wrap-up panel**

- Room:** *Crystal B, Hyatt, West Tower, Green Level* (Panel Session)  
**ORGANIZER(S):** Trina Hamilton, SUNY - Buffalo; Winifred Curran, DePaul University; Sarah Dooling, the university of texas  
**CHAIR(S):** Winifred Curran, DePaul University  
**Discussant(s):** Joshua P. Newell, University of Michigan  
**Panelists:** Winifred Curran, DePaul University; Sarah Dooling, the university of texas; Trina Hamilton, SUNY - Buffalo; Leslie Kern, Mount Allison University

**2450. Rebuilding Borders: Payments for Ecosystem Services (PES) and the (Re)Making of Boundaries**

- Room:** *Crystal C, Hyatt, West Tower, Green Level* (Paper Session)  
**ORGANIZER(S):** Caleb Gallemore, Northeastern Illinois University  
**CHAIR(S):** Caleb Gallemore, Northeastern Illinois University  
**1:20** Rowan Dixon\*, Victoria University of Wellington, *Circuits of value within REDD+ in Indonesia.*  
**1:40** Rini Astuti\*, Victoria University, *One-map as a spatial fix and the production of governmental technologies for establishing forest territories in Indonesia.*  
**2:00** Peter Howson\*, Victoria University of Wellington, *Violent Exclusions And Counter Exclusions From The Redd+ Benefits of Sungai Lamandau, Central Kalimantan, Indonesia.*  
**2:20** Bryan R. Bushley\*, University of Hawai'i at Manoa & East-West Center, *Seeing Beyond REDD+: Situating forest-based emissions reduction schemes within broader land, climate and energy imperatives.*  
**Discussant(s):** Wendy Miles, University of Hawaii

**2451. Ice and Snow (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group)**

- Room:** *Stetson A, Hyatt, West Tower, Purple Level* (Paper Session)  
**ORGANIZER(S):** Vena W. Chu, UCLA  
**CHAIR(S):** Lincoln H. Pitcher, UCLA Department of Geography  
**1:20** Samiah E Moustafa\*, Rutgers University Department of Geography; Asa K Rennermalm, Rutgers University Department of Geography; Miguel O Román, NASA GSFC Terrestrial Information Systems Branch; Zhuosen Wang, NASA GSFC Terrestrial Information

Systems Branch; Crystal Schaaf, University of Massachusetts Boston Department of Environmental, Earth, and Ocean Sciences; Lora S Koenig, NASA GSFC Cryospheric Sciences Laboratory; Laurence C Smith, UCLA Department of Geography; Angela Erb, University of Massachusetts Boston Department of Environmental, Earth, and Ocean Sciences, *Spatial representativeness over snow and bare ice surfaces in southwest Greenland ice sheet's ablation zone: Evaluation of the MODIS (Collection V006) albedo product (MCD43A).*

- 1:40** Vena W. Chu\*, UCLA; Laurence C. Smith, UCLA; Kang Yang, UCLA; Colin J. Gleason, UCLA; Asa K. Rennermalm, Rutgers, The State University of New Jersey; Lincoln H Pitcher, UCLA, *Supraglacial streamflow into moulins on the Greenland ice sheet.*  
**2:00** Klaus J. Bayr\*, Keene State College; Dorothy K Hall, Goddard Space Flight Center, NASA; Brian Jones, Keene State College, *The Increase of the Minimum Temperatures and its Impact on the Recession of the Pasterze Glacier, Austria.*  
**2:20** Andrew G. Fountain\*, Portland State University; Hassan J. Basagic IV, Portland State University, *Glaciers in Equilibrium -McMurdo Dry Valleys Antarctica.*  
**2:40** Paul Jeffrey Morin\*, Polar Geospatial Center, *Creating the Sub-meter Image Base for the Arctic and Antarctic: The NGA Commercial Imagery Program at the Poles.*

**2452. Tourism Places (Sponsored by Recreation, Tourism, and Sport Specialty Group)**

- Room:** *Stetson BC, Hyatt, West Tower, Purple Level* (Paper Session)  
**ORGANIZER(S):** Patrick Brouder, Brock University & Mid Sweden University; Noel Healy, Dept Geography Salem State University  
**CHAIR(S):** Noel Healy, Dept Geography Salem State University  
**1:20** Sarah Quinlan Cutler\*, Wilfrid Laurier University; Barbara Carmichael, Wilfrid Laurier University; Sean Doherty, Wilfrid Laurier University, *Experience Sampling in Tourism Research.*  
**1:40** Jayne Rogerson, Dr\*, University of Johannesburg, *Post-School 'Rite of Passage' Youth Tourism in South Africa: The Matric Vac Festival in South Africa.*  
**2:00** Shannon Lamb\*, Delta State University, *The Geography of Blues Tourism in the Mississippi Delta.*  
**2:20** Noel Healy, Dr\*, Dept. of Geography Salem State University; Tazim Jamal, Dr, Dept. of Recreation, Park and Tourism Sciences, Texas A&M, *Revisiting Edensor's enclavic to heterogeneous spaces in tourism: Materially grounded heterotopias?.*  
**2:40** Jason M. Angel\*, University of Waterloo, *Parks for all: Information on accessibility and associated experiences..*

**2453. Looking Backwards and Forwards in Participatory GIS: Session III (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

- Room:** *Stetson D, Hyatt, West Tower, Purple Level* (Paper Session)  
**ORGANIZER(S):** Bandana Kar, University of Southern Mississippi; Rina Ghose, University of Wisconsin Milwaukee  
**CHAIR(S):** Bandana Kar, University of Southern Mississippi  
**1:20** Kumkum Bhattacharyya\*, Eastern Michigan University; Aditi Sarkar, Indian Statistical Institute, *Land Use and Land Cover (LULC) Change Detection in the Ganga-Damodar Region - A Participatory GIS Perspective.*  
**1:40** Pamela Jean Robinson\*, Ryerson University; Peter Johnson, Waterloo, *Civic Hackthons: New Terrain for Citizen-Local Government Interaction?.*  
**2:00** Nancy J. Obermeyer, PhD, GISP\*, Indiana State Univ, *Preserving Small Town Cinemas through Crowdsourcing.*

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- 2:20** Zachary A. Jones, MA, MS, PhD (ABD)\*, Eastern Michigan University, *Using Participatory Geospatial Technologies, Charrettes and other Pedagogical Tools to support Ecojustice Planning Decisions.*
- 2:40** Antonello Romano\*, DISPOC, Università di Siena, *Noise busters: noise detection and perception through citizen science approach and crowdsourced information..*
- 2454. Author Meets Critics: The Politics of Arctic Sovereignty (Sponsored by Political Geography Specialty Group, Polar Geography Specialty Group)**  
*Room:* Stetson E, Hyatt, West Tower, Purple Level (Panel Session)  
 ORGANIZER(S): Scott Stephenson, University of Connecticut; Heather Nicol, Trent University  
 CHAIR(S): Scott Stephenson, University of Connecticut  
 Panelists: Jessica Shadian, Aarhus Institute of Advanced Studies (AIAS), Aarhus University; Heather Nicol, Trent University; Jen Jones, University of Guelph; Philip E. Steinberg, Durham University; Inuuteq Holm Olsen, Representative From Greenland To the US and Canada
- 2455. Legal geographies 6: Power, (post)disciplinarity, and practice -- A -- State, difference, social control (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)**  
*Room:* Stetson F, Hyatt, West Tower, Purple Level (Panel Session)  
 ORGANIZER(S): Brandon Derman, University of Washington; Tiffany Grobelski; Jesse McClelland, University of Washington  
 CHAIR(S): Jesse McClelland, University of Washington  
 Discussant(s): Joshua Barkan, University of Georgia  
 Panelists: Deborah G. Martin, Clark University; Alex Jeffrey, University of Cambridge; Lauren Martin, University of Oulu; Joaquin Villanueva, Gustavus Adolphus College; Nicole Reiz, University of Kansas
- 2456. Political Ecology and Social-Ecological Interactions of Food Production and Systems VI: Panel Discussion on Methodology and Research Practice (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**  
*Room:* Stetson G, Hyatt, West Tower, Purple Level (Panel Session)  
 ORGANIZER(S): Russell Hedberg, Pennsylvania State University; Karl S. Zimmerer, Pennsylvania State University  
 CHAIR(S): Russell Hedberg, Pennsylvania State University  
 Discussant(s): Ryan Edward Galt, University of California - Davis; Antoinette MGA. WinklerPrins, Johns Hopkins University; Julie Guthman, Univ of California Santa Cruz; William G. Moseley, Macalester College; Amy Trauger, University of Georgia; Karl S. Zimmerer, Pennsylvania State University
- 2457. Geographies of Media VIII: Urban Sound In Media**  
*Room:* Addams, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Torsten Wissmann, Institute of Geography, University Mainz; Joseph Palis, North Carolina State University  
 CHAIR(S): Torsten Wissmann, Institute of Geography, University Mainz  
**1:20** David Banis\*, Portland State University; Hunter Shobe, Portland State University, *Music, Mental Maps, and Sense of Place: Methodology and Pedagogy.*  
**1:40** Jeffrey Ogbar\*, University of Connecticut, *Living for the City: Hip-Hop Music, Public Policy and Urban Space.*  
**2:00** Daniel McGowin, PhD\*, Auburn University, *From the Slums of Shaolin: the Geography of the Wu-Tang Clan.*  
**2:20** John Strait\*, Sam Houston State University, *The impact of multi-layered diffusionary processes on musical evolution: The impact of Muddy Waters of the evolution of blues culture.*
- 2:40** Alejandro Mercado-Celis\*, Universidad Autonoma Metropolitana, *Districts and networks in the indie music scene in Mexico City.*
- 2458. South Asia: A land of challenges, pathfinders and solutions - III (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group)**  
*Room:* Burnham, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Chandana Mitra, Auburn University  
 CHAIR(S): Jason Cons, University of Texas at Austin  
**1:20** Kiran Bhairannavar, Graduate student\*, National University of Singapore, *Home and the 'politics of self': A study of Queer men's negotiations in Delhi, India.*  
**1:40** Sushant K. Singh\*, Montclair State University; Gin Dean Sanchez, Group for the Protection Study and Monitoring of the Environment (GPSME), Inc., USA; Srikanta K Panigrahi, Indian Institute of Sustainable Development (IISD), New Delhi, India, *Assessing and Mapping Multiple Groundwater Contamination for Creating and Prioritizing Mitigation Policies.*  
**2:00** Md. Yasir Ahmad\*, Shivalik Solid Waste Management Limited; Sushant K Singh, Montclair State University, New Jersey, USA, *Application of Remote Sensing and GIS in Water Resources Management: A Case Study in the Mid Gangetic Plain in India.*  
**2:20** Mahtab A. Lodhi\*, University of New Orleans, *Remote sensing of catastrophic slope failures and associated hazards in northern areas of Pakistan.*  
**2:40** Purnendu Mukherjee\*, Department of IT, Ministry of Communications & IT, Government of India; Prameshwar Singh, National Institute of Electronics and Information Technology (NIELIT), *Distribution of Land Holdings in India: A Cross Sectional - Spatio-Socio-Temporal Analysis.*
- 2459. Jeanne X. Kasperson Award Winners from the Hazards, Risks, & Disasters Specialty Group I (Sponsored by Hazards, Risks, and Disasters Specialty Group)**  
*Room:* Dusable, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Timothy W. Collins, University of Texas - El Paso  
 CHAIR(S): Timothy W. Collins, University of Texas - El Paso  
**1:20** Thomas Thaler\*, Flood Hazard Research Centre, Middlesex University, *Evolving interregional co-operations in flood risk management: distances and types of partnership approaches in Austria.*  
**1:40** Cristina Muñoz\*, University of Iowa, *Flood Mitigation, Property Acquisition, and Equity: The Geography of Federal Disaster Aid.*  
**2:00** Ross J. Guida\*, Southern Illinois University, Carbondale; Taylor L. Swanson, Southern Illinois University, Carbondale; Jonathan W.F. Remo, Ph.D., Southern Illinois University, Carbondale; Timea Kiss, Ph.D., University of Szeged (Hungary), *Strategic Floodplain Reconnection for the Lower Tisza River, Hungary: Opportunities for Flood-height Reduction and Floodplain-wetland Reconnection.*  
**2:20** Dean Hardy\*, University of Georgia, *Racialized Understandings of Vulnerability to Sea-Level Rise: Early Dispatches from the Field.*  
 Discussant(s): Tim G. Frazier, University of Idaho
- 2460. The Politics and Anti-Politics of Adaptation to Climate Change I (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Development Geographies Specialty Group)**  
*Room:* Field, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Thomas Smucker, Ohio University; Ben Wisner, Independent Scholar  
 CHAIR(S): Thomas Smucker, Ohio University  
**1:20** Jesse Ribot, Professor\*, University of Illinois, *Whither*

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*Causality: Vicissitudes of Climate-Crisis Explanation.*

- 1:40** Thomas Smucker\*, Ohio University; Ben Wisner, Oberlin College; Elizabeth E Wangui, Ohio University; Adolfo Mascarenhas, LINKS Trust; Gaurav Sinha, Ohio University; Eric Lovell, University of Colorado; Pantaleo Munishi, Sokoine University of Agriculture; Daniel Weiner, University of Connecticut, *Climate Change Adaptation Policy in Tanzania: An Anti-Politics of Adaptation?*.
- 2:00** Mary Galvin, Associate Professor\*, Department of Anthropology and Development Studies, University of Johannesburg, *Making Community Based Adaptation a Reality: Different Conceptualisations, Different Politics.*
- 2:20** Ignacio Rubio C, PhD\*, Universidad Nacional Autonoma De Mexico, *Tourism, environmental change and climate in south Mexico.*
- 2:40** Sameer Hemant Shah, MSc Student\*, University of British Columbia, *Water Variability, Livelihoods, and Adaptation in the Angat Watershed.*

**2461. Agrarian Development in Africa I: Capital Flows, Peasant Struggles, and Environmental Change (Sponsored by Rural Geography Specialty Group, Africa Specialty Group, Geographies of Food and Agriculture Specialty Group)**

- Room:* Horner, Hyatt, West Tower, Silver Level (Paper Session)
- ORGANIZER(S): Pratyusha Basu, University of Texas at El Paso; Bernardo M. Fernandes, Sao Paulo State University - UNESP
- CHAIR(S): Pratyusha Basu, University of Texas at El Paso
- 1:20** Elizabeth Alice Clements, São Paulo State University - UNESP; Bernardo M. Fernandes\*, Sao Paulo State University - UNESP, *Paradigms and Brazilian policies and strategies for rural territorial development in Mozambique: the case of ProSAVANA and Food Acquisition Program (PAA).*
- 1:40** Wendy Wolford\*, Cornell University, *Knowledge, Suffering and the Social Life of Land in Mozambique.*
- 2:00** Brian Dowd-Urbe, PhD\*, University for Peace; Robert Fletcher, PhD, Utrecht University, *Cyborgs, seeds and society: reframing the transgenic debate.*
- 2:20** Naomi Shanguhya\*, *Boon or Bane?: Commercial Farming as a Strategy for Rural Livelihood Security in western Kenya.*
- 2:40** Pratyusha Basu\*, University of South Florida, Tampa, *Gendering the Agrarian Question: Women and Small-Scale Dairying in Kenya and Uganda.*

**2462. PREM: Militarism and Humanitarianism 1 (Sponsored by Political Geography Specialty Group)**

- Room:* McCormick, Hyatt, West Tower, Silver Level (Paper Session)
- ORGANIZER(S): Emily Gilbert, University of Toronto; Killian McCormack, University of Toronto
- CHAIR(S): Killian McCormack, University of Toronto
- 1:20** James Walker\*, University of California - Los Angeles; Adam Moore, University of California - Los Angeles, *Up Close and Impersonal: AFRICOM and the Militarization of U.S. Foreign Policy in Africa.*
- 1:40** Thiruni Kelegama\*, University of Zurich, *Anxious integration: Militarised development in Sri Lanka's post-war frontier.*
- 2:00** Jennifer Hyndman\*, York University, *War Tourism and the Militarization of Civilian Space.*
- 2:20** Ron J Smith, PhD\*, Bucknell University, *Siege, Militarism, and Humanitarianism.*
- 2:40** Margaret Wilson\*, University of Washington, *The Outbreak Narrative and Geographies of the 2014 Ebola Outbreak.*

**2463. Co-production of Political Ecology in Asia: Structure and Agency (Sponsored by Cultural and Political Ecology Specialty Group, Asian Geography Specialty Group)**

- Room:* Ogden, Hyatt, West Tower, Silver Level (Paper Session)
- ORGANIZER(S): Jennifer Yongmei Pomeroy, Shippensburg University
- CHAIR(S): Jennifer Yongmei Pomeroy, Shippensburg University
- 1:20** Hosuk Lee\*, University of North Georgia; Toralf, Zschau, University of North Georgia, *Political Ecology of Coal in East Asia with the Growth of Coal Power Plants in South Korea.*
- 1:40** Souyeon Nam\*, Texas A&M Univ., *Territorialization under neoliberal leadership: the case of the Jeju Olle Trail, South Korea.*
- 2:00** Raymond Yu Wang\*, The University of Hong Kong, *Power, Technocracy and Neoliberalism: the Political Ecology the Middle Route of China's South-to-North Water Diversion Project.*
- 2:20** Nel Vandekerckhove\*, University of Amsterdam, *Rebels of the Forest: A Political Ecology of Ethnic Violence.*
- 2:40** Dhananjaya Katju\*, Texas A&M University, *"Tribal people are not against the forest since they live within the forest": Bodo indigeneity and environmental subjectivity along the Manas Tiger and Biosphere Reserve (Assam, India).*

**2464. Meet Sidewalk City's author Annette Kim (Sponsored by Urban Geography Specialty Group, Cartography Specialty Group)**

- Room:* Wright, Hyatt, West Tower, Silver Level (Panel Session)
- ORGANIZER(S): Annette Kim, USC
- CHAIR(S): Annette Kim, USC
- Discussant(s): Matthew W. Wilson, Harvard University
- Panelists: Sarah Turner, McGill University; Denis Wood; Annette Kim, USC

**2465. Feminist Geophilosophy (2) (Sponsored by GeoHumanities Theme, Cultural Geography Specialty Group)**

- Room:* Michigan A, Hyatt, East Tower, Ped Path (Paper Session)
- ORGANIZER(S): Angela Last, University of Glasgow
- CHAIR(S): Kathryn Yusoff, Queen Mary University of London
- 1:20** Anja Kanngieser\*, Goldsmiths College University of London, *Listening to the Anthropocene.*
- 1:40** Stephanie Clare\*, Syracuse University, *Locating the Anthropocene: Earth System Science meets Feminist Philosophy.*
- 2:00** Myra J Hird, D.Phil (Oxford)\*, Queen's University, *Subtending Relations: Bacteria, Geology, and the Possible.*
- 2:20** Susan Ruddick\*, University of Toronto, *In Pursuit of the Common: Rethinking Biopotenza in the age of the Anthropocene.*
- 2:40** Arun Saldanha\*, University of Minnesota - Minneapolis, *a queerer universe: communism, speculative realism, and the end of man.*

**2466. The Financialization of City-making: Articulating critical perspectives (3)**

- Room:* Michigan B, Hyatt, East Tower, Ped Path (Paper Session)
- ORGANIZER(S): Antoine Guironnet, LATTS, Universite Paris-Est; Ludovic Halbert, University Paris-Est, Latts
- CHAIR(S): Antoine Guironnet, LATTS, Universite Paris-Est
- 1:20** Ivana Socoloff, Dr.\*, Universidad De Buenos Aires-CONICET, *From Domes to Towers'': financialization of business property development and the empowerment of developers in Buenos Aires (1989-2001).*
- 1:40** Fritz-Julius Grafe\*, Humboldt Universität zu Berlin, *The infrastructural link: connecting financial practices and everyday experiences of the city.*
- 2:00** Sònia Vives-Miró, 90081440\*, University of the Balearic Islands; Onofre Rullan, University of the Balearic Islands, *Financialization and privatization of the built environment in the urban dynamic post-crisis.*
- 2:20** Nadine Reis\*, Department of Geography, University of



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Bonn, *Land, water and the localisation of finance capital in Mexico's social housing boom.*

Discussant(s): Brett Christophers, Department of Social and Economic Geography, Uppsala University

**2467. Technologies for understanding the animate non/more/other-than-human world (Sponsored by Animal Geography Specialty Group)**

Room: Michigan C, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Connie Johnston, University of Oregon; Julie Urbanik

CHAIR(S): Connie Johnston, University of Oregon

**1:20** Julie Urbanik\*, Mustela Vision Productions, *Using Storymaps to Document the Cultural Animal Landscape.*

**1:40** Suzi Wiseman, PhD\*, *Using Acoustics to Measure and Characterize a Rhinoceros' Soundscape.*

**2:00** Jenny R Isaacs\*, Rutgers University, *Conservation by Computer: Probability and the Monitor-ing of Animal Movement.*

Discussant(s): Connie Johnston, University of Oregon

**2468. Modeling human population - methods and applications of the WorldPop project (Sponsored by Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Andrea Gaughan, University of Louisville; Forrest Stevens, University of Florida

CHAIR(S): Andrea Gaughan, University of Louisville

**1:20** Forrest R. Stevens\*, University of Louisville; Andrew J. Tatem, University of Southampton; Catherine Linard, Université Libre de Bruxelles; Andrea E. Gaughan, University of Louisville; Alessandro Sorichetta, University of Southampton; Graeme M. Hornby, University of Southampton; Nirav N. Patel, George Mason University; Jeremiah N. Nieves, University of Louisville; Carla Pezzulo, University of Southampton, *The Challenges of Mapping the Denominator - the Past, Present and Future of the WorldPop Project.*

**1:40** Alessandro Sorichetta, Dr\*, University of Southampton; Graeme M Hornby, University of Southampton; Forrest R Stevens, Dr, University of Louisville; Andrea E Gaughan, Dr, University of Louisville; Catherine Linard, Dr, Université Libre de Bruxelles; Andrew J Tatem, Dr, University of Southampton, *The Patterns and Drivers of Population Distributions in Latin America and the Caribbean.*

**2:00** Andrea E Gaughan\*, University of Louisville; Forrest R Stevens, University of Louisville; Jeremiah Nieves, University of Louisville; Alessandro Sorichetta, University of Southampton; Catherine Linard, Université Libre de Bruxelles; Nirav N Patel, George Mason University; Graeme M Hornby, University of Southampton; Andrew J Tatem, University of Southampton, *Spatiotemporal patterns of China's population, 1990 to 2010.*

**2:20** Graeme M Hornby\*, University of Southampton; Carla Pezzulo, Dr, University of Southampton; Alessandro Sorichetta, Dr, University of Southampton; Andrea E Gaughan, Dr, University of Louisville; Catherine Linard, Dr, Fonds National de la Recherche Scientifique; Université Libre de Bruxelles; Tomas J Bird, Dr, University of Southampton; Andrew J Tatem, Dr, University of Southampton; Fogarty International Center; Flowminder Foundation, *Dependency ratios and economic output in Africa and Asia.*

**2:40** Nirav Nikunj Patel, MSc\*, George Mason University; Emanuele Angiuli, PhD, University of Pavia; Paolo Gamba, PhD, University of Pavia; Andrea Gaughan, PhD, University of Louisville; Gianni Lisini, PhD, University of Pavia; Forrest R. Stevens, PhD,

University of Louisville; Andrew J Tatem, PhD, University of Southampton; Giovanna Trianni, PhD, University of Pavia, *Multitemporal settlement and population mapping from Landsat using Google Earth Engine.*

**2469. Comparing Phenological Processes and Drivers (Sponsored by Climate Specialty Group)**

Room: Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Mark D. Schwartz, University of Wisconsin-Milwaukee

CHAIR(S): Mark D. Schwartz, University of Wisconsin-Milwaukee

**1:20** Alison Donnelly\*, University of Wisconsin - Milwaukee; Annelies Pletsers, Trinity College Dublin, Ireland; Amelia Caffarra, University of Montpellier, France; Colin Kelleher, Herbarium, National Botanic Gardens, Dublin, Ireland, *The Influence of Temperature and Photoperiod on Budburst of Birch and Aspen.*

**1:40** Liang Liang\*, University of Kentucky, *Detecting the Geographic Paradigms of Plant Phenology.*

**2:00** Lingling Liu\*, Geospatial Science Center of Excellence (GSCE), South Dakota State University; Xiaoyang Zhang, Geospatial Sciences Center of Excellence (GSCE), South Dakota State University, *Interannual Variations of Land Surface Phenology in Tibetan Plateau: A Comparison of Methods and Sources of Uncertainty.*

**2:20** Xiaoyang Zhang\*, South Dakota State University; Dong Yan, South Dakota State University; Lingling Liu, South Dakota State University, *Long-term Land Surface Phenology: Climatology, Trend, Variability, and Climate Impacts.*

**2:40** Mark D. Schwartz\*, University of Wisconsin-Milwaukee, *Integrating Measures of Phenological Progression.*

**2470. Human Geography Poster Session**

Room: Riverside Exhibit Hall, Hyatt, East Tower, Purple

Level (Poster Session)

See pages 168-172.

**2473. Violence as a paradigm shift**

Room: Lucerne 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Felipe De Alba, CESOP, Deputies's Mexican Chamber

CHAIR(S): Analiese Richard, University of the Pacific

Introducer: Felipe De Alba

Introducer: Analiese Richard

**1:40** María Josefina Perez-Espino, Ph.D.\*, El Colegio de la Frontera Norte, A.C., *Transmigration, Migration Risks, Central American and Mexican Migration..*

**1:55** Felipe De Alba\*, RECIM - CESOP, Mexican Chamber of Deputies, *The emotional structure of disasters.*

**2:10** Analiese Richard, Ph.D.\*, University of the Pacific, *Violence and Organized Dominance.*

**2:25** Valente Soto-Cortes\*, University of Arizona, *Witnessing and Dealing with the Effects of Drug-related Violence in Northwest Mexico.*

**2474. Spatiotemporal Symposium: Visualization I (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)**

Room: Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Min Sun, George Mason University; Chaowei Yang, George Mason University

CHAIR(S): E. Lynn Usery, U.S. Geological Survey

**1:20** Patrick J. Kennelly\*, LIU Post; Christopher League, LIU Brooklyn, *Spatiotemporal Visualizations Using a Modified Helix Structure.*

**1:40** Wei Luo\*, VADER Lab, School of Computing, Informatics & Decision Systems Engineering, Arizona State



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University; Hong Wang, VADER Lab, School of Computing, Informatics & Decision Systems Engineering, Arizona State University; Christopher Kyle, VADER Lab, School of Computing, Informatics & Decision Systems Engineering, Arizona State University; Ross Maciejewski, VADER Lab, School of Computing, Informatics & Decision Systems Engineering, Arizona State University, *A spatiotemporal visual analytics for event storytelling.*

- 2:00** Robert N. Stewart\*, Oak Ridge National Laboratory; Jesse Piburn, Oak Ridge National Laboratory; Aaron Myers, Oak Ridge National Laboratory; Devin White, Oak Ridge National Laboratory; Alexandre Sorokine, Oak Ridge National Laboratory, *The World SpatioTemporal Analysis and Mapping Project (World STAMP).*

- 2:20** Min Sun\*, George Mason University; David Wong; Chaowei Yang, *Developing a data structure and visual platform to support spatiotemporal query of social media data.*

- 2475. Settler Colonialism and the City: Gentrification, Urban Dispossession, and Indigenous sovereignty (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group, Indigenous Peoples Specialty Group)**

*Room:* Lucerne 3, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Daniela Aiello, Simon Fraser University; Jessica Hallenbeck, University of British Columbia; Natalie Knight

CHAIR(S): Natalie Knight

- 1:20** Natalie JK Baloy\*, University of California - Santa Cruz, *The Inclusive City: Indigenous Inclusion as Settler Colonial Practice.*

- 1:40** Daniela Aiello\*, University of Georgia, *Restaurant gentrification in Vancouver's Downtown Eastside: Micro-practices and discourses of exclusion, displacement and dispossession..*

- 2:00** Mike Krebs\*, University of British Columbia, *What's 'New' about the Urban Frontier? Gentrification, Dispossession and Urban Indigenous Experience in Canada.*

- 2:20** Glen Coulthard\*, University of British Columbia, *Urbs Nullius: Gentrification and Indigenous Sovereignty in the City.*

Discussant(s): Natalie Knight

- 2476. Geographies of Indigenous-settler relations I: Envisioning futures, addressing pasts (Sponsored by Indigenous Peoples Specialty Group)**

*Room:* Alpine 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Vanessa Sloan Morgan; Heather E. Castleden, Queen's University; Monica Mulrennan, Concordia University

CHAIR(S): Heather E. Castleden, Queen's University

- 1:20** Monica E Mulrennan\*, Concordia University, *Indigenous Peoples, Protected Areas and the Reshaping of Indigenous-Settler Relations in Canada.*

- 1:40** Arn Keeling\*, Memorial University of Newfoundland; John Sandlos, Memorial University of Newfoundland, *Indigenous Knowledge and Environmental Remediation at a Northern Canadian Gold Mine.*

- 2:00** Kelsey Johnson\*, University of British Columbia, Department of Geography, *Yukon's New Gold Rush: Filipino Immigration and Settlement in Whitehorse, Yukon.*

- 2:20** David Robertson\*, SUNY-Geneseo; Chris Larsen, SUNY at Buffalo; Stephen J Tulowiecki, SUNY at Buffalo, *Decolonizing the History of the Genesee Oaks and Exploring Seneca Landscape Agency through Integrative Human-Environment Research..*

- 2:40** Kelsey Carlson\*, Syracuse University, *Dakota Cultural Landscape Preservation in the Twin Cities: How Basic Daily Survival Precludes Claiming and Accessing Urban Public Space.*

- 2477. 2nd Special Session Retail aspects in Urban Geography and Urban Planning I: Immigrant retail geographies (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)**

*Room:* Alpine 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Herman Kok, Multi / ODTU

CHAIR(S): Herman Kok, Multi / ODTU

Introducer: Herman Kok

- 1:25** Antonie Schmitz\*, Humboldt-Universität zu Berlin, *Branding migrant economies through Business Improvement Districts - reflections on a traveling policy.*

- 1:45** Anna Steigemann\*, TU Berlin / CMS, *'Do I need to grow blond hair to become German?' Place Making Practices of Small Business Owners.*

- 2:05** Charlotte Rauchle\*, Humboldt-University Berlin, Geography Department, *'Peripheral diversity': Ethnic economies as a driver for urban development in Germany?.*

- 2:25** Linda Szabó\*, Central European University, *Restructuring retail spaces and Chinese migrants' investments in Budapest.*

Discussant(s): Zoltán Kovács

- 2478. Dr. David Huff: A Tribute to His Contribution to Applied Geographical and Business Research**

*Room:* Zermatt/Gstaad, Swissôtel, Lucerne Level

Organizers: **Tony Hernandez**, Ryerson University and **John Frazier**, Binghamton University

Chair: **Tony Hernandez**, Ryerson University

Panelists:

**Lawrence Joseph**, West Maine

**Anthony Lea**

**William C. Black**, Louisiana State University

Sponsors: Business Geography Specialty Group

- 2479. Assessing Geography's Leaders and Leading Ideas (Sponsored by Historical Geography Specialty Group)**

*Room:* St. Moritz, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Anne Kelly Knowles, Middlebury College

CHAIR(S): M. S. DeVivo

- 1:20** Robert V. Rohli\*, Louisiana State University; Merrill L. Johnson, University of New Orleans, *Jedidiah Morse in Early American Geography Education: Forgotten or Forgettable Geographer?.*

- 1:40** Nuri Yavan, Ankara University Department of Geography; Ceyda Kurtar\*, Ankara University Department of Geography, *(Un)Making Human Geography in Turkey under the Dominance of Environmental Determinism.*

- 2:00** Kevin Evringham\*, University of Connecticut, *Contemporary geopolitics, military geography and the discipline of Geography.*

- 2:20** M. S. DeVivo\*, Grand Rapids Community College, *On Leadership and Geography.*

- 2480. Parks and Housing and Neighbors**

*Room:* Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Whitney Airgood-Obrycki, The Ohio State University

- 1:20** Julia Rothenberg\*, Queensborough Community College, CUNY, *Repurposing the High Line: Aesthetic Experience and Contradiction in West Chelsea.*

- 1:40** Ha Thanh Pham\*, New Jersey Institute of Technology, *Building the Hudson River Waterfront Walkway at Morris Canal's Little Basin: a Negotiation for Public Access to Urban Waterfronts.*

- 2:00** Nicholas Mucha\*, Western Michigan University, *Parks! The Demand For Change.*

- 2:20** Mika Hyötyläinen\*, University of Helsinki, *Tenure stigma: social mixing and land policy in Helsinki.*

- 2:40** Whitney Airgood-Obrycki\*, The Ohio State University, *The*

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*regional dynamics of low-income housing affordability.*

**2481. Remote Sensing and Spatial Analysis Approaches**

*Room:* Verbier, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): John DeGroote, University of Northern Iowa

**1:20** Almaris Figueroa\*, Maureen Clayton; Jay Max Egenhoff, *Using the FieldSpec® 3 and the Olympus CH30 microscope to create a spectral library of different human cancer cells.*

**1:40** Masroor Hussain\*, Queen's University; DongMei Chen, Dr., Queen's University, *Comparison of Shape-related Measures for Evaluating Segmentation Quality.*

**2:00** Xue Li, Michigan State University; Ashton Shortridge\*, Michigan State University, *Exploring uncommon terrain: identifying terrain anomalies across multiple spatial scales.*

**2:20** Andrew Reith\*, Oak Ridge National Laboratory, *Identifying Patterns in Feature Extraction Output by Land Use Type.*

**2:40** John DeGroote\*, University of Northern Iowa Geography, *Development and testing of ArcSLAMM ArcGIS extension.*

**2483. Displacement as a global urban strategy I: Displacement as violent policy**

*Room:* 200 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Guy Baeten

CHAIR(S): Henrik Gutzon Larsen, University of Aalborg

**1:20** Richard Baxter\*, Queen Mary University of London; Mark Davidson, Clark University, *The violence of urban regeneration: home unmaking in the gentrification of the Aylesbury Estate.*

**1:40** Johan Pries\*, Lund University, *Neoliberalism and social planning: the demographic remaking of Malmö after 1985.*

**2:00** Carina Listerborn\*, Malmö University; Guy Baeten\*, *Renewing Urban Renewal in Landskrona, Sweden: Pursuing Displacement through Housing Policies.*

**2:20** Szymon Marcinczak\*, University of Lodz, *Gentrification and displacement as urban policy: The inner-city regeneration in Lodz, Poland.*

**2:40** Parama Roy\*, University of Copenhagen; Anders Lund Hansen, Lund University, *Urban renewal as social cleansing - revanchist urbanism 'gone North'.*

**2484. Biofuels, Bioenergy, and the Emerging Bio-Economy III: Transitions I (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**

*Room:* 203 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Peter Kedron, Ryerson University; Kean Birch, York University; Sharmistha Bagchi-Sen, SUNY-Buffalo

CHAIR(S): Peter Kedron, Ryerson University

**1:20** Jennifer Bloxom\*, Colorado State University, *The Sky is the Limit: How Bio-Based Jet Fuel Is Propelling the Bio-Economy Discussion to New Heights.*

**1:40** Barry D. Solomon\*, Michigan Technological University, *Biofuel Sustainability in Latin America and the Caribbean.*

**2:00** Jani Lukkarinen\*, University of Eastern Finland, *Assembling the scalar politics for sustainability of solid biomass in Europe.*

**2:20** Patrick C. Hallenbeck\*, Université de Montréal; Jessica W Hallenbeck, Department of Geography, University of British Columbia, *Energy Justice and Legacy Emissions as Drivers of Bioeconomic Policy.*

**2:40** Stefano Ponte\*, Copenhagen Business School; Lasse Folke Henriksen, Copenhagen Business School, *From Farm to Flight: Orchestration, Social Networks and the*

*Transnational Environmental Governance of Biofuels for Aviation.*

**2485. Central American 'Crisis' Revisited 3: Crisis narratives and (in)security (Sponsored by Political Geography Specialty Group, Latin America Specialty Group, Development Geographies Specialty Group)**

*Room:* 204 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Zoe Pearson, Ohio State University; Kendra McSweeney, The Ohio State University; Brian Williams, The University of Georgia

CHAIR(S): Kendra McSweeney, The Ohio State University

**1:20** Rebecca Clouser, Ph.D.\*, Washington University in St. Louis, *Contrasting narratives of crisis, development and security.*

**1:40** Leanne Purdum\*, University of Georgia, *Creating Categories of Children: The Legal Treatment of Unaccompanied Undocumented Youth.*

**2:00** Adrienne Pine\*, American University, *The Youth "Crisis" in Post-Coup Honduras: A View from the Pediatric Ward.*

**2:20** Catherine Nolin, Associate Professor\*, University of Northern British Columbia (UNBC), *Memory-Truth-Justice: The Crisis of the Living in the Search for Guatemala's Dead and Disappeared.*

**2:40** Mary Finley-Brook\*, University of Richmond, *Marginalization, Re-marginalization, and De-marginalization in Central America.*

**2486. Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 1 of 3) (Sponsored by AAG Jobs and Careers Theme)**

*Room:* 300 Classroom, University of Chicago Gleacher Center, 3rd Floor (Panel Session)

ORGANIZER(S): Thomas J. Baerwald, National Science Foundation

CHAIR(S): Thomas J. Baerwald, National Science Foundation

**2487. Fluvial Geomorphology 3: Spatial Heterogeneity in Rivers - Focus on Lithology and Channel Morphology (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)**

*Room:* 303 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Lisa Davis, University of Alabama

CHAIR(S): Lisa Davis, University of Alabama

**1:20** Amanda Keen-Zebert\*, Desert Research Institute, *Using optically stimulated luminescence (OSL) to investigate the impact of lithological heterogeneity on sediment preservation in fluvial systems.*

**1:40** Stephanie L. Shepherd\*, Auburn University; Amanda Keen-Zebert, Desert Research Institute, *Heterogeneous Lithology and Valley Width in the Buffalo River Watershed, Northern Arkansas.*

**2:00** Allison Tarbox\*, University of Alabama, *Understanding the spatial heterogeneity of bedrock shoals in mid-sized rivers with metamorphic and igneous lithology..*

**2:20** Patricia F. McDowell\*, University of Oregon, *Spatial Patterns in Channel Bed Material in an Upland Gravel-cobble Bed River, Middle Fork John Day River, Oregon.*

**2:40** Laurence Lin, University of Alabama; Lisa Davis\*, University of Alabama; Elise Chapman, University of Alabama; Jennifer Edmonds, Nevada State College; Sagy Cohen, University of Alabama, *Experimental research on the effects of reach-scale geomorphic complexity and nitrogen retention in rivers.*

**2488. Making Other Worlds Possible VIII: Urban Political-Economy 'From Below' 1 (Sponsored by Cultural Geography Specialty Group, Economic Geography Specialty Group)**

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**Room:** 304 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)  
**ORGANIZER(S):** Christian Anderson, University of Washington at Bothell; Amanda Huron, University of the District of Columbia  
**CHAIR(S):** Marianna Pavlovskaya, Hunter College and CUNY Graduate Center  
**1:20** Elizabeth Mason-Deese\*, UNC-Chapel Hill, *Unemployed Workers' Movements, Creating Diverse Economies in Buenos Aires*.  
**1:40** Hillary Caldwell\*, City University of New York, Graduate Center, *The NYC Community Land Initiative: An Intimate Intervention into Global Capitalism*.  
**2:00** Heather McLean, Dr\*, University of Glasgow, *Dirty Plotz: Feminist and Queer Performance in the 'Creative City'*.  
**2:20** Rich Heyman\*, University of Texas at Austin, *Making Cooperation Work: Building the Cooperative Economy in Austin, Texas*.  
**2:40** Amanda Huron, PhD\*, University of the District of Columbia, *The Feminist Project of the Urban Commons: Work, Life, and Subsistence in the City*.

**2489. Geographies of Activism and Protest III (Sponsored by Cultural Geography Specialty Group)**

**Room:** 306 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)  
**ORGANIZER(S):** Patricia Burke Wood, York University; Richard White, Sheffield Hallam University  
**CHAIR(S):** Patricia Burke Wood, York University  
**1:20** Richard J White, Dr.\*, Sheffield Hallam University, *Recognising "the activist" and activism in the everyday: a focus on the pervasive nature of anarchist forms of organisation and non-commodified spaces in a "capitalist" society*.  
**1:40** Carrie Mott\*, University of Kentucky, *Negotiating Guilt: White privilege, solidarity, and self-work*.  
**2:00** Friederike Landau, M.A.\*, Technical University, Berlin, *On Contemporary Formations of Political Actors in Berlin's Art Field*.  
**2:20** Jessica McLean\*, Macquarie University, *The contingency of change in the Anthropocene: Renegotiation of power relations in climate change institutional transformation in Australia*.  
**2:40** Matthew F. Rech\*, Newcastle University, *Counter military recruitment and contested terrains of resistance*.

**2490. Spatial Data Mining and Big Data Analytics (7) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**

**Room:** 406 Classroom, University of Chicago Gleacher Center, 4th Floor (Paper Session)  
**ORGANIZER(S):** Diansheng Guo, University of South Carolina; May Yuan, University of Texas - Dallas; Harvey J. Miller, The Ohio State University  
**CHAIR(S):** Shaun Arthur Langley, Urban GIS  
**1:20** Joris Beckers\*, University of Antwerp; Ann Verhetsel, University of Antwerp; Thomas Vanoutrive, University of Antwerp; Isabelle Thomas, Université catholique de Louvain, *Geographical Clustering of Buyer-Supplier Linkages in the Logistics Sector in Belgium*.  
**1:40** Michiel De Meyere\*, University of Antwerp; Thomas Vanoutrive, University of Antwerp; Ann Verhetsel, University of Antwerp, *Assessing Daily Urban Systems in Belgium: A Network Approach Based on Commuting Flows*.  
**2:00** Tracy Onega, Ph.D, M.A., M.S.\*, Dartmouth College; Jennifer Alford-Teaster, MA, MPH, Dartmouth College; Steven Andrews, PhD, Dartmouth College; Mike Perez, JD, Exaptive; David King, BS, Exaptive; Craig Ganoe, MS, Dartmouth College; Bridget Melvin,

BS, '16, Dartmouth College; Xun Shi, PhD, Dartmouth College, *Development of a dynamic web-integrated spatio-temporal platform for national monitoring of technology diffusion: the example of digital breast tomosynthesis*.

**2:20** Kevin Gingerich\*, University of Windsor; Hanna Maoh, University of Windsor; William Anderson, University of Windsor, *Utilizing spatial patterns to identify the purpose of a stopped truck: An application of entropy to GPS data*.

**2:40** Shaun Arthur Langley\*, Urban GIS; Ashton M Shortridge, Michigan State University, *Managing extremely large volumes of data in a geodatabase*.

**2491. The LandScan Population Project (Sponsored by Population Specialty Group)**

**Room:** 422 Classroom, University of Chicago Gleacher Center, 4th Floor (Paper Session)  
**ORGANIZER(S):** Amy Rose, Oak Ridge National Laboratory  
**CHAIR(S):** Eddie Bright, Oak Ridge National Laboratory  
**1:20** Eddie Bright\*, Oak Ridge National Laboratory, *Population Distribution and Dynamics Research at Oak Ridge National Laboratory*.  
**1:40** Amy N. Rose\*, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory, *Testing the Boundaries: The Impact of Subnational Boundary Quality on Population Distribution Datasets*.  
**2:00** Brian Moore\*, Oak Ridge National Laboratory (ORNL); Jeanette Weaver, Oak Ridge National Laboratory (ORNL); Eddie Bright, Oak Ridge National Laboratory (ORNL); Anil Cheriyaad, Oak Ridge National Laboratory (ORNL), *The Expanding Use of Local Area Statistics to Classify Spatial Features*.  
**2:20** Eric Weber\*, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory, *Data Fusion for Facility-Based Population Modeling in the Developing World*.  
**2:40** Matthew C Whitehead\*, Oak Ridge National Laboratory, *Automated and Accurate Critical Infrastructure Mapping Using Derived Building Footprints and Parcel Level Geocoding*.

**2492. Geosimulation and Big Data: A Marriage made in Heaven or Hell? (3) Discussion Session.**

**Room:** 600a Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)  
**ORGANIZER(S):** Nick Malleon, University of Leeds  
**CHAIR(S):** Nick Malleon, University of Leeds  
**1:20** Paul M Torrens\*, University of Maryland; Hai Lan, University of Maryland, *Micro big data and geosimulation*.  
**1:40** Mark Birkin\*, University of Leeds, *The Ten Commandments of Big Data*.

**2493. Placing Education 3: Complexity and Unfolding Projects in Education**

**Room:** 600b Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)  
**ORGANIZER(S):** Dan Cohen, University of British Columbia  
**CHAIR(S):** Dan Cohen, University of British Columbia  
**1:20** Mark Hunter\*, University of Toronto, *Schooling Choice in South Africa: Contesting Race, Class, and Symbolic Power*.  
**1:40** David Backer, PhD\*, Guttman Community College, City University of New York, *Saying Revolution: Education, Communication, and Social Change in New York and Nicaragua*.  
**2:00** Paul Bocking\*, York University, *Neoliberal Education Policy Mobility Across North America, the Deskilling of Teachers and Resistance*.  
**2:20** Grant Walton\*, Australian National University, *The geographies of education financing in Papua New*

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- 2:40** Christopher Lizotte\*, University of Washington, *Where the grassroots and the elite meet: Examining flows of information and money in market-based school reform.*

**2494. Reimagining the Global Economy-Towards a Geography of Use Values I: Empirics of poverty (Sponsored by Political Geography Specialty Group, Economic Geography Specialty Group)**

**Room:** 602 Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Janelle Knox-Hayes, Georgia Institute of Technology; Lakshman Yapa, Pennsylvania State University  
CHAIR(S): Maria Fannin, University of Bristol

- 1:20** Lakshman Yapa\*, Pennsylvania State University, *Poverty is not an economic problem: Use value and post-structural politics of agency.*

- 1:40** Ann Myatt James\*, Pennsylvania State University, *Feeding Hungry People: Examining Interventions in US Food Security.*

- 2:00** Alan Paul\*, Giant Angstrom Partners, *Value versus Valuation: An Institutional Approach to Economic Geography.*

- 2:20** Amanda Kass\*, University of Illinois at Chicago, *What's Being Valued? Understanding the Policy Decisions of the Chicago Housing Authority.*

Discussant(s): Garrett Graddy-Lovelace, American University School of International Service

**2495. Oceanic Matters I (Sponsored by Cultural Geography Specialty Group)**

**Room:** 604 Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Catherine Phillips, University of Western Sydney; Leah Gibbs, University of Wollongong

CHAIR(S): Leah Gibbs, University of Wollongong

- 1:20** Catherine Phillips\*, University of Queensland, *Haunting the Gulf: flows, valuations, governance of ghost nets.*

- 1:40** Felicity Picken, PhD\*, University of Western Sydney, *Submersing modernity, provoking Atlantis and performing a catalyst for change.*

- 2:00** RDK Herman\*, National Museum of the American Indian, *Voyaging: An Oceanic Approach to Interconnectivity and Human Agency.*

- 2:20** Michael Adams, PhD\*, University of Wollongong, *One breath: embodied geographies of freediving.*

- 2:40** Leah Gibbs, PhD\*, University of Wollongong; Andrew Warren, PhD, University of Wollongong, *Nonhuman agency in human-shark encounter.*

**2497. Uneven Development and the Production of Space in the Ecuadorian Revolution**

**Room:** 621 Executive Dining Room, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Japhy Wilson; David Harvey; Miguel Robles-Duran

CHAIR(S): David Harvey

Introducer: David Harvey

- 1:35** Miguel Robles-Duran\*, CENEDET, *Alternative Property Systems in Ecuador.*

- 1:52** Andrea Carrion\*, National Strategic Centre for the Right to Territory (CENEDET); Carla Simbaña, National Strategic Centre for the Right to Territory (CENEDET); Estefania Martínez, National Strategic Centre for the Right to Territory (CENEDET); Verónica Morales, National Strategic Centre for the Right to Territory (CENEDET), *State restructuring, urban governance and the right to the city: the politics of space in Quito, Ecuador.*

- 2:09** Thomas Francis Purcell\*, National Strategic Centre for the Right to Territory (CENEDET); Nora Fernandez,

National Strategic Centre for the Right to Territory (CENEDET), *Nature as a Bio-Socialist Accumulation Strategy: Ecuador and the Knowledge City Yachay.*

- 2:26** Japhy Wilson\*, National Strategic Centre for the Right to Territory (CENEDET); Manuel Bayón Jiménez, National Strategic Centre for the Right to Territory (CENEDET); Henar Díez Villahoz, National Strategic Centre for the Right to Territory (CENEDET), *Postneoliberalism and Planetary Urbanization in the Ecuadorian Amazon.*

- 2:43** Lisset Del Rocio Coba\*, National Strategic Centre for the Right to Territory (CENEDET); Tania Macera, National Strategic Centre for the Right to Territory (CENEDET), *(Bio) political economy and the production of otherness: social engineering/sustaining life.*

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*Room:* Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Paul Laris, CSU Long Beach; Jennifer Marlon, Yale University; Michael R. Coughlan, University of Georgia

CHAIR(S): Paul Laris, CSU Long Beach

**3:20** Zhuoting Wu\*, US Geological Survey; Barry Middleton, USGS; John Vogel, USGS; Dennis Dye, USGS, *Wildland Fires and Forest Biomass Mapping Using Active and Passive Remote Sensing in the Southwest.*

**3:40** Duane Griffin\*, Bucknell University, *Anomalous Anthropogenic Burning on an Isolated Andaman Island.*

**4:00** Nicholas Gill\*, University of Wollongong; Olivia Dun, University of Wollongong; Chris Brennan-Horley, University of Wollongong; Christine Eriksen, University of Wollongong, *Visual Prompts: Eliciting Amenity and Bushfire Hazard Mitigation Preferences in Fire-prone Landscapes of NSW, Australia.*

**4:20** Jacob Bendix\*, Syracuse University; Michael G. Commons, Syracuse University, *Day of the Week as a Factor in Wildfire Ignition.*

**4:40** Thuan Chu\*, Xulin Guo, Dr.; Kazuo Takeda, Dr., *Remote Sensing Approach to Modelling Stages of Forest Succession in Post-fire Environment of Taiga Steppe Transition Zone in Northern Mongolia.*

**2502. Agrarian Change in the Coffeelands: Methods for Livelihoods, Gender, Agroecology, and Food Security (Sponsored by Rural Geography Specialty Group)**

*Room:* Skyway 261, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Christopher Bacon, Santa Clara University; Tad Mutersbaugh, University of Kentucky  
 CHAIR(S): Christopher Bacon, Santa Clara University  
 Panelists: Tad Mutersbaugh, University of Kentucky; Christopher Bacon, Santa Clara University; Robert A. Rice, Smithsonian Institution; Katherine Goodall, Wellesley College

**2505. Urban Development and Redevelopment**

*Room:* Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Program Committee  
 CHAIR(S): Tyrel G. Moore, unc at Charlotte  
**3:20** Yasmin Hilpert\*, *Socio-economic developments and their change are increasingly focussed in metropolises.*  
**3:40** Andrew Marshall\*, The Pennsylvania State University, *The Philadelphia Navy Yard and the Changing Landscapes of Militarization.*  
**4:00** Evan Cleave\*, University of Western Ontario; Godwin Arku, University of Western Ontario, *Cooperating to Create Critical Mass: Implications for Municipal Place Branding in Ontario, Canada.*  
**4:20** Tonya Davidson\*, Ryerson University, *'Starchitecture', design competitions, and monument building in Canada's National Capital Region.*  
**4:40** Tyrel G. Moore, Ph.D.\*, unc at Charlotte; Rhonda L. French, UNC at Charlotte; Jamie L. Strickland, UNC at Charlotte, *Textile Mill Reuse in Small Towns in the Carolinas Piedmont.*

**2506. Wine Regions 2: North American Wine Regions (Sponsored by Wine Specialty Group)**

*Room:* Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Robert P. Sechrist, Indiana University of Pennsylvania  
 CHAIR(S): Robert P. Sechrist, Indiana University of Pennsylvania  
**3:20** Kathryn Nora Barnard\*, Portland State University; Scott F Burns, PhD, Portland State University, *The Terroir of Pinot Noir Wine in the Northern Willamette Valley,*

*Oregon - A Broad Analysis of Vineyard Soil Physical and Chemical Characteristics, Grape Juice and Wine Chemistry and Wine Sensory Characteristics.*

**3:40** Steven R Schultze\*, Michigan State University - Department of Geography; Paolo Sabbatini, Michigan State University - Department of Horticulture; Jeffery A. Andresen, Michigan State University - Department of Geography; Lifeng Luo, Michigan State University - Department of Geography, *Effects of a continual warming trend on cool climate Viticulture in Michigan, USA.*

**4:00** Scott F. Burns\*, Portland State University, *Soils, Geology, and Terroir of the Umpqua Valley AVA, Oregon.*

**4:20** Hilary Whitney\*, Portland State University; Scott Burns, Ph.D, Portland State University, *Terroir of the Columbia Gorge AVA: An update on trends in the geology, soils and climate.*

**2508. Mobilities and Spatial Modernity in Contemporary China-2 (Sponsored by China Specialty Group)**

*Room:* Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Xiaobo Su, University of Oregon; Hong Zhu  
 CHAIR(S): Xiaobo Su, University of Oregon  
**3:20** Hong Zhu\*, *Whose Authenticity? The Tourist Gaze and Local Identities in Lugu Lake.*  
**3:40** Travis Klingberg\*, University of Colorado at Boulder, *Mobility and individualization in China.*  
**4:00** SoYoung Park\*, *How Joseonjok Returnees Negotiate their Koreanized-China Dream with Beijing Hukou System.*  
**4:20** Yi Yu\*, University of Oregon, *Cultural Politics of Heritage-making in China: a case study of three adjacent villages.*

**2509. Urban Renewal 4: Changing Places and Changing Perceptions in Challenged Neighborhoods (Sponsored by Urban Geography Specialty Group)**

*Room:* Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Julie Clark, University of Glasgow; Nicholas Wise  
 CHAIR(S): Julie Clark, University of Glasgow  
**3:20** Stephen Buckman\*, University of Michigan; David Folch, Florida State University; Jen Kitson, Arizona State University, *Beyond Rail and Ritalin: Amenity Driven High-Density Development (ADHD) for the 21st Century Polycentric City.*  
**3:40** Sebastien Darchen\*, UQ, *Adaptive Re-use and the Rebirth of Downtown Los Angeles: Construction of a New Urbanity?.*  
**4:00** Alana Robinson\*, University of Vermont; Natalie Westberg\*, Macalester College; Katherine Hankins, Dr., Georgia State University; Andy Walter, Dr., University of West Georgia, *The Voices of Vine City: Examining Urban Futures 'from Below'.*  
**4:20** Jared Olson\*, Medical College of Wisconsin; Kirsten Beyer, PhD, Medical College of Wisconsin; Kelly Hoormann, Medical College of Wisconsin; Moriah Iverson, Medical College of Wisconsin; Sandra Bogar, Medical College of Wisconsin; Zhou Yuhong, Medical College of Wisconsin, *Vacant Lot Conversions for Community Health.*  
**4:40** James C. Fraser\*, Vanderbilt University, *Mixed-Income Housing Ideology and Urban Redevelopment: The Construction of Place and Displacement in Over-The-Rhine, Cincinnati.*

**2510. (Second) Taste of the Sea: an exploration of seafood and place in three courses (Sponsored by Geographies of Food and Agriculture Specialty Group)**

*Room:* Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Lillian Brown, Indiana University; Daniel C. Knudsen, Indiana University  
 CHAIR(S): Lillian Brown, Indiana University

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**3:20** Sveta Yamin-Pasternak\*, University of Alaska Fairbanks, *Our Sockeye Pilgrimage: Dip-Netting for Salmon in Kenai, Alaska.*

**3:40** Jennifer Grace Smith, MRM, MA\*, University Centre of the Westfjords, University of Akureyri; Catherine Chambers, Ph.D. Candidate, University of Alaska, Fairbanks, *Where Are All The Fish? An Analysis of Local Fish Networks and Gift Networks in The Westfjords of Iceland.*

**4:00** Antonia Marie Santangelo\*, CUNY - Graduate Center, *Protecting the Connection between Seafood, Place and Identity: Istanbul's Slow Fish Movement.*

**4:20** Amelia Duffy-Tumas, PhD Candidate\*, Rutgers University- New Brunswick, *Fish for the family bowl in Senegal.*

Discussant(s): Nicole Gombay, Université de Montréal

**2511. GIS: Data, Methods, and Models**

Room: Skyway 285, Hyatt, East Tower; Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Boleslo Edward Romero, University of California - Santa Barbara

**3:20** Longgang Xiang\*, wuhan university; xingxing wang, wuhan university, *A Multi-level Abstraction Model for Describing Observation Data Sources.*

**3:40** Daniel Cobb\*, Oak Ridge National Laboratory, *An untapped data mine: Image Pattern Type Differentiation and Cadastral Datasets.*

**4:00** Boleslo Edward Romero\*, University of California, Santa Barbara, *An Evaluation of Sampling Methods for Spatial Outlier Detection.*

**4:20** Margherita Azzari\*, Università degli Studi di Firenze - Italy, *Geographical reporting and monitoring system for regional policies about Social Inclusion and new digital citizenship. The ReGIS Project.*

**4:40** Insu Hong\*, Arizona State University; Michael Kubly, Arizona State University; Alan T. Murray, Drexel University, *Locating recharging stations for commercial drone delivery in urban areas.*

**2513. Meet the Author: How to Design, Write, and Present a Successful Dissertation Proposal (Sponsored by AAG Jobs and Careers Theme)**

Room: Columbus AB, Hyatt, East Tower; Gold Level (Panel Session)

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

CHAIR(S): Elizabeth A. Wentz, Arizona State University

Discussant(s): Elizabeth A. Wentz, Arizona State University

**2514. Family and Academia: Strike a balance (Sponsored by AAG Jobs and Careers Theme, Stand-Alone Geographers Affinity Group, Community College Affinity Group)**

Room: Columbus CD, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Niem Huynh, Association of American Geographers

CHAIR(S): Niem Huynh, Association of American Geographers

Panelists: Brian E. Johnson, University of Alabama at Birmingham; Susan W. Hardwick, University of Oregon; Gillian Acheson, Southern Illinois University Edwardsville; Caroline Faria, University of Texas - Austin; Edwin Chow, Texas State University

**2517. Geography and Online Education A: What are the key challenges and opportunities afforded by online higher education? (Sponsored by National Center for Research in Geography Education, Esri, Association of American Geographers, Geography and Online Education Theme)**

Room: Columbus H, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Mark Revell, Association of American Geographers - Washington, DC; Michael N. Solem, Association of American Geographers

CHAIR(S): David DiBiase, Esri

Discussant(s): Stuart C. Aitken, San Diego State University

Panelists: Jason B. Greenberg, Sullivan University; Sarah Goggin, Cypress College; Pablo Fuentenebro, University of Western Sydney; Robert Whiting, Western Governors University; Erin H. Fouberg, Northern State University; Michael E. Ritter, University of Wisconsin - Stevens Point

**2518. Life and Death in Kurdistan: Kurdish revolutions, the rise of "Islamic State/ISIL" and their implications for borders, territory and sovereignty.**

Room: Columbus JJ, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Till F. Paasche, Soran University; James Sidaway, National University of Singapore; Sanan Moradi, Miami University

CHAIR(S): Sanan Moradi, Miami University

Introducer: James Sidaway

Discussant(s): Alexander B. Murphy, University of Oregon

Panelists: Carl Thor Dahlman, Miami University; Jessie Hanna Clark, University of Nevada

**2519. Climate Literacy and Education (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Geography Education Specialty Group)**

Room: Columbus KL, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Dan Bedford, Weber State University; John A. Harrington, Kansas State University

CHAIR(S): Dan Bedford, Weber State University

**3:20** Dan Bedford\*, Weber State University, *Does Climate Literacy Matter?.*

**3:40** Lisa K Tabor\*, Kansas State University, *An Exploration of Climate Change Education in the K-12 Classroom.*

**4:00** Patricia A. Solis, PhD\*, Texas Tech University, *Mapping Across Borders as a Collaborative Learning Approach for Climate Change Education.*

**4:20** Katherine Clifford\*, University of Colorado At Boulder, *Reading Climate: Linking climate literacy with perception.*

**4:40** Shannon O'Lear, Ph.D.\*, University of Kansas, *Geopolitics of Climate Science: What an Incomplete Policy Summary Suggests for Climate Literacy.*

**2520. Geographies of Resilience 4: Cultural Perspectives on Everyday Resilience: Contributions from Geography (Sponsored by Cultural and Political Ecology Specialty Group)**

Room: Grand A, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Emily Boyd; Hilary Geoghegan, University of Reading; Michael K Goodman, University of Reading

CHAIR(S): Emily Boyd

Introducer: Emily Boyd

Discussant(s): David Simon, Royal Holloway, University of London

Panelists: Sara Meerow, University of Michigan

**2521. Outcast Cities III: Spatial Strategies of/against Displacement (Sponsored by Urban Geography Specialty Group, Development Geographies Specialty Group)**

Room: Grand B, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Asher Ghertner, Rutgers University; Austin Zeiderman, London School of Economics

CHAIR(S): Austin Zeiderman, London School of Economics

**3:20** Jesse McClelland\*, University of Washington, *Social mixity and regulatory hybridity in the regeneration of Addis Ababa.*

**3:40** Nicholas K Blomley\*, Simon Fraser University, *The displacement of law: 'spatial tactics' and urban marginality..*

**4:00** Sara Safransky\*, UNC-Chapel Hill, *Green urbanisms: competing visions for postindustrial futures in Detroit.*

**4:20** Sapana Doshi\*, University of Arizona, Tucson, *Modernity corrupted, development betrayed: Affective ethico-*

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*politics of slum redevelopment and anti-displacement mobilizations in Mumbai.*

Discussant(s): Asher Ghertner, Rutgers University

**2522. Author-Meets-Critics: David Harvey's Seventeen Contradictions and the End of Capitalism (Sponsored by Socialist and Critical Geography Specialty Group)**

*Room: Grand C/D North, Hyatt, East Tower; Gold Level (Paper Session)*

ORGANIZER(S): John Finn, Christopher Newport University

CHAIR(S): John Finn, Christopher Newport University

Introducer: John Finn

Discussant(s): Don Mitchell, Syracuse University

Panelists: Erik Swyngedouw, University of Manchester; Susan M. Roberts, University of Kentucky; Ipsita Chatterjee, University of North Texas; Richard Peet, Clark University; Elaine Hartwick, Framingham State University; David Harvey

**2523. Locating Feminist Theory and Practice in Economic Geography III (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**

*Room: Grand C/D South, Hyatt, East Tower; Gold Level (Paper Session)*

ORGANIZER(S): Carolin L. Schurr, University of Zürich; Sayoni Bose, The Ohio State University; Marit Rosol, TU Dresden / University of Frankfurt

CHAIR(S): Oona Morrow, Clark University

**3:20** Maria Fannin\*, University of Bristol, *Gender, labour, and value in the bioeconomy.*

**3:40** Carolin L. Schurr, Dr. \*, University of Zürich, *From emotional towards affective labor: Revisiting the emotional turn in economic geography.*

**4:00** Ann M Oberhauser, PhD\*, West Virginia University, *(Re)Mapping Feminist Economic Geography and Development.*

**4:20** Katherine Gibson\*, University of Western Sydney; Katharine Mckinnon\*, Macquarie University, *Feminist economic geography and 'epistemologies of the south': conversations around gender equality and development in the Pacific.*

Discussant(s): Kendra Strauss, Simon Fraser University

**2524. Urban power, urban politics: reconnecting electricity and the city (2) (Sponsored by Energy and Environment Specialty Group)**

*Room: Grand E/F, Hyatt, East Tower; Gold Level (Paper Session)*

ORGANIZER(S): Jonathan Rutherford; Harriet Bulkeley, University of Durham

CHAIR(S): Harriet Bulkeley, University of Durham

**3:20** Stephanie Wakefield\*, *From Subjects to Systems: the Birth of the Self-Healing City.*

**3:40** Heather Chappells\*, Saint Mary's University; Vanessa Taylor, University of Greenwich; Frank Trentmann, Birkbeck College, *Uneven transformations: The politics of past electricity development and the variable resilience of urban infrastructures and consumer practices.*

**4:00** Noel Cass\*, Lancaster University, UK; James Faulconbridge, Lancaster University, UK, *Electricity demand in offices: presumptions of normality and need and the un-black boxing of design standards.*

**4:20** Hanna Baumann, PhD Candidate\*, Centre for Urban Conflicts Research, Department of Architecture, University of Cambridge, *Infrastructural violence in East Jerusalem: sovereignty and contestation.*

Discussant(s): Gordon Walker, Lancaster University

**2525. Crowdsourced information, advanced computing technologies and applications in Web GIS (Sponsored by Cyberinfrastructure Specialty Group, Applied Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room: Grand Suite 2 AB, Hyatt, East Tower; Gold Level (Paper Session)*

ORGANIZER(S): Han Qin, GMU; Min Sun, George Mason University

CHAIR(S): Han Qin, GMU

**3:20** Han Qin\*, GMU; Rebecca Rice, GMU; Matthew Thomas Rice, GMU; Eric Ong, GMU, *Geocrowdsourcing and Accessibility for Mobility-impaired Individuals at Dynamic Environments.*

**3:40** Rebecca M Rice\*, George Mason University; Han Qin, George Mason University; Matt Rice, George Mason University, *The Use of VGI in Enhancing Pedestrian Accessibility and the Quality Assurance of Location-Based Data.*

**4:00** Alexander J Ebenstein\*, Western Michigan University, *Using an Interactive Mobile Application to Crowdsource Data Collection for Management Issues in Asylum Lake Preserve, Kalamazoo, MI.*

**4:20** Amanda Richard\*, Florida State University; Mark Horner, Florida State University, *Twitter Document Similarity Clustering for Transportation Planning Applications.*

**4:40** Cheng Fu\*, University of Maryland; Jiaying He, University of Maryland; Paul Torrens, University of Maryland, *Simulating Human Daily Activity and Time Use Pattern Using Time Diary and GPS Tracking Data.*

**2526. University Technology Transfer: The Globalization of Academic Innovation (Sponsored by Economic Geography Specialty Group)**

*Room: Grand Suite 3, Hyatt, East Tower; Gold Level (Paper Session)*

ORGANIZER(S): Shiri M. Breznitz, University of Toronto

CHAIR(S): Shiri M. Breznitz, University of Toronto

Introducer: Shiri M. Breznitz

**3:40** David A. Wolfe, Professor\*, University of Toronto, *Commercialization and Tech Transfer Policies and Intellectual Property Regimes in Canada.*

**4:00** Tatiana Pospelova, PhD Candidate\*, *University Technology Transfer in Russia.*

**4:20** Maryann Feldman\*, NSF, *The American Tech Transfer Experience.*

Discussant(s): Helen Lawton Smith, Birkbeck University of London

**2527. CyberGIS Symposium: High-Performance and Large-Scale Geospatial Computing II: Applications and Case Studies (Sponsored by Cyberinfrastructure Specialty Group)**

*Room: Grand Suite 5, Hyatt, East Tower; Gold Level (Paper Session)*

ORGANIZER(S): Dilip Patlolla, ORNL; Xuan Shi, University of Arkansas

CHAIR(S): Dilip Patlolla, ORNL

**3:20** Qingfeng Guan\*, China University of Geosciences (Wuhan); Jianjun Lv, China University of Geosciences (Wuhan); Yang Liu, China University of Geosciences (Wuhan), *A Parallel Computing Algorithm for Landscape Metrics.*

**3:40** Feng Ni\*, University of Texas at Dallas; Fang Qiu, University of Texas at Dallas, *Parallel Implementation of Object-based Image Classification using Graphics Processing Units: An Experiment with Worldview-2 Data and Kolmogorov-Smirnov Based Classifier.*

**4:00** Eunjeong Yang\*, *Spatial decision making research by utilizing unstructured big data: Focused on regional regeneration through reuse of abandoned mines as industrial heritage.*

**4:20** Ouya Zhang\*, Clark University, *Twitter geodemographic analysis of ethnicity and identity in Greater Boston.*

**4:40** Matthew H. Connolly, Ph.D.\*, University of Central Arkansas; Simon Brewer, Ph.D., University of Utah, *Decadal County-scale Trajectory Changes in the Drivers of Municipal Water Consumption.*

**2528. Human Dynamics in the Mobile Age II (Sponsored by Geographic Information Science and Systems Specialty**

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- Room:** Plaza A, Hyatt, East Tower, Green Level (Paper Session)  
 ORGANIZER(S): Xinyue Ye, Kent State University; Ming-Hsiang Tsou, San Diego State University; Shih-Lung Shaw, University of Tennessee  
 CHAIR(S): Xinyue Ye, Kent State University  
**3:20** Shengwen Li\*, Xinyue Ye; Jay Lee, *Use of Social Media for Real-Time Detection and Reporting of Infectious Disease.*  
**3:40** Junchuan Fan\*, University of Iowa; Kathleen Stewart, University of Iowa, *Semantic Data Modeling for Movement on a Smart Campus.*  
**4:00** Xining Yang\*, The Ohio State University; Xiang Chen, Arkansas Tech University, *Visualize Space-Time Patterns of Individual Food Activities with Data from Social Media.*  
**4:20** Sue Ellen Cocco, Ms\*, Universidade Federal do Rio de Janeiro, *Online And Offline Articulation of Political Activism In The Public Space.*  
**4:40** Zhuo Chen\*, Department of Geography, Kent State University; Xinyue Ye, Department of Geography, Kent State University; Jay Lee, Department of Geography, Kent State University; Xiannian Chen, Department of Geography, West Virginia University, *Geography of Social Media: A look at geographic and temporal trends of the April 2nd shooting incidence at Kent State University.*

**2529. Authors-meet-critics double bill: Irus Braverman's Wild Life: The Institution of Nature & Jamie Lorimer's Wildlife in the Anthropocene (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**

- Room:** Plaza B, Hyatt, East Tower, Green Level (Panel Session)  
 ORGANIZER(S): Rosemary-Claire Collard, University of Toronto; Kathryn Yusoff, Queen Mary University of London  
 CHAIR(S): Kathryn Yusoff, Queen Mary University of London  
 Panelists: Becky Mansfield, The Ohio State University; Alex Loftus, King's College London; Katja Grotzner Neves, Concordia University; Nigel Clark, Lancaster University; Irus Braverman, SUNY - Buffalo; Jamie Lorimer, University of Oxford

**2530. New Methods for Measuring Segregation 2 (Sponsored by Population Specialty Group)**

- Room:** Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): John Östh  
 CHAIR(S): Andreas Alm Fjellborg  
**3:20** Kati Kadarik, Institute for Housing and Urban Research, Uppsala University; John Östh\*, *Spatial Integration in Sweden - a longitudinal study of variation in integration among immigrants to Sweden.*  
**3:40** Lena Imeraj\*, Vrije Universiteit Brussel; Didier Willaert, Vrije Universiteit Brussel; Helga AG de Valk, Vrije Universiteit Brussel & NIDI, *A comparative approach towards ethnic segregation patterns in Belgian cities using individualised neighbourhoods.*  
**4:00** Ian Shuttleworth\*, QUB, *Eastern European immigrants in a comparative international urban context: A K-nearest neighbour perspective.*  
**4:20** Kati Kadarik\*, Institute for Housing and Urban Research, Uppsala University; John Östh, *Relevant spatial scales for ethnic integration, the case of Sweden.*  
**4:40** Lena Magnusson Turner\*, Norwegian Social Research, *Population dynamics in ethnically diversified neighbourhoods in Oslo.*

**2531. Worldly Literary Geographies: The Work and the World (Sponsored by GeoHumanities Theme, Cultural Geography Specialty Group)**

- Room:** Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): David McLaughlin, University of Cambridge; Philip Howell, University of Cambridge

CHAIR(S): David McLaughlin, University of Cambridge  
**3:20** Philip Howell\*, University of Cambridge, *Time-geography, gentlemen, please: chronotopes of publand in Patrick Hamilton's London Trilogy.*

**3:40** Jonathan Bratt\*, Arizona State University, *Movement, Encounter, and Memory in Tourism Advertising.*

**4:00** Jorn Seemann\*, Universidade Regional do Cariri, *Literary cartographies, textual geographies and the linearity of written texts.*

**2532. Rendering Land Investable I: Multiple Ontologies and Materialities in the Global Land Rush (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)**

- Room:** Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Julian S. Yates, University of British Columbia; Jenny Elaine Goldstein, University of California - Los Angeles  
 CHAIR(S): Julian S. Yates, University of British Columbia  
**3:20** Alicia Hazuki Lazzarini, Ph.D. Candidate\*, University of Minnesota, *What is the 'Re' in Rehabilitation? Historical Ontologies and Postcolonial Valuing in Mozambique.*  
**3:40** Eric Michael Hirsch\*, University of Chicago, *Investment's Rituals: Legitimizing an Andean Gold Mine.*  
**4:00** Rachel Nalepa\*, Boston University; Dana Marie Bauer, Assistant Professor, Boston University; Anne Short, Assistant Professor, Boston University, *'Unused Land' and the Global Land Rush: State-Building and Discourses of Marginality in Contemporary Ethiopia.*  
**4:20** Madeleine Fairbairn, PhD\*, Goucher College, *Preaching to acquire: Negotiating the materiality and morality of farmland investment.*  
 Discussant(s): Wendy Wolford, Cornell University

**2533. History of Geography Specialty Group Plenary: Place, Presentism and Ignorance in the History of Geography (Sponsored by History of Geography Specialty Group)**

- Room:** Gold Coast, Hyatt, West Tower, Bronze Level (Panel Session)  
 ORGANIZER(S): Guntram Herb, Middlebury College  
 CHAIR(S): Guntram Herb, Middlebury College  
 Discussant(s): Dorothy Sack, Ohio University; JoAnn (Jodi) C. Vender, Pennsylvania State Univ; Matthew LaFevor, National Socio-Environmental Synthesis Center (SESYNC); Guntram Herb, Middlebury College  
 Panelist: Anne Godlewska

**2535. Emerging Scholars in Ethnic Geography II (Sponsored by Graduate Student Affinity Group, Ethnic Geography Specialty Group)**

- Room:** Picasso, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Graciela Sandoval; Wan Yu, Arizona State University  
 CHAIR(S): Adam Bledsoe  
**3:20** Stephen Thomson\*, *Hmong-Americans in Wisconsin's Fox Valley.*  
**3:40** Christopher M. Neubert\*, University of North Carolina - Chapel Hill, *Intersections of Labor, Citizenship, Gender and Ethnicity in Sri Lanka's Tea Plantations.*  
**4:00** Su-Jeong Kim\*, *Global Socio-Economic Networks and Spatiality of Jobber Market, L.A..*  
**4:20** Adam Bledsoe\*, University of North Carolina at Chapel Hill, *Brazilian Quilombos and the geographical effects of changing signification.*

**2536. Extending GIS for the Humanities (Sponsored by GeoHumanities Theme, Historical Geography Specialty Group)**

- Room:** Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Karl Grossner, Stanford University



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CHAIR(S): Ian N. Gregory, Lancaster University

**3:20** Robert Lee\*, University of California - Berkeley, *Where did uncontested Indian country lie? An historical suitability analysis.*

**3:40** Karl Grossner\*, Stanford University; Carsten Keßler, Hunter College, CUNY, *Joining Place and Period in Settings.*

**4:00** Carsten Kessler\*, Center for Advanced Research of Spatial Information? and Department of Geography? Hunter College, City University of New Yo; Carson Farmer, Center for Advanced Research of Spatial Information? and Department of Geography? Hunter College, City University of New Yo, *Exploring Artifacts via ?Time Geography.*

**4:20** S. Wright Kennedy\*, Rice University; Amanda Li Chang, Rice University, *Challenges of a GeoHumanities Mapping Project: Team Management and Rectifying Roads in a Diachronic Atlas of Rio de Janeiro.*

**4:40** Christophe MIMEUR\*, TheMA Department of Geography - University of Burgundy (France), *A French Railway Network History : between HGIS, GeoHumanities and adjustment tools.*

### **2537. Hazards and Physical Geography**

**Room:** *Wrigley, Hyatt, West Tower, Bronze Level* (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ariel Weaver

**3:20** Kun Qin\*, Wuhan University; Chengkun Liu, Wuhan University; Yulong Wang, Wuhan University; Zhipeng Gui, Wuhan University; Junjun Yin, UIUC, *High Performance Spatiotemporal Clustering of Behavior Trajectories.*

**3:25** Chris Dahlman\*, University of Minnesota Duluth, *Helicopter Landing Zone Refinement Tool.*

**3:30** Sascha Henninger\*, University of Kaiserslautern, *Physical Geography, In 80 minutes around the world.*

**3:35** Mark L. Hildebrandt\*, Southern Illinois University Edwardsville, *Spatial Concentrations of VOCs in Southern Illinois During August of 2012.*

**3:40** Cathleen A Geiger, Dr., University of Delaware, Department of Geography; Tracy L. DeLiberty\*, University of Delaware, *On the Uncertainty of Sea Ice Isostasy.*

**3:45** Shitai Bao\*, South China Agricultural University; Changjoo Kim, University of Cincinnati; Wenping Ai, South China Agricultural University; Heyuan Zhang, Department of Science and Information Technology, Administration of Forestry and Gardening of Guangzhou Municipality, *Fuzzy optimization model for natural disaster hierarchical emergency dispatching and its application in forest fire suppression.*

**3:50** Gerrit Peters\*, University of Cologne, *Megaurban disaster response and limited statehood - The role of self-organization in disaster response and resilience building.*

**3:55** Deanna Apps\*, Department of Geography, Michigan State University; Carmen Scruggs, Michigan State University; Gillian Gelinas, Michigan State University; Lifeng Luo, Department of Geography, Michigan State University, *Public Perception of weather information through an online survey.*

**4:00** Gregory S. Bohr\*, California Polytechnic State University, San Luis Obispo, *Trends and Variability of Snowpack in the Sierra Nevada, CA, from Snow Pillow Observations.*

**4:05** Ethan Forauer\*, Clark University, *Temperature Analysis of the Winter of 2013-2014.*

**4:10** Ariel Elizabeth Weaver\*, University of Louisville; Andrea E Gaughan, University of Louisville; Caroline G Staub, University of Florida; Peter R Waylen, University of Florida; Andrew Hoell, University of California, Santa Barbara, *Inter- and Intra-annual precipitation*

*variability and associated relationships to ENSO and the IOD in southern Africa.*

### **2538. Remote Sensing, Spatial Analysis, and Modeling of Vector-borne and Zoonotic Diseases II (Sponsored by Geographic Information Science and Systems Specialty Group, International Geospatial Health Research Network, Remote Sensing Specialty Group, Health and Medical Geography Specialty Group)**

**Room:** *Acapulco, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Dale A. Quattrochi, NASA MSFC; Cory Morin, NASA Marshall Space Flight Center

CHAIR(S): Cory Morin, NASA Marshall Space Flight Center

**3:20** Alassane Barro, MSc.\*, University of Florida, *Redefining the Australian Anthrax Belt: modeling the ecological niche and predicting the geographic distribution of Bacillus anthracis down under.*

**3:40** Lillian R. Morris, MS\*, University of Florida; Kelly M. Proffitt, PhD, Montana department of Fish Wildlife and Parks; Valpa Asher, Turner Enterprises, Inc., Bozeman, MT; Jason K. Blackburn, PhD, University of Florida, *Modeling anthrax risk in bull elk, Cervus elaphus, using summer resource selection.*

**4:00** Einar L Holm, prof\*, Umeå University; Henrik Eriksson, prof, Linköping University; Toomas Timpka, prof, Linköping University, *Workplace Social Mixing During Influenza Outbreaks: A Modeling Study of Virus Transmission.*

**4:20** Michael Harrison, Ph.D.\*, Independent scholar; Christine Hardwick, Eli Lilly and Company, *Examining the Spatial Associations between Rabies and ENSO in Texas.*

**4:40** Dale A. Quattrochi, Ph.D.\*, NASA MSFC; Cory Morin, Ph.D., NASA/MSFC, *Municipality Level Simulations of Dengue Fever Incidence in Puerto Rico Using Ground Based and Remotely Sensed Climate Data.*

### **2539. Mobility, Health, and the City II: Access to food and healthcare (Sponsored by International Geospatial Health Research Network, Health and Medical Geography Specialty Group)**

**Room:** *Atlanta, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Jerry Shannon, University of Georgia; Michael J. Widener, University of Cincinnati

CHAIR(S): Jerry Shannon, University of Georgia

**3:20** Jennifer Alford-Teaster\*, Geisel School of Medicine - Dartmouth College; Jane M Lange, PhD, Group Health Research Institute, Seattle, WA; Rebecca A Hubbard, PhD, Department of Biostatistics & Epidemiology, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA; Christoph I Lee, MD, MSHS, Department of Radiology, University of Washington School of Medicine, Seattle, WA; Department of Health Services, University of Washington School of Public Health, Seattle, WA; Jennifer S Haas, MD, MSc, Division of General Internal Medicine and Primary Care, Brigham and Women's Hospital, Boston, MA; Xun Shi, PhD, The Geography Department, Dartmouth College, Hanover, NH; Louise Henderson, PhD, Department of Radiology, The University of North Carolina, Chapel Hill, NC; Deirdre Hill, PhD, University of New Mexico, Albuquerque, NM; Anna N.A. Tosteson, ScD, The Dartmouth Institute for Health Policy and Clinical Practice, Geisel School of Medicine at Dartmouth, Lebanon, NH; Tracy L Onega, PhD, Geisel School of Medicine at Dartmouth, *Estimating travel time to breast imaging facilities: is the closest facility actually the facility used by women?.*

**3:40** Léa Ravensbergen, MA Candidate, B.Sc.\*, University of Toronto; Ron Buliung, PhD, University of Toronto; Kathi Wilson, PhD, University of Toronto; Guy

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Faulkner, PhD, University of Toronto, *Socioeconomic Disparities in Children's Accessibility to Food Environments: An Activity Space Analysis*.

**4:00** Michael J Widener, PhD\*, University of Cincinnati; Steven Farber, PhD, University of Toronto - Scarborough; Tijs Neutens, PhD, Ghent University; Mark W Horner, PhD, Florida State University, *Spatiotemporal accessibility to supermarkets using public transit: an interaction potential approach in Cincinnati, Ohio*.

**4:20** Jason Gilliland, PhD\*, University of Western Ontario; Richard Casey Sadler, PhD, Michigan State University; Andrew Clark, PhD, University of Western Ontario; Colleen O'Connor, PhD, Brescia University College; Malgorzata Milczarek, MA, University of Western Ontario; Sean Doherty, PhD, Wilfrid Laurier University, *The Development of SmartAPPetite as a Spatio-Temporally Targeted Educational Tool to Promote Healthy Dietary Behaviors and Local Food Consumption*.

**4:40** Jerry Shannon\*, University of Georgia, *Mapping pathways to food sources using transportation diaries in Minneapolis/St. Paul, Minnesota*.

**2540. The Ecosystem Approach: A new tool for Urban Development?**

*Room:* Hong Kong, Hyatt, West Tower, Gold Level (Panel Session)  
ORGANIZER(S): Sarah Bradshaw, Middlesex University; Meri Juntti, Middlesex University  
CHAIR(S): Sarah Bradshaw, Middlesex University  
Panelists: Sarah Bradshaw, Middlesex University; Meri Juntti, Middlesex University; Heloisa S M Costa, UFMG; Nilo De Oliveria Nascimento, Federal University of Minas Gerais

**2541. Melinda Meade Memorial Disease Ecology Session 2 (Sponsored by International Geospatial Health Research Network, Health and Medical Geography Specialty Group)**

*Room:* New Orleans, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Margaret Carrel, University of Iowa; Elisabeth Dowling Root, University of Colorado, Boulder; Michael Emch, University of North Carolina at Chapel Hill  
CHAIR(S): Elisabeth Dowling Root, University of Colorado, Boulder

**3:20** Michael Emch\*, University of North Carolina at Chapel Hill, *Incorporating geographic context into randomized controlled cholera and malaria vaccine trials*.

**3:40** Margaret Carrel\*, University of Iowa; Patrick J Bitterman, University of Iowa, *White and wealthy equals vaccines aren't healthy?: Ecologies of Personal Belief Exemptions for childhood immunizations among California kindergartners*.

**4:00** Amanda V Weber\*, Oklahoma State University; Elizabeth Armstrong, Oklahoma State University, *The Effects of Misdiagnosis during the Bubonic Plague: A past and present consideration of Quarantine in a Global Community*.

**4:20** Mark Janko\*, Biostatistics and Geography, CPC, MEASURE Evaluation, UNC-Chapel Hill; John Spencer, CPC, MEASURE Evaluation, UNC-Chapel Hill; Mike Emch, Geography and Epidemiology, CPC, UNC-Chapel Hill, *Incorporating both space and place in medical geography using Bayesian hierarchical spatial modeling*.

**2542. Regional Studies Annual Lecture - Ron Boschma**

*Room:* Regency A, Hyatt, West Tower, Gold Level (Panel Session)  
ORGANIZER(S): Sally Hardy, Regional Studies Association  
CHAIR(S): Arnoud Lagendijk, Radboud University Nijmegen  
Discussant(s): Dieter Franz Kogler, University College Dublin  
Panelists: Ron Boschma, Utrecht University

**2543. Utilizing Citizen Science for Supporting Geospatial Applications**

*Room:* Regency B, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Kai Liu  
CHAIR(S): Kai Liu

**3:20** Kai Liu\*, George Mason University, *Utilizing Volunteer Computing and Virtualization Technology for Climate Simulation*.

**3:40** Trisalyn Nelson\*, University of Victoria; Taylor Denouden, UVic Spar Lab; Ben Jestico, UVic Spar Lab; Karen Laberee, MSc, UVic Spar Lab, *BikeMaps: a citizen science web-map for cycling safety*.

**4:00** Toshikazu Seto\*, The University of Tokyo; Taichi Furuhashi, The University of Tokyo; Yuichiro Nishimura, Nara Women's University, *From Crisis to Resilient Mapping by the Volunteered Citizens through OpenStreetMap: The Case of Japanese Hazards*.

**4:20** Qunying Huang\*, University of Wisconsin - Madison - Madison, WI; Zidong Zhang, University of Wisconsin - Madison; Guido Cervone, Pennsylvania State University, *Leverage VGI for Real-time Vehicle Routing*.

**4:40** Jeremy Stratman\*, *Comparing OpenStreetMap User Contributions in the United States and Europe*.

**2545. Changing landscapes and ecosystem services in western China (Sponsored by China Specialty Group, Landscape Specialty Group, Water Resources Specialty Group)**

*Room:* Regency D, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Chansheng He, Western Michigan University  
CHAIR(S): Chansheng He, Western Michigan University  
**3:20** Xiubin He\*, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, *Watershed Erosion-sedimentation in Response to Landscape Changes in the Upper Yangtze River Basin*.

**3:40** Gregory Veeck\*, Western Michigan University; Charles Emerson, Western Michigan University; Zhou Li, Director, Rural Development Institute, Chinese Academy of Social Sciences; Fawen Yu, Rural Development Institute, Chinese Academy of Social Sciences, *Changing Livestock Production Systems and Grassland Conditions in Central Gansu Province*.

**4:00** Lanhui Zhang\*, Chansheng He, *Coupled regional climate and hydrological modeling system and its application in the upper reach of the Heihe River Watershed, Northwest China*.

**4:20** Bojie Fu\*, Research Centre for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, 100085, China, *Linking land use change, ecological process and ecosystem services*.

**4:40** Chansheng He, Dr. \*, Western Michigan University; Lanhui Zhang, Dr., Key Laboratory of West China's Environmental System (Ministry of Education), Lanzhou University; Xin JIN, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University, Lanzhou, 730000, China; Xifeng Zhang, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University, Lanzhou, 730000, China; Jie Tian, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University, Lanzhou, 730000, China; Chen Zhao, Key Laboratory of West China's Environmental System (Ministry of Education) Lanzhou University, Lanzhou, 730000, China, *Effects of Soil Heterogeneity on Hydrological Processes in a Mountainous Watershed, Northwest China*.

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ORGANIZER(S): Michael Minn, University of Illinois

CHAIR(S): Michael Minn, University of Illinois

**3:20** Becca Carolyn Castleberry\*, University of Oklahoma, *Energy Conservation within Oklahoma's Public Schools.***3:40** Johanna Liljenfeldt\*, Umeå University, *Legitimacy and Efficiency in Planning Processes - (How) does Wind Power Change the Situation?***4:00** Balázs Forman\*, Corvinus University of Budapest, *Centralized State - Centralized Energy? Comparative Studies of Austria and Hungary.***4:20** Jarmo Kortelainen\*, University of Eastern Finland, *Spatial design of mobile policy.***4:40** Alex Lyakhov\*, *Examining the Potential for the Formation of Renewable Energy Industry and Environmental Nonprofit Partnerships.***2547. Land Change Modeling I: Concepts and Methods (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)***Room: Toronto, Hyatt, West Tower, Gold Level (Paper Session)*

ORGANIZER(S): Ting Liu, Northeastern Illinois University; Xiaojun Yang, Florida State University

CHAIR(S): Ting Liu, Northeastern Illinois University

**3:20** Deana D. Pennington, Ph.D\*, University of Texas at El Paso, *Conceptualizing Complex Land Change Systems using Model-Based Reasoning.***3:40** Jordan W. Smith, Ph.D, North Carolina State University; Ross K. Meentemeyer, Ph.D, North Carolina State University; Lindsey S. Smart\*, North Carolina State University; Georgina Sanchez\*, North Carolina State University, *Methodological and Analytical Frontiers for Agent-based Models of Spatially Dynamic Landscape-Scale Processes.***4:00** Oh Seok Kim\*, Korea Environment Institute; SoEun Ahn, Korea Environment Institute; Jeong Ho Yoon, Korea Environment Institute, *An Integrated Framework of Land-Change Modeling to Support Climate Change Adaptation Policy.***4:20** Opeyemi A. Zubair\*, University of Missouri-Kansas City; Wei Ji, University of Missouri-Kansas City, *Quantifying the Impact of Modeling Methods on the Accuracy of Land Change Prediction.***4:40** Rong Fang\*, *Error analysis of lidar-based tree aboveground biomass models: effects of forest stand's heterogeneities and tree allometry.***2551. High Latitude Environments in a Changing Climate (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group)***Room: Stetson A, Hyatt, West Tower, Purple Level (Paper Session)*

ORGANIZER(S): Vena W. Chu, UCLA

CHAIR(S): Samiah Moustafa, Rutgers University

**3:20** Dagmar Budikova, Professor\*, Illinois State University, *Arctic Sea Ice and Extreme Temperatures in US and Canada.***3:40** Thomas Ballinger\*, Kent State University; Scott Sheridan, Kent State University, *Synoptic types linked to western Arctic sea ice freeze-up persistence.***4:00** Gina Henderson, PhD\*, U.S. Naval Academy; Bradford B Barrett, PhD, U.S. Naval Academy, *Quantifying the impact of the Madden-Julian Oscillation on the state of the Arctic.***4:20** Dmitry A. Streletskiy\*, George Washington University, Washington DC, USA; Thomas Opel, Alfred Wegener Institute, Bremerhaven, Germany; Nikita I. Tananaev, Permafrost Institute, Igarka, Russia; Irina D. Streletskaia, Moscow State University, Moscow,Russia; Igor V. Tokarev, Saint-Petersburg State University, Saint-Petersburg, Russia; Kelsey E. Nyland, George Washington University, Washington DC, USA; Nikolay I. Shiklomanov, George Washington University, Washington DC, USA; Alexandr I. Shiklomanov, University of New Hampshire, Durham NH, USA, *Hydrology of Small Siberian Rivers in Changing Climatic Conditions.***4:40** Asa Rennermalm\*, Rutgers, The State University of New Jersey; Laurence C Smith, University of California Los Angeles; Vena Chu, University of California Los Angeles; Samiah Moustafa, Rutgers University; Lincoln Pitcher, University of California Los Angeles; Colin Gleason, University of California Los Angeles, *Greenland ice sheet meltwater export from land terminating glacier, 2008 - 2014.***2552. Tourism on the Move (Sponsored by Recreation, Tourism, and Sport Specialty Group)***Room: Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)*

ORGANIZER(S): Patrick Brouder, Brock University &amp; Mid Sweden University

CHAIR(S): Stephanie Verkoeyen, University of Waterloo

**3:20** Frank Babinger\*, Universidad Complutense de Madrid, *Cruise ship tourism and local development in Yucatan (Mexico).***3:40** Anton Gosar\*, University of Primorska; Anton Gosar, University of Primorska, *The impact of the cruise ship industry in the Adriatic Mediterranean.***4:00** Zhanqiang Zhu\*, Sun Yat-sen University, *Exploring tourism image of Guangzhou urban greenway.***4:20** Gwendal SIMON\*, Université Paris Est Marne la Vallée; Anne Aguilera, Université Paris Est Marne la Vallée; Laurent TerraL\*, Université Paris Est Marne la Vallée, *Leisure parks and travel behaviour of tourists. The case of Disneyland Paris, France.***4:40** Stephanie Verkoeyen\*, University of Waterloo, *Tourism 2.0: The challenges and opportunities of user generated content.***2553. Looking Backwards and Forwards in Participatory GIS: Session II (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)***Room: Stetson D, Hyatt, West Tower, Purple Level (Panel Session)*

ORGANIZER(S): Bandana Kar, University of Southern Mississippi; Rina Ghose, University of Wisconsin Milwaukee

CHAIR(S): Bandana Kar, University of Southern Mississippi  
Panelists: Renee Sieber, McGill University; Nancy J. Obermeyer, Indiana State Univ; Muki Haklay, University College London; Melinda J. Laituri, Colorado State University**2554. Nordic Environments/Nordic Spaces/Nordic Places I (Sponsored by Polar Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)***Room: Stetson E, Hyatt, West Tower, Purple Level (Paper Session)*

ORGANIZER(S): C. Patrick Heidkamp, Southern Connecticut State University; Karl Benediktsson, University of Iceland

CHAIR(S): C. Patrick Heidkamp, Southern Connecticut State University

**3:20** Matthew G. McKay\*, University of Florida; Matthew G McKay, MS, University of Florida, *Nature as a Social Construction: Tourists' Perspectives of "Nature" in the Nordic Realm.***3:40** Jordan P Howell\*, Rowan University, *Towards an Affective Geopolitics: Soft Power and the Danish Notion of "Hygge".***4:00** Karl Benediktsson\*, University of Iceland, *Being At Sea: Trawler Fishing and the Experience of Fluid Nature.*

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- 4:20** Jerilynn "M" Jackson\*, University of Oregon, *Glacier Loss and Identity in Iceland*.
- 4:40** Vanessa Morgan Young\*, Southern Connecticut State University; C. Patrick Heidkamp, Southern Connecticut State University, *Gender and the Changing Economic Landscape of Seyðisfjörður, Iceland*.
- 2555. Legal Geographies 7: Methods in Legal Geography**  
**Room:** Stetson F, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Sarah A. Moore, University of Wisconsin - Madison; Margo Kleinfeld, University of Wisconsin - Whitewater  
 CHAIR(S): Margo Kleinfeld, University of Wisconsin - Whitewater
- 3:20** Smita Ghosh\*, University of Pennsylvania, *"Losing our Borders": Mapping Immigration Detention during the Refugee Crises of the 1970s and '80s*.
- 3:40** Margo Kleinfeld\*, University of Wisconsin - Whitewater, *Spatial narratives and practices in the archive: examining the customary basis of International Humanitarian Law*.
- 4:00** Sarah A. Moore\*, University of Wisconsin - Madison, *Tracking Trans-national Hazardous Waste Trading: Methodological Problems and Partial Solutions*.
- 4:20** Nick Gill\*, Exeter University; Andrew Burridge, Exeter University, *A Legal Lottery? Methodological Reflections on a Multi-Sited Ethnography and Survey of British Asylum Appeal Courts*.
- Discussant(s): Josephine Gillespie, The University of Sydney, Australia; John Carr, University of New Mexico
- 2556. Articulating discourse analysis in geography: method, practice and process I (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group)**  
**Room:** Stetson G, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Chad Newbrough Steacy, University of Georgia; Christian Pettersen  
 CHAIR(S): Christian Pettersen  
 Introducer: Chad Newbrough Steacy  
 Introducer: Christian Pettersen
- 3:40** Elaine Burroughs, BA, MA, PhD\*, National University of Ireland (Maynooth University), *Discursive and Visual Representations of Migration Online*.
- 4:00** Nathalie Christmann\*, University of Luxembourg, *Residential mobility in cross-border regions - an inter-urban discourse analysis*.
- 4:20** Stephen Boatright\*, CUNY Graduate Center, *Discourse, Affect, and the Home Buying Process*.
- Discussant(s): Lawrence D. Berg, University of British Columbia
- 2557. Geographies of Media IX: Spatial Power of Media**  
**Room:** Addams, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Torsten Wissmann, Institute of Geography, University Mainz; Joseph Palis, North Carolina State University  
 CHAIR(S): Torsten Wissmann, Institute of Geography, University Mainz
- 3:20** Graeme W. Mearns\*, Newcastle University, UK, *Mapping transnational conversations about the International Day Against Homophobia and Transphobia (IDAHOT) using 'big' geospatial data*.
- 3:40** Peta Mitchell, Dr\*, Queensland University of Technology, *The city disrupted: Mapping the G20 via social media*.
- 4:00** Ruari Shaw Sutherland\*, University of Edinburgh, *Going Viral: Moral Panics About Ebola in a White Supremacist Webpace*.
- 4:20** Paul Reuber\*, Muenster University, Department of Geography, *Cold War 2.0?! Geopolitical framings of the Ukraine conflict 2014 in German print media*.
- 4:40** Darren Purcell\*, University of Oklahoma; Connor Keef, University of Oklahoma, *Representing China through Late-Night Huor*.
- 2558. Work, Crisis, Apocalypse?: The Power and Promise of Autonomist Marxism in North America**  
**Room:** Burnham, Hyatt, West Tower, Silver Level (Panel Session)  
 ORGANIZER(S): Kevin E. Van Meter, University of Minnesota; Stevie Larson, University of North Carolina - Chapel Hill  
 CHAIR(S): Kevin E. Van Meter, University of Minnesota  
 Panelists: Kevin E. Van Meter, University of Minnesota; Stevie Larson, University of North Carolina - Chapel Hill; Joshua Eichen; Gary Kinsman, Laurentian University; Brian Marks, Louisiana State University
- 2559. Jeanne X. Kasperson Award Winners from the Hazards, Risks, & Disasters Specialty Group II (Sponsored by Hazards, Risks, and Disasters Specialty Group)**  
**Room:** Dusable, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Timothy W. Collins, University of Texas - El Paso  
 CHAIR(S): Timothy W. Collins, University of Texas - El Paso
- 3:20** Ryan Patrick Hile\*, University of Utah; Thomas J Cova, Ph.D., University of Utah, *Thinking Inside the Black Box: Enhancing the Social Vulnerability Index with Artificial Neural Networks*.
- 3:40** Stephanie Hoekstra\*, East Carolina University, *Influences on official decision making during Superstorm Sandy*.
- 4:00** Nicole Suzanne Hutton\*, University of South Florida, *Post-Disaster Roles of the Third Sector in Family and Reproductive Health: Christchurch, New Zealand*.
- 4:20** Dapeng Li\*, Department of Geography, University of Utah; Thomas J. Cova, Department of Geography, University of Utah; Philip E. Dennison, Department of Geography, University of Utah, *Setting Wildfire Evacuation Triggers by Coupling Traffic Simulation, Trigger Modeling, and Reverse Geocoding*.
- Discussant(s): Laura Kathryn Siebeneck, University of North Texas
- 2560. The Politics and Anti-Politics of Adaptation to Climate Change II (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Development Geographies Specialty Group)**  
**Room:** Field, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Thomas Smucker, Ohio University; Ben Wisner, Independent Scholar  
 CHAIR(S): Thomas Smucker, Ohio University
- 3:20** Andrei Marin\*, Norwegian University of Life Sciences; Batbuyan Batjav, Mongolian Academy of Sciences, *The 'social life' of the pastureland law and the politics of climate change adaptation in Mongolia*.
- 3:40** Leigh Johnson\*, University of Zurich, *Resisting and Repurposing Risk? The political lives of index insurance as climate adaptation*.
- 4:00** Denis Gautier\*, CIRAD and CIFOR, Burkina Faso; Houria Djoudi, CIFOR; Bruno Locatelli, CIRAD and CIFOR, Peru; Mathurin Zida, CIFOR, Burkina, *Forest co-management policy and transformational adaptation in Burkina Faso*.
- 4:20** Kwame Ntiri Owusu-Daaku\*, Department of Geography-University of South Carolina, *Dissonance and Convergence: A Comparative Discourse Analysis of Climate Change Vulnerability in Ghana's Volta River Delta*.
- 4:40** Henry Anton Peller\*, The Ohio State University - Columbus, OH, *A political ecology of agroforestry in the Artibonite*.
- 2561. Agrarian Development in Africa II: Capital Flows, Peasant Struggles, and Environmental Change (Sponsored by Rural Geography Specialty Group, Africa Specialty Group,**

**WEDNESDAY, APRIL 22 • 3:20 PM - 5:00 PM • 2500****Geographies of Food and Agriculture Specialty Group)**

*Room:* Horner, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Pratyusha Basu, University of Texas at El Paso  
 CHAIR(S): Pratyusha Basu, University of Texas at El Paso

**3:20** Karen Rousseau\*, CIRAD; Denis Gautier, CIRAD,  
*Political ecology of the shea tree and its impacts on the local diet in Burkina Faso.*

**3:40** Everisto Mapedza\*, International Water Management Institute (IWMI), *Understanding the gendered tenurial niches in the informal irrigation in the Kandeu area of Malawi.*

**4:00** Shiloh Sundstrom\*, Oregon State University, *Without our livestock, we are nothing: Land, cultural identity, and remaining "people of cattle" amid change in Kenya's Maasailand.*

**4:20** William M Collier, MESC\*, Clark University, *Governing A Forest-Agriculture Mosaic In Kenya's Mau Forests Complex.*

**4:40** Franklin C. Graham IV, Ph.D.\*, Intermountain Herbarium, *Development over Biodiversity: Post-conflict development and its threat to conservation efforts in Somaliland.*

**2562. PREM: Militarism and Humanitarianism 3 (Sponsored by Political Geography Specialty Group)**

*Room:* McCormick, Hyatt, West Tower, Silver Level (Panel Session)  
 ORGANIZER(S): Emily Gilbert, University of Toronto; Killian McCormack, University of Toronto  
 CHAIR(S): Emily Gilbert, University of Toronto  
 Panelists: Gerry Kearns, Maynooth University; Wesley Llewellyn Attewell, The University of British Columbia; Killian McCormack, University of Toronto; Emily Gilbert, University of Toronto

**2563. The Construction of Low-Carbon Value I: The Politics of Governing LCV (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)**

*Room:* Ogden, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Jia Ching Chen, Brown University; Abigail Martin  
 CHAIR(S): Abigail Martin  
**3:20** Abigail Martin, PhD Candidate\*, University of California, Berkeley, *Counting Carbon for Ethanol Sustainability Standards.*

**3:40** Hanna Breetz, Ph.D.\*, University of California, Berkeley, *Think Global, Regulate Local? Accounting for Indirect Land Use Change (ILUC) in Biofuel Governance.*

**4:00** Barbara K Haya\*, Stanford University; Aaron Strong, Stanford University; Emily Grubert, Stanford University; Robert Heilmayr, Stanford University; Danny Cullenward, Stanford University, *Market mechanism or regulation? The regulatory oversight needed to run California's carbon offset program.*

**4:20** Susanne Freidberg\*, Dartmouth College, *Big Food and Little Data: Contending with Carbon on the Farm.*

Discussant(s): Tracey Osborne, University of Arizona

**2565. Feminist Geophilosophy (3) (Sponsored by GeoHumanities Theme, Cultural Geography Specialty Group)**

*Room:* Michigan A, Hyatt, East Tower, Ped Path (Paper Session)  
 ORGANIZER(S): Angela Last, University of Glasgow; Kathryn Yusoff, Queen Mary University of London  
 CHAIR(S): Jessica Lehman, University of Minnesota - Minneapolis

**3:20** Yvette Granata, PhD Student\*, SUNY Buffalo, Department of Media Study, *Disturbed Plant-Thinking: A Feminist Field Guide to Wild Urban Plant-Thought.*

**3:40** Bogna M. Konior\*, Hong Kong Baptist University - Kowloon, *The necessity of redefining personhood: shamanic geophilosophies.*

**4:00** Fuad Ali, PhD\*, University of Greenwich, *Decolonising Climate Change from afar: The Duriana Climate*

*Summit Delegation.*

**4:20** Emma Gaalaas Mullaney\*, The Pennsylvania State University, *Maiz, Desmadre: Social Difference, Biodiversity, and the Creolization of the Anthropocene.*

**4:40** Lauren A. Rickards, Dr\*, RMIT University, *Gendering the geo: who is speaking?.*

**2566. The Financialization of City-making: Articulating critical perspectives (4)**

*Room:* Michigan B, Hyatt, East Tower, Ped Path (Paper Session)  
 ORGANIZER(S): Antoine Guironnet, LATTs, Université Paris-Est; Ludovic Halbert, University Paris-Est, Latts  
 CHAIR(S): Félix Addison, Université Paris-Est

**3:20** Antoine Guironnet, PhD Candidate\*, LATTs, Paris-Est University; Ludovic Halbert, CNRS Research fellow\*, LATTs, Paris-Est University, *Yield urbanism. How financial investors (re)shape large-scale Urban Development Projects.*

**3:40** Nelson Vera Büchel, PhD candidate\*, University of Neuchâtel; Thierry Theurillat, Senior Fellow, University of Neuchâtel; Olivier Crevoisier, Professor, University of Neuchâtel, *Urban Projects in Switzerland: "A New Valuation of Urban and Real Estate Rent".*

**4:00** Matthias Bernt\*, Leibniz Institute for Regional Development and Structural Planning, *Financialisation, shrinkage and state restructuring in East Germany.*

**4:20** Michael R. Glass\*, University of Pittsburgh; Lisa M Morrison, United Nations; Rachael M Woldoff, West Virginia University, *Mobilizing community amidst policy assemblages in New York's Stuyvesant Town.*

Discussant(s): Rachel Weber, University of Illinois At Chicago

**2567. The remaking of the imaginative geographies of Iran since the 1979 Revolution I: Spatial reconfigurations in post-revolution Iran (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Middle East Specialty Group)**

*Room:* Michigan C, Hyatt, East Tower, Ped Path (Paper Session)  
 ORGANIZER(S): Mohammad Eskandari; Kaveh Ehsani, DePaul University

CHAIR(S): Mohammad Eskandari  
 Introducer: Mohammad Eskandari

**3:25** Norma Claire Moruzzi, Ph.D.\*, University of Illinois at Chicago, *Three Generations of Domestic Space: Regimes of Household Architecture, Social Relations, and State Organization in Twentieth Century Iran.*

**3:45** Azam Khatam\*, York University; Azam Khatam, York University, *Spatiality of Discontent in Tehran's 'Revolution Street', Two Historical Snapshots.*

**4:05** Kevan Harris\*, Princeton University, *All the Sepah's Men: Iran's Revolutionary Guards in Theory and Practice.*

**4:25** Kaveh Ehsani\*, DePaul University, *The Cultural Politics of Public Space in Post-Revolution Iran: The Changing Fortunes of Tehran's International Book Fair.*

Discussant(s): Arang Keshavarzian

**2568. Geographic Perspectives on Urban Sustainability (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)**

*Room:* Roosevelt, Hyatt, East Tower, Ped Path (Panel Session)  
 ORGANIZER(S): V. Kelly Turner, Kent State University; David H. Kaplan, Kent State University

CHAIR(S): V. Kelly Turner, Kent State University

Introducer: V. Kelly Turner

Introducer: David H. Kaplan

Discussant(s): Stephanie Pincetl, UCLA

Panelists: Selima Sultana, University of North Carolina-Greensboro; Joshua P. Newell, University of Michigan;

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Innisfree Mckinnon, University of Oregon; Thaddeus Miller, Portland State University

- 2569. Megacities and Disaster Response (Sponsored by Military Geography Specialty Group)**  
*Room:* Randolph, Hyatt, East Tower, Ped Path (Paper Session)  
 ORGANIZER(S): Douglas Batson, U.S. Board on Geographic Names  
 CHAIR(S): Douglas Batson, U.S. Board on Geographic Names  
**3:20** Heather Ward\*, USACE Engineering Research and Development Center, Geospatial Research Laboratory, *Military Operations in Coastal Megacities: Unique Vulnerabilities and Resiliencies.*  
**3:40** Wiley C. Thompson\*, West Point, *Mega-Problems? Responding to Disasters in Large Urban Environments.*  
**4:00** Douglas Batson\*, U.S. Board on Geographic Names, *Megacities: Promise and Peril.*  
**4:20** Brian L. Hagan\*, NGA, *Regional GEOINT Information Sharing.*  
**4:40** Phyllis Bussler\*, University of Cologne, Department of Economic and Social Geography, *Project based Urban Development in Rio de Janeiro: Processes of expulsion, spatial segregation and social exclusion in the context of the 2014 World Cup and the 2016 Olympic Games.*

- 2570. Human Geography Poster Session**  
*Room:* Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)  
 See pages 168-172.

- 2573. Perspectives of Geography through Space, Time, and Popular Culture: A Doctor Who Case Study**  
*Room:* Lucerne 1, Swissôtel, Lucerne Level (Panel Session)  
 ORGANIZER(S): Autumn C. James, Northern Illinois University; Shannon R. Mccarragher, Northern Illinois University; Elizabeth Ann Dykstra Huenecke  
 CHAIR(S): Mary Moses, Northern Illinois University  
 Introducer: Mary Moses  
 Panelists: Elizabeth Ann Dykstra Huenecke; Autumn C. James, Northern Illinois University; Shannon R. Mccarragher, Northern Illinois University; Hannah Gunderman, University of Tennessee, Knoxville; Stentor Benjamin Danielson, Slippery Rock University; Mark Alan Rhodes, Kent State University

- 2574. Spatiotemporal Symposium: Visualization II (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)**  
*Room:* Lucerne 2, Swissôtel, Lucerne Level (Paper Session)  
 ORGANIZER(S): Min Sun, George Mason University  
 CHAIR(S): Min Sun, George Mason University  
**3:20** Hyeongmo Koo\*, University of Texas At Dallas, *The Classification method for defining an interval at multiple maps in spatio-temporal data.*  
**3:40** Mathew D Bolt\*, ORISE, R, *Motion Charts, and GIS: Possible complimentary data visualization across spatiotemporal gradients? An environmental case study.*  
**4:00** Olof Olsson\*, Umeå University, *Mapping the spatiotemporal diffusion of electric vehicle consumers in Sweden.*  
**4:20** Somayeh Dodge\*, University of Colorado, Colorado Springs; Maike Buchin, Ruhr-Universität Bochum; Sean C Ahearn, Hunter College - CUNY, *Including Spatiotemporal Context in the Analysis and Visualization of Dynamic Processes.*

- 2575. Settler Colonialism and the City: Racialized Capitalism and the State (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group, Indigenous Peoples Specialty Group)**

- Room:* Lucerne 3, Swissôtel, Lucerne Level (Paper Session)  
 ORGANIZER(S): Daniela Aiello, Simon Fraser University; Jessica Hallenbeck, University of British Columbia; Natalie Knight  
 CHAIR(S): Glen Coulthard, University of British Columbia  
**3:20** Jessica Hallenbeck\*, University of British Columbia, *Gone Fishing : Indigenous Women's Labor and the Urbanization of Vancouver.*  
**3:40** Tina Grandinetti\*, University of Hawaii at Manoa, *Paradoxical Space: Capitalism and Settler Colonialism in Honolulu's Construction Boom.*  
**4:00** Natalie Knight\*, Simon Fraser University, *What is to be done in the settler colonial state? Perspectives from Red Marxisms.*  
**4:20** Carolyn Prouse\*, University of British Columbia, *Towards a Decolonial Urbanism Methodology.*  
 Discussant(s): Glen Coulthard, University of British Columbia

- 2576. Geographies of Indigenous-settler relations II: Solidarity and activism, or active opposition? (Sponsored by Indigenous Peoples Specialty Group)**

- Room:* Alpine 1, Swissôtel, Lucerne Level (Paper Session)  
 ORGANIZER(S): Vanessa Sloan Morgan; Heather E. Castleden, Queen's University; Monica Mulrennan, Concordia University  
 CHAIR(S): Vanessa Sloan Morgan  
**3:20** Stephanie Velednitsky\*, UC San Diego, *Transforming the Colony: Decolonial Processes and Outcomes in Melipona Bee Restoration.*  
**3:40** Jared Whear\*, University of Missouri, *Appropriating the Sacred through Environmental Activism: Indigenous-Settler Resistance to the Las Vegas Water Grab.*  
**4:00** Lauren Kepkiewicz\*, University of Toronto, *Indigenous-settler solidarity in Canadian Food Activism: Lessons for Settler Food Activists.*  
**4:20** Neil Nunn\*, University of Toronto, *A settler-scholar's reflections on waste, indigenous philosophy, and the limits of geographical thought.*  
**4:40** Nicole Latulippe\*, University of Toronto, *Fishing for Complement: Indigenous and Critical Perspectives in Lake Nipissing Fisheries Management.*

- 2577. 2nd Special Session Retail aspects in Urban Geography and Urban Planning II: Dynamics in retail location patterns (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)**

- Room:* Alpine 2, Swissôtel, Lucerne Level (Paper Session)  
 ORGANIZER(S): Herman Kok, Multi / ODTU  
 CHAIR(S): Herman Kok, Multi / ODTU  
 Introducer: Herman Kok  
**3:21** Herman Kok\*, Multi / METU; Pal Baross, Central European University, *Retail landscape dynamics in post socialist capital cities: the end or to be continued.*  
**3:38** Isil Erol\*, Assoc. Professor, *An Econometric Analysis of the Spatial Distribution of Organized Retail Space in Istanbul.*  
**3:55** Alexandra Appel, Dr\*, Julius-Maximilians-Universität Würzburg; Martin Franz, Prof. Dr., Universität Osnabrück, *Resistance, resilience or reworking - how middlemen are responding to transforming food-market structures in Turkey.*  
**4:12** Mathew Novak, PhD\*, Central Washington University, *Spatial and Functional Distribution of Retailing in the Seattle Metropolitan Area.*  
**4:29** Orit Rotem-Mindali\*, Bar Ilan University, *Between retail fragmentation and social exclusion: A complementary framework for analyzing retail location.*  
 Discussant(s): Murray Rice, University of North Texas

**WEDNESDAY, APRIL 22 • 3:20 PM - 5:00 PM • 2500****2578. Rural Geography Research in Africa (Sponsored by Rural Geography Specialty Group)**

**Room:** Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)  
 ORGANIZER(S): Dawn M. Drake, Missouri Western State University

CHAIR(S): Dawn M. Drake, Missouri Western State University

**3:20** Jerram Paul Bateman\*, University of Otago; Tony Binns, University of Otago; Etienne Nel, University of Otago, *A longitudinal case study of rural livelihoods in the Eastern Province of Sierra Leone.*

**3:40** Richard A. Mbih\*, University of Missouri-Kansas City; Steven L. Driever, University of Missouri-Kansas City, *The political ecology of agro-pastoralism in Northwest Cameroon.*

**4:00** Mohamed Babiker Ibrahim\*, Department of Geography, Hunter College - CUNY, *Mechanization and Poverty Reduction in the Sudan, Africa.*

**4:20** Daniel Sambu\*, University of Wisconsin -La Crosse, *Wildlife conservation and community water access conflicts in northern Kenya..*

**4:40** Fatoumata Binta Barry, Dual MA\*, Michigan State University, *The Oil Industry & Social Inequality: Understanding the Research Needs of Rural Communities in the Niger Delta Region of Nigeria.*

**2579. Developments in the Use of Electric Vehicles**

**Room:** St. Moritz, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Wei Tu, Shenzhen University

**3:20** Shakil Khan\*, University of Windsor; Hanna Maoh, University of Windsor, *A Stated Preference Discrete Choice Experiment for Business Fleet Managers: Assessing the Potential for Electric Vehicle (EV) Adoption.*

**3:40** Elnaz Haj Abotalebi\*, McMaster University; Pavlos Kanaroglou, McMaster University, *Demand Disparity for Electric Vehicles Across Canada.*

**4:00** Julia Jarass, Institute of Transport Research, German Aerospace Centre; Dirk Heinrichs, Prof. Dr.\*, Institute of Transport Research, German Aerospace Centre, *Electric Vehicles in Germany: Only an Urban 'Use Case'?*

**4:20** Wei Tu\*, 1402, Science and Technology Building, Shenzhen University No. 3688 Nanshan Avenue, Nanshan District, Shenzhen, Guangdong, P.R.China; Qinquan Li, 1402, Science and Technology Building, Shenzhen University No. 3688 Nanshan Avenue, Nanshan District, Shenzhen, Guangdong, P.R.China; Yang Yue, 1402, Science and Technology Building, Shenzhen University No. 3688 Nanshan Avenue, Nanshan District, Shenzhen, Guangdong, P.R.China; Baoding Zhou, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, Wuhan 430079, PR China, *Locating Electric Taxi Charging Stations using spatial-temporal trajectory data.*

**2580. People and Parklands**

**Room:** Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Paul Lorah, University of St Thomas

**3:20** Sadie Jane Ryan, PhD\*, University of Florida; Jane Southworth, PhD, University of Florida; Joel Hartter, University of Colorado Boulder; Rebecca K Fuda, SUNY ESF; Nicolas Dowhaniuk, University of New Hampshire; Jeremy E Diem, Georgia State University, *Household Level Influences on Fragmentation in an African Park Landscape.*

**3:40** Robert Greeley\*, University of South Carolina, *The Shouf Biosphere Reserve and Sport Hunting.*

**4:00** Yilmaz Ari\*, Balikesir Universitesi, *The failure of the bottom-up management practice in Turkey: Kula*

*Geopark.*

**4:20** Omar Imseeh Tesdell\*, Columbia University, *Nature reserves and the terrains of Palestinian cultivation.*

**4:40** Paul Lorah, Ph.D\*, University of St Thomas, *Creating a Wilderness Continuum to Assess Conservation Effectiveness.*

**2581. Remote Sensing, Spatial Analysis, and Geographic Education**

**Room:** Verbier, Swissôtel, Lucerne Level (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Patricia Carbajales, Clemson University

**3:20** Xiaojun You\*, East China Normal University, Tufts University; Zuoqi Chen, East China Normal University, Cincinnati University; Debin Du, East China Normal University, *On the Correlation between Innovation Performance and DMSP-OLS Nighttime Stable Lights: Evidence from the US.*

**3:25** Melissa Edie Ann Weese\*, Western University; Micha Pazner, Dr., The University of Western Ontario, *Spatial Multicriteria Retirement Location Modeling and Implications.*

**3:30** Sarah Kemp\*, University of Wisconsin - Madison, *Use of Geographic Analysis in School Demography.*

**3:35** Micha Pazner\*, The University of Western Ontario, *Toward a New Geography of Placer Gold Deposits.*

**3:40** Bo Shan, MSc\*, Western University; Micha Pazner, PhD, Western University, *Multivariate Geolcon Imagemaps and Region-of-Interest Charts.*

**3:45** Rama P. Mohapatra\*, Minnesota State University, Mankato; Peg Lawrence, Minnesota State University, Mankato; Lynne Weber, Minnesota State University, Mankato; Kayla L Wagner, Minnesota State University, Mankato, *Spatio-temporal Analysis of Space Usage of Memorial Library at Minnesota State University, Mankato.*

**3:50** Jeremy Sandifer, M.S. Candidate Applied Geography\*, University of Louisville, *Remotely-Sensed Heat: Variation and Change in Surface Urban Heat Islands in a Temperate Eco-region of the United States.*

**3:55** Christopher A. Ramezan\*, West Virginia University, *Interpolative Spatial Modeling of the Distribution of NO<sub>2</sub>, CO, and SO<sub>2</sub> Aerosols in Tehran, Iran.*

**4:00** Pariss Garramone\*, York University, *Steps to Environmental Education: Walking as critical pedagogy for environmental education.*

**4:05** Anya Z. Butt\*, Central College, *Teaching An Inconvenient Truth.*

**4:10** Mollie Jolyn Kenerson\*, Hobart and William Smith Colleges, *Understanding Student Perceptions of Sustainability in Higher Education.*

**4:15** Patricia Carbajales-Dale\*, Clemson University; W. Cardoen, University of Utah; S. Cleveland, University of Hawaii; G. Collier, Clemson University; M. Cuma, University of Utah; Robert M Freeman, Jr., Harvard University; A Kitzmiller, Harvard University; R. Merrill, University of Hawaii; K. Nomura, University of Southern California; L. Michael, University of Wisconsin, Madison; A. Orendt, University of Utah, *The ACI-REF program: Advancing Intensive Geospatial Research and Education.*

**2583. Displacement as a global urban strategy II: global fights**

**Room:** 200 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Guy Baeten

CHAIR(S): Johan Pries, Lund University

**3:20** Martine August, PhD\*, University of Toronto, *Resisting Displacement: Toronto Tenants Fight Gentrification by Predatory Landlords.*

**3:40** Karin Grundstrom\*, Urban Studies, Malmo University, *Coping strategies against spatial taint in a Costa Rican slum.*



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**4:00** Henrik Gutzon Larsen\*, Lund University; Anders Lund Hansen\*, Lund University, *Financialisation of the built environment: Housing in Copenhagen and Stockholm.*

**4:20** Irene Molina\*, Institute for Housing and Urban Research, Uppsala University; Sara Westin, Institute for Housing and Urban research, Uppsala university, *From 'state individualism' to neoliberal authoritarianism - Sweden viewed from the perspective of the (displaced) tenant.*

**4:40** Cathrine Brun\*, Norwegian University of Science and Technology, *Displacement on the Repeat: Housing for Internally Displaced on the Renting Market in Tbilisi, Georgia..*

**2584. Biofuels, Bioenergy, and the Emerging Bio-Economy IV: Transitions II (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**

*Room:* 203 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): Peter Kedron, Ryerson University; Kirby Calvert; Jennifer Baka, London School of Economics  
CHAIR(S): Sharmistha Bagchi-Sen, SUNY-Buffalo

**3:20** Warren Mabee\*, Queen's University; Jean Blair, Queen's University; Saeed Ghafghazi, University of British Columbia; Nathan Manion, Queen's University; Lauren Malo, Queen's University; Peter Milley, Queen's University; Jamie Stephen, Queen's University; Ashton Taylor, Queen's University, *Hewers of wood: Capturing value from Canada's investment in advanced biofuels.*

**3:40** Lars Coenen, CIRCLE, Lund University; Teis Hansen\*, Department of Human Geography and CIRCLE, Lund University, *Unpacking investor decisions in upscaling of biorefining technologies.*

**4:00** Ryan E. Baxter, Penn State University; Kirby Calvert, PhD\*, Penn State University, *Re-visiting 'abandoned' agricultural land in the US: new estimates, new notions.*

**4:20** Peter Kedron\*, Ryerson University, *Geographies of bioenergy from corn to high-tech biofuels.*

Discussant(s): Barry D. Solomon, Michigan Technological University

**2585. The Economy of Cities**

*Room:* 204 Classroom, University of Chicago Gleacher Center, 2nd Floor (Paper Session)

ORGANIZER(S): John Miron, University of Toronto

CHAIR(S): John Miron, University of Toronto

**3:20** Austin Zwick\*, University of Toronto, *The Persistence of Impoverished Neighborhoods in Rust Belt Cities.*

**3:40** Jean Dube\*, Université Laval; Mario Polese, INRS-UCS, *About the "random" growth of the cities: the case of 135 Canadian urban areas within 1971-2011.*

**4:00** John Miron\*, University of Toronto, *The State and the Economy of Cities.*

**2586. Speed-Dating with an NSF Program Officer (Opportunity 1 of 3) (Sponsored by AAG Jobs and Careers Theme)**

*Room:* 300 Classroom, University of Chicago Gleacher Center, 3rd Floor (Panel Session)

ORGANIZER(S): Thomas J. Baerwald, National Science Foundation

CHAIR(S): Thomas J. Baerwald, National Science Foundation

**2587. Fluvial Geomorphology 4: Spatial Heterogeneity in Rivers - Focus on Hydrology and Watershed Processes (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)**

*Room:* 303 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Lisa Davis, University of Alabama

CHAIR(S): Lisa Davis, University of Alabama

**3:20** L Allan James\*, University of South Carolina; Chen-

Ling Hung, University of South Carolina; Brett Sexton, AMEC, Inc.; John Wooten, HDR, Inc., *Flood Responses to Urbanization: Impervious Surface Areas and Storm Sewer Connectivity.*

**3:40** Zbigniew Jakub Grabowski\*, Portland State University; Eric Watson, Portland State University; Harvey Hembree, Portland State University; Heejun Chang, PhD, Portland State University, *Spatial Statistics and Physical Processes: examining the efficacy of spatial representations of landscape properties in predicting stream thermal characteristics.*

**4:00** Michael C Slattery, Ph.D.\*, Texas Christian University; Shannon Jones, MS, Texas Christian University, *Hydrologic Response of Hillslope Seeps And Headwater Streams of The Fort Worth Prairie.*

**4:20** Colin J. Gleason\*, University of California - Los Angeles, *At-many-stations Hydraulic Geometry (AMHG): Theoretical Developments and Relationships with Traditional Hydraulic Geometry.*

Discussant(s): Lisa Davis, University of Alabama

**2588. Making Other Worlds Possible IX: Urban Political-Economy 'From Below' 2 (Sponsored by Cultural Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* 304 Classroom, University of Chicago Gleacher Center, 3rd Floor (Paper Session)

ORGANIZER(S): Christian Anderson, University of Washington at Bothell; Amanda Huron, University of the District of Columbia

CHAIR(S): Maliha Safri, Drew University

**3:20** Myfanwy Taylor\*, University College London, *Taking Back London's Economy through Community Planning: Resources for Re-thinking and Re-making Urban Economies.*

**3:40** Melanie Samson\*, University of the Witwatersrand, *A Dump with a View - Insights into the Forging of Johannesburg's Urban Political Economy Gleaned from a Soweto Garbage Dump.*

**4:00** M Buckley\*, orUniversity of Toronto - Scarborough - Scarborough, Ontario; Anderson Bridget, University of Oxford; Emily Reid-Musson, University of Toronto, *Theorizing urbanization 'from below'? Migrant construction work and employment in Chiang Mai, Toronto and London.*

**4:20** Christian Anderson\*, University of Washington Bothell, *Wresting urban social reproduction from the 'big boys'.*

Introducer: Amanda Huron

**2589. Geographies of Activism and Protest IV: "Peripheral Vision" (Sponsored by Cultural Geography Specialty Group)**

*Room:* 306 Classroom, University of Chicago Gleacher Center, 3rd Floor (Panel Session)

ORGANIZER(S): Patricia Burke Wood, York University; Richard White, Sheffield Hallam University

CHAIR(S): Patricia Burke Wood, York University

Introducer: Patricia Burke Wood

Discussant(s): Donnacha O'Briain

**2590. Central American 'Crisis' Revisited 4 (Sponsored by Political Geography Specialty Group, Latin America Specialty Group, Development Geographies Specialty Group)**

*Room:* 406 Classroom, University of Chicago Gleacher Center, 4th Floor (Panel Session)

ORGANIZER(S): Zoe Pearson, Ohio State University; Kendra McSweeney, The Ohio State University; Brian Williams, The University of Georgia

CHAIR(S): Kendra McSweeney, The Ohio State University

Discussant(s): Sharlene L. Mollett, University of Toronto; Catherine L. Nolin, University of Northern British Columbia (UNBC)

Panelists: Jennifer J. Casolo, Universidad Rafael Landívar; Megan Ybarra, University of Washington; Mark Bonta,



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Penn State-Altoona; Mary Finley-Brook, University of Richmond; Joseph H. Bryan, Department of Geography, University of Colorado, Boulder; Adrienne Pine, American University

**2591. Flows, Spaces, and Relationalities: From Highways to Taco Trucks (Sponsored by Transportation Geography Specialty Group)**

*Room:* 422 Classroom, University of Chicago Gleacher Center, 4th Floor (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Gregg Culver, Ruprecht-Karls-Universität Heidelberg

**3:20** Aharon De Grassi\*, University of California, Berkeley, *Beyond Gatekeeping Spatial Metaphors of the State in Africa: Geographies of Transport Infrastructure Reconstruction in Post-War Oil-Boom Angola.*

**3:40** Charles Kwun Sau Chiu\*, University of Toronto, Department of Geography, *Mobility in the City - Dalian's Streetcar System: 1900s to Present.*

**4:00** Robert D Lemon, MLArc, MCRP, PhD\*, The University of Texas at Austin, *Food is Spatial: Tracing Taco Trucks in Columbus, Ohio.*

**4:20** Andrew Picard\*, University of Toronto, 'Copenhagenizing' with caution: Exploring international approaches to bicycle-oriented planning within North America..

**4:40** Gregg Culver\*, Ruprecht-Karls-Universität Heidelberg, *Vehicular violence and the bicycle helmet: an exploration of the cyclist-safety discourse in U.S. cities.*

**2592. Actually Existing Urban Shrinkage: The Uneven Geographies of Decline in Shrinking Cities (Sponsored by Regional Development and Planning Specialty Group)**

*Room:* 600a Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Jason Knight, SUNY Buffalo State; Russell C. Weaver, Texas State University

CHAIR(S): Jason Knight, SUNY Buffalo State

**3:20** Jason Knight, PhD, AICP\*, SUNY Buffalo State; Russell Weaver, PhD, Texas State University, *Using Tax Foreclosure Auction Results to Detect "Dead Zones" in Shrinking Cities.*

**3:40** Keith A. Bremer, PhD\*, Fort Hays State University, *Contagious Urban Depopulation: A case study in Detroit, Michigan.*

**4:00** Russell Weaver, PhD\*, Texas State University; Jason Knight, PhD, AICP, SUNY Buffalo State, *Cleaning House: Behavioral Responses to Public "Clean Sweep" Initiatives in a Distressed Urban Neighborhood.*

**4:20** Catherine Gillis\*, Loyola University - Chicago, *Vacant Land and Urban Restructuring: Land Use Practices in Detroit.*

**4:40** Ziyang Jiang\*, Miami University, *The spatial and temporal challenges of examining the impact of abandoned properties demolition to crimes in City of Hamilton, OH..*

**2593. Placing Education 4: New Political Economies of Education**

*Room:* 600b Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Dan Cohen, University of British Columbia; Christopher Lizotte, University of Washington

CHAIR(S): Christopher Lizotte, University of Washington

**3:20** Elizabeth Chacko\*, The George Washington University, *International students, higher education and development strategies: The case of Singapore.*

**3:40** Jared Powell\*, University of Arizona, *Education reform qua welfare reform: human capital theory and the rationalization of uneven development.*

**4:00** Dan Cohen\*, University of British Columbia, *The Evolving Contradictions of Education: Capital Accumulation and Relative Autonomy.*

**4:20** Karin Topsø Larsen\*, Aalborg University, Denmark, *Processes of peripheralization and the Danish VET system.*

**4:40** Nicole Nguyen\*, University of Illinois - Chicago, *On the Limits of Neoliberalism on Educational Thought.*

**2594. Reimagining the Global Economy- Towards a Geography of Use Values II: Theories of value (Sponsored by Political Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* 602 Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Janelle Knox-Hayes, Georgia Institute of Technology; Lakshman Yapa, Pennsylvania State

CHAIR(S): Yeong-Hyun Kim, Ohio University

**3:20** Susmita Rishi\*, University of Washington; Manish Chalana, Associate Professor, University of Washington, Department of Urban Design and Planning, *Beyond Exchange: Value and Space in Informal Settlements.*

**3:40** Samantha L Hamlin, MS, MBA\*, Portland State University; Heejun Chang, PhD, Portland State University; David E Ervin, PhD, Portland State University, *Agricultural and Residential Land Values in Washington County, Oregon: A Spatial Hedonic Analysis.*

**4:00** Gernot Grabher\*, HCU Hamburg; Jonas König, HCU Hamburg, *Valuation in the emerging sharing economy: The intricate relation between societal values and economic value.*

**4:20** Janelle Knox-Hayes\*, Georgia Institute of Technology, *A spatial and temporal typology of value: understanding the creation of parallel economies.*

Discussant(s): Sarah E. Knuth, Oberlin College

**2595. Oceanic Matters II (Sponsored by Cultural Geography Specialty Group)**

*Room:* 604 Classroom, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Catherine Phillips, University of Western Sydney; Leah Gibbs, University of Wollongong

CHAIR(S): Catherine Phillips, University of Western Sydney

**3:20** Noëlle Boucquey, Ph.D.\*, Stanford University; Luke Fairbanks, Duke University; Kevin St. Martin, Ph.D., Rutgers University; Lisa Campbell, Ph.D., Duke University, *Spatial Imaginaries and 'Calculative Infrastructures': How are the tools of marine spatial planning influencing governance practices?.*

**3:40** Elizabeth M. De Santo, Ph.D.\*, Franklin and Marshall College, *Assessing the Value of Stakeholder "Participation" in Marine Conservation Planning in the UK.*

**4:00** Jeremy William Evans\*, University of Brighton, *Consolidating cultural ecosystem services of knowledge; Special Access Criteria for Low impact fishing Europe, (LIFE) labour processes and the benthos..*

**4:20** Laurie Richmond\*, Humboldt State University, *Negotiating a Halibut Biology: Community, Knowledge, and Power in the Formulation of Pacific Halibut Catch Limits.*

**4:40** Jaime Speed Rossiter\*, San Diego State University; Giorgi Hadi Curti, PhD, Department of Geography, San Diego State University; HDR, Inc.; Christopher M Moreno, PhD, Department of Geography, San Diego State University; HDR, Inc.; David Lopéz-Carr, PhD, Department of Geography, University of California Santa Barbara, *Marine-Space Assemblages: Toward a Different Praxis of Fisheries Policy and Management.*

**2597. Dialogues in Human Geography Annual Forum**

*Room:* 621 Executive Dining Room, University of Chicago Gleacher Center, 6th Floor (Paper Session)

ORGANIZER(S): Robert Kitchin, National University of Ireland

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CHAIR(S): Robert Kitchin, National University of Ireland

**3:20** Heidi J. Nast\*, DePaul University, *Capitalism, anti-natalism, and new geographies of reproduction..*

Discussant(s): Beverley Mullings, Queen's University; Deborah Cowen, University of Toronto; Arun Saldanha, University of Minnesota - Minneapolis; Natalie Oswin, McGill University

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**2601. Pyrogeography V: West African Fires (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Biogeography Specialty Group)**

*Room:* Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Paul Laris, CSU Long Beach; Brian I. Magi, UNC Charlotte; Leif Brottem, University of Wisconsin- Madison

CHAIR(S): Paul Laris, CSU Long Beach

**5:20** Nathan R Pavlovic\*, University of Illinois at Urbana-Champaign; Thomas J Bassett, PhD, University of Illinois at Urbana-Champaign; Jonathan A Greenberg, PhD, University of Illinois at Urbana-Champaign, *Seasonal trends in vegetation burning in Côte d'Ivoire, 1984-2014.*

**5:40** Leif Brottem\*, University of Wisconsin- Madison, *Bringing the environment back in: the case of resource conflict in agro-pastoral West Africa.*

**6:00** Aurahm Jo\*, California State University, Long Beach, *Linking fire regimes to land-cover patterns in West Africa by combining MODIS and Landsat data.*

**6:20** Sepideh Dadashi\*, California State University - Long Beach; Paul Laris, Professor, California State University, Long Beach; Suzanne Wechsler, Professor, California State University, Long Beach; Aurahm Jo, BA in Geography, California State University, Long Beach, *Characterizing the spatiotemporal fire regime for multiple savanna belts in West Africa.*

**6:40** Paul Laris, Ph.D.\*, Long Beach State, *Buffering the savanna: the human ecology of burning in an unstable environment.*

**2605. Urban and Regional Issues: International Perspectives**

*Room:* Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Darryl T. Cohen, U.S. Census Bureau

**5:20** Juan Pablo Galvis\*, SUNY-OldWestbury, *Marketing equality: Selling post-neoliberal Bogota.*

**5:40** Osmar Leandro Loaiza Quintero\*, Universidad Nacional De Colombia; Osmar Leandro Loaiza Quintero, Mr., Universidad Nacional de Colombia, *Tobler's law and regional gaps on municipal education performance in Colombia: 2007-2012.*

**6:00** Ayad A. Wail Albo-Zyad\*, Iraqi, *Geographical Distribution of Oil Fields in Iraq and The Typical Method Which Can Use in Management of Oil Revenues Future.*

**6:20** Darryl T. Cohen\*, U.S. Census Bureau, *Population Change in American Cities: 2010 to 2013.*

**2606. Wine Regions 3: Asia and Latin America**

*Room:* Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Aaron Kingsbury, Mayville State University; Liang-Chih Chen, National Taiwan University

CHAIR(S): Aaron Kingsbury, Mayville State University

**5:20** Aaron J. Kingsbury, PhD\*, Mayville State University, *From the Practical to the Outlandish: Mitigating Environmental and Cultural Change in Japanese Viticulture and Winemaking.*

**5:40** Guillaume Giroir\*, University of Orléans, Department of geography, *The emergence of China as a new world leader of ice wine : a geographical approach.*

**6:00** Elizabeth Murray, M.A.\*, University of South Florida, Applied Anthropology, *"Capitalizing a singular perception": Co-op Marketing in an Emerging Wine Region.*

**6:20** Daniella Gac\*, Universidad de Chile; Daniella Gac, Universidad de Chile, Universidad de los Lagos, *Emergence of Agropolis: processes of inclusion and exclusion from the neoliberal reconfiguration of production in the territories of Chile's Central Valley.*

**2608. Cross-border Networks and Changing Borderscapes between China and Southeast Asia (Sponsored by Political Geography Specialty Group, China Specialty Group)**

*Room:* Skyway 282, Hyatt, East Tower, Blue Level (Panel Session)

ORGANIZER(S): Xiaobo Su, University of Oregon

CHAIR(S): Sarah Turner, McGill University

Panelists: Junxi Qian, South China Normal University; Xiaobo Su, University of Oregon; Elaine Lynn-Ee Ho, National University of Singapore; Shangyi Zhou

**2609. Paleoclimates and Climate Change**

*Room:* Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Philip Van Beynen, University of South Florida

**5:20** Jennifer Kettle\*, Michigan State University; Catherine Yansa, Dr., Michigan State University, *2000 years of Paleoclimate in Southeastern Michigan based on the fossil pollen record of Otter Lake.*

**5:40** Young Ho Shin, Ph.D.\*, Seoul National University, *The Application of CV and MS for paleo-environmental reconstruction on estuaries during the Holocene.*

**6:00** Pete D. Akers\*, University of Georgia; George A. Brook, University of Georgia; Fuyuan Liang, Western Illinois University, *Holocene climate change in the Midwestern US: paleoclimate evidence from Upper Porter Cave stalagmites, Indiana.*

**6:20** Philip Van Beynen, PhD\*, School of Geoscience, University of South Florida; Ping Wang, PhD, School of Geoscience, University of South Florida, *Paleoenvironmental Interpretation of Sinkhole Sediments from the Chazhahowitzka River, Florida.*

**2610. Urban Homelessness: Perception, Representation, and Theory**

*Room:* Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Jessie Speer; Sarah Stein, Emory University

CHAIR(S): Jessie Speer

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**5:20** Jeff Rose\*, Davidson College, *Homelessness in the contemporary city: An ethnography of gendered renderings of self, social services, and public nature.*

**5:40** Jessie Speer\*, Syracuse University, *Stigma, Space, and the Capitalist Aesthetic: Representations of Homeless Encampments in Fresno, California.*

**6:00** Sarah Stein\*, Emory University, *Homelessness Services, Weak Theory, and the Possibility of Seeing Otherwise.*

**6:20** Brian Richard Hennigan, PhD Candidate\*, Syracuse University, *Capitalism, Production, and Stigma: Managing the Homeless Class.*

Discussant(s): Michele Lancione, University of Cambridge

**2611. Ecosystem Services and the Economy**

*Room:* Skyway 285, Hyatt, East Tower; Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Brent Chamberlain

**5:20** Jonathan Bowler\*, University of Wyoming, *The Uintah Basin: An assessment of recreation opportunity potential on the Green River in Utah.*

**5:40** Jan Breitling\*, University for Peace, *Forest Conservation under Green Economy.*

**6:00** Lucie Dejouhanet\*, University of the French West Indies, *Valuing Biodiversity: a Path to Cultural reappropriation. A Case Study in Martinique, a French Caribbean Island.*

**6:20** Wenbo Zhu\*, Peking University, *The heterogeneity of ecosystem services based on residents' demand - supply - consume gradient.*

**6:40** Brent C Chamberlain, Ph.D.\*, Kansas State University; Sarah Gergel, Ph.D., University of British Columbia; Stephanie Tomscha, Ph.D., University of British Columbia, *A Spatially Explicit Analysis of Ecosystem Services in Clayoquot Sound, BC.*

**2613. Working Abroad: International Job Opportunities for Geographers (Sponsored by AAG Jobs and Careers Theme)**

*Room:* Columbus AB, Hyatt, East Tower; Gold Level (Panel Session)

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

CHAIR(S): Niem Huynh, Association of American Geographers

Discussant(s): Doug Gress, Seoul National University; Weronika A. Kusek, Northern Michigan University; Pablo Fuentenebro, University of Western Sydney; Lowry Taylor, U.S. Department of State; Osvaldo A. Muniz, Texas State University, San Marcos

**2614. Opportunities in Science Policy for Geographers and Environmental Scientists (Sponsored by AAG Jobs and Careers Theme)**

*Room:* Columbus CD, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Mark Revell, Association of American Geographers - Washington, DC; Salaeha Shariff, AAAS Science & Technology Policy Fellowships

CHAIR(S): Salaeha Shariff, AAAS Science & Technology Policy Fellowships

Discussant(s): Melinda J. Laituri, Colorado State University  
Panelists: Edward R. Carr, University of South Carolina; Brent McCusker, West Virginia University

**2615. Contemporary North American Police States: Ferguson, Ayotzinapa, and Alternative Futures**

*Room:* Columbus EF, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Maegan Ashley Miller, UCLA; Mat Keel, University of California - Los Angeles

CHAIR(S): Laura Pulido, University of Southern California

Discussant(s): Caitlin Cahill, Pratt Institute; Laura Pulido, University of Southern California; Rashad Shabazz, The University of Vermont

Panelists: Nicholas Jon Crane, Ohio Wesleyan University; Deborah Cowen, University of Toronto

**2616. Harm de Blij Memorial Session**

*Room:* Columbus G, Hyatt, East Tower; Gold Level

Introductory Remarks:

**Douglas Richardson**, Association of American Geographers

**Peter O. Muller**, University of Miami

**Gilbert Grosvenor**, National Geographic Society

**Stephen S. Birdsall**, UNC-Chapel Hill

**Richard A. Marston**, Kansas State University

**Risa Palm**, Georgia State University

**Joseph P. Stoltman**, Western Michigan University

**Ronald F. Abler**, International Geographical Union

**Alexander B. Murphy**, University of Oregon

Announcement of the Harm de Blij Award for Excellence in Undergraduate Geography Teaching:

**Jessica Fiorillo** and **Petra Recter**, John Wiley & Sons, Inc.

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

**Mona Domosh**, AAG President, Dartmouth College

Sponsors: John Wiley & Sons, Inc.

Harm de Blij was one of the most highly regarded geographers of his generation. His illustrious, five-decade academic career started and ended at Michigan State University (capped by an honorary degree); at the National Geographic Society he served for more than 20 years on the Committee for Research and Exploration, becoming the founding editor of its journal, *National Geographic Research*; his outstanding achievements as an educator earned him the highest honors awarded by AAG, NGS and NCGE; and he was a highly active supporter of AAG throughout his 50-plus years of membership. Harm will also be remembered for his 7 years as Geography Editor of ABC's *Good Morning America*, one of his many successes in advancing geography in the national public arena over the past half-century.

**2617. Geography and Online Education B: What is the status of online geography and geospatial education and its impact on traditional educational offerings? (Sponsored by National Center for Research in Geography Education, Esri, Association of American Geographers, Geography and Online Education Theme)**

*Room:* Columbus H, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Mark Revell, Association of American Geographers - Washington, DC; Michael N. Solem, Association of American Geographers

CHAIR(S): David DiBiase, Esri

Panelists: Aileen R. Buckley, Esri; Anthony C. Robinson, Pennsylvania State University; Joseph J. Kerski, Esri; Patricia L. Drews, Northwest Missouri State University; Kathleen Sherman-Morris, Mississippi State University; Richard Donohue, University of Kentucky

**2618. Acclaimed broadcast meteorologist and filmmaker Tom Skilling will be the 2015 AAG Climate Specialty Group Plenary Speaker (Sponsored by Climate Specialty Group)**

*Room:* Columbus IJ, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Tom Skilling; Jennifer Collins, University of South Florida

CHAIR(S): Jennifer Collins, University of South Florida

Introducer: Jennifer Collins

**2619. Model integration and regulation: recentering peripheries in Asia**

*Room:* Columbus KL, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Jason Cons, University of Texas at Austin

CHAIR(S): Jason Cons, University of Texas at Austin

**5:20** Townsend Middleton\*, University of North Carolina - Chapel Hill, *Wasted Lands? Cinchona and the Politics of Repurposing in Post-Plantation Darjeeling.*

**5:40** Jason Cons\*, University of Texas at Austin; Kasia Paprocki, Cornell University, *"Sensitive" Environs: Modeling Bangladesh's Resilient Future.*

**6:00** Christian C. Lentz\*, UNC Department of Geography, *Vietnam on the March.*

**6:20** Michael Eilenberg\*, Aarhus University, *Autonomous Towns and*

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*Special Economic Zones: Modernist Utopias of Order and Control at the Edges of the Indonesian State.*

Discussant(s): Duncan McDuie-Ra, UNSW Australia

**2620. Theorizing Political-Industrial Ecology (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)**

*Room:* Grand A, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Joshua P. Newell, University of Michigan

CHAIR(S): Joshua P. Newell, University of Michigan

Panelists: David C. Gibbs, University of Hull; Stephanie Pincetl, UCLA; Joshua Cousins, University of Michigan; Luke R. Bergmann, University of Washington; Susanne E. Freidberg, Dartmouth College; Jennifer Baka, London School of Economics

**2621. Outcast Cities IV: Theorizing the Urban Beyond Displacement (Sponsored by Urban Geography Specialty Group, Development Geographies Specialty Group)**

*Room:* Grand B, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Asher Ghertner, Rutgers University; Austin

Zeiderman, London School of Economics

CHAIR(S): Austin Zeiderman, London School of Economics

Introducer: Gareth Jones

Discussant(s): Teresa Caldeira, University of California, Berkeley; Asher Ghertner, Rutgers University; Sharad Chari, University of the Witwatersrand; Colin Mcfarlane, Durham University

**2622. Antipode 2015 Lecture: People Without Property in Jobs: Stuart Hall and the Conundrums of Contemporary Urbanization in India (Sponsored by Antipode Foundation and Wiley)**

*Room:* Grand C/D North, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Vinay Gidwani, University of Minnesota

CHAIR(S): Nik Theodore, University of Illinois at Chicago

**2623. Panel: Locating Feminist Theory and Practice in Economic Geography (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* Grand C/D South, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Carolin L. Schurr, University of Zürich; Marit

Rosol, TU Dresden / University of Frankfurt; Sayoni Bose, The Ohio State University

CHAIR(S): Carolin L. Schurr, University of Zürich

Discussant(s): Wendy Larner, University of Bristol; Geraldine J. Pratt, University of British Columbia

Panelists: Nancy Ettlinger, Ohio State University; Oona Morrow, Clark University; Jane S. Pollard, Newcastle University; Karin Schwiter, University of Zurich

**2624. Urban power, urban politics: reconnecting electricity and the city (3) (Sponsored by Energy and Environment Specialty Group)**

*Room:* Grand E/F, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Jonathan Rutherford; Harriet Bulkeley, University of Durham

CHAIR(S): Jonathan Rutherford

**5:20** Janette Webb\*, University of Edinburgh, *Electric City to Future City: Utopian Ideas and Material Realities in the City of Glasgow.*

**5:40** Johannes Strippel\*, Lund University; Harriet Bulkeley\*, University of Durham, *Smart Grid Politics: Conducting Electricity for the City.*

**6:00** Anthony Levenda\*, Portland State University, *Assembling Urban Energy Futures: Electricity Demonstration Projects in North American Cities.*

**6:20** Gordon Walker\*, LANCASTER UNIVERSITY, *Electric Rhythms: the Beat of the City.*

Discussant(s): Simon Marvin, Durham University

**2625. Key issues in the immigrant integration debate (Sponsored by Population Specialty Group, Ethnic Geography Specialty Group)**

*Room:* Grand Suite 2 AB, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Micheline Van Riemsdijk, University of Tennessee

CHAIR(S): Micheline Van Riemsdijk, University of Tennessee

Introducer: Carlos Teixeira

Discussant(s): Mark Ellis, University of Washington; Emily Skop, The University of Colorado At Colorado Springs

Panelists: Bruce Newbold, McMaster University; Jamie Michelle Goodwin-White, UCLA; Kavita K. Pandit, University of Georgia; Richard A. Wright, Dartmouth College

**2626. Monitoring Climate Change in Indian Country (Sponsored by Human Dimensions of Global Change Specialty Group, Indigenous Peoples Specialty Group)**

*Room:* Grand Suite 3, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Randy A. Peppler, University of Oklahoma

**5:20** Richard Thomas, PhD(c)\*, University of Oklahoma,

*Reconstructing 19th century Oklahoma climate: Using the Annual Reports of the Commissioner of Indian Affairs to the Secretary of the Interior to characterize historical drought in the Southern Plains..*

**5:40** Jaime Paneque-Gálvez\*, CIGA-UNAM, CONACYT (Mexico); Nina Kantcheva, UNDP (New York); Michael Keith McCall, CIGA-UNAM (Mexico); Margaret Skutsch, CIGA-UNAM (Mexico), *Toward a more effective indigenous forest monitoring using remotely controlled aerial systems (drones).*

**6:00** Heather G. Basara\*, West Virginia University School of Public Health; Rahama Beida, MS, University of Oklahoma Department of Geography & Environmental Sustainability; Aondover Tarhule, PhD, University of Oklahoma Department of Geography & Environmental Sustainability; Jothi Sundaram, MS, West Virginia University Department of Geology & Geography; Eungul Lee, PhD, West Virginia University Department of Geology & Geography; Peter J Lamb, PhD, University of Oklahoma School of Meteorology, *Analysis of Heat Waves Trends Over the Chickasaw Nation in Oklahoma.*

Discussant(s): Randy A. Peppler, University of Oklahoma

**2627. Teaching and Doing Critical GIS in the Undergraduate Classroom**

*Room:* Grand Suite 5, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Stacy Warren

CHAIR(S): Stacy Warren

**5:20** Stacy Warren\*, Eastern Washington University, *The Needs Analysis as Provocative Catalyst: Critical GIS Projects for the Classroom.*

**5:40** Donald Hutchinson\*, Eastern Washington University, *Sapelo Island and the Gullah Geechee: Class Monopoly Rent and the Failure of the Post-Civil War Reconstruction in the Ancestral Lands of the South.*

**6:00** Anna K Dvorak, PhD\*, Eastern Washington University, *Improving Online Geography Education through Data Visualization.*

**6:20** Kevin Flaherty\*, Pacific Gas and Electric, *Assessing Public Use of Spatial Data: A Graduate's Experience in Long Beach CA..*

**6:40** Leonor Vanik\*, University of Illinois at Chicago, *Who's View: Operationalizing Marginalized Space Identification in an Urban Neighborhood Context.*

**2628. Human Dynamics in the Mobile Age III (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Plaza A, Hyatt, East Tower; Green Level (Paper Session)

ORGANIZER(S): Xinyue Ye, Kent State University; Ming-Hsiang Tsou, San Diego State University; Shih-Lung Shaw, University of Tennessee

CHAIR(S): Edwin Chow, Texas State University

**5:20** Ran Li\*, University of Arizona; Daonqin Tong, University of Arizona, *Measuring activity spaces using social media*

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*data: a case study in New York City.*

**5:40** Daniel Moore\*, Virginia Tech; Laurence W. Carstensen, Ph.D., Virginia Tech, *Implementation of Zone-Based Regression Models to Visualize GPS Location on a Surveillance Camera.*

**6:00** Simon Heidari\*, Universite De Cergy-Pontoise, *GIS Technologies in the Everyday Work of an Airport Operator: Towards an Integrated Management of Complex Infrastructures?.*

**6:20** Xuebin Wei\*, University of Georgia, *Representing Location-Based Social Media Activity in GIS.*

**6:40** Alec Barker\*, George Mason University; Kevin M. Curtin, George Mason University; Richard M. Medina, University of Utah, *A Data-Driven Framework for the Analysis of Geographic Patterns of Team Processes.*

## **2629. What is a wild life? (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**

*Room:* Plaza B, Hyatt, East Tower, Green Level (Panel Session)

ORGANIZER(S): Rosemary-Claire Collard, University of Toronto; Stephanie Rutherford, Trent University

CHAIR(S): Jamie Lorimer, University of Oxford

Discussant(s): Jesse Goldstein, Virginia Commonwealth University  
Panelists: Stephanie Rutherford, Trent University; Jessica Dempsey, University of Victoria; Paul S. B. Jackson, University of Delaware; Carlota Mcallister, York University; Eben Kirksey, University of New South Wales

## **2630. New Methods for Measuring Segregation, Panel (Sponsored by Population Specialty Group)**

*Room:* Soldier Field, Hyatt, West Tower, Bronze Level (Panel Session)

ORGANIZER(S): John Östh

CHAIR(S): John Östh

## **2631. Mountain Tourism: International Perspectives on Change and Continuity (Sponsored by Recreation, Tourism, and Sport Specialty Group, Mountain Geography Specialty Group)**

*Room:* Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Sanjay K. Nepal, University of Waterloo; Rudi Hartmann, University of Colorado

CHAIR(S): Alison M. Gill, Simon Fraser University

**5:20** Elizabeth S. Vidon\*, Indiana University, *Seeking Common Ground: The Changing Identity of the Adirondack Park.*

**5:40** Li Yang\*, Western Michigan University, *Tourists' Perceptions of Pro-poor tourism in China.*

**6:00** Natalie K Ooi, PhD\*, Colorado State University, *Socio-cultural change as a result of mountain resort tourism growth and development: A case study of Steamboat Springs, Colorado.*

**6:20** Rudi Hartmann\*, University of Colorado; Rudi Hartmann, University of Colorado Denver, *The Impact of Mega Sports Events on Mountain Resort Development: The Case of the Alpine World Championships in Vail/Beaver Creek 1989, 1999, and 2015.*

**6:40** Sanjay K. Nepal\*, University of Waterloo; Yang Mu, University of Waterloo, *High Mountain Adventure Tourism: Encountering Death and Despair in Nepal's Mt. Everest Region.*

## **2632. Rendering Land Investable II: Multiple Ontologies and Materialities in the Global Land Rush (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)**

*Room:* Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Julian S. Yates, University of British Columbia; Jenny Elaine Goldstein, University of California - Los Angeles

CHAIR(S): Jenny Elaine Goldstein, University of California - Los Angeles

**5:20** Emily Hong\*, Cornell University, *Land, Law & Indigenous Media: Building Political Futures in Highland Burma.*

**5:40** Nisrin Elamin Abdelrahman\*, Stanford University, *"Our future is not for sale": Contested land and the Politics of Claim-making in central Sudan.*

**6:00** Sayoni Bose\*, The Ohio State University, *Sedimentation of State Power and the Multiple Valuations of Land.*

**6:20** Charles Fogelman\*, University of Illinois at Urbana-Champaign, *Technologically Defining Land: Reforming, Measuring, and Commodifying Lesotho's Land.*

Discussant(s): Tania Li, University of Toronto

## **2633. Bringing Place into Art and Activism (Sponsored by GeoHumanities Theme)**

*Room:* Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): GeoHumanities

CHAIR(S): Jeffrey R. Masuda, Queen's University

**5:20** Tomoyuki Suzuki\*, student, kobe university; Ayako Matsumoto, assistant professor, kobe university; Takanori Nagano, associate professor, kobe university, *promotion of consciousness to agricultural water channel by art project.*

**5:40** Adelheid Mers\*, School of the Art Institute of Chicago, *Title: Curating as Institution Building: emerging uses of cultural mapping.*

**6:00** Morag Rose\*, University of Sheffield, *Psychogeographical Experiments in Manchester; UK. Fieldnotes and Footsteps.*

**6:20** Carmen Antreasian\*, Geography Dept., *Dancing with Lacan: A Lacanian analysis of Swan Lake.*

**6:40** Jeffrey R. Masuda\*, Queen's University; Audrey L. Kobayashi\*, Queen's University, *Mobilizing the "Right to Remain" as a counter-urban brand in Vancouver's Paueru Gai: Historicizing gentrification, planning, and heritage in a racialized community through arts based participatory research.*

## **2635. Cartography Honors Student Paper Competition (Sponsored by Cartography Specialty Group)**

*Room:* Picasso, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Robert E. Roth, UW-Madison

CHAIR(S): Robert E. Roth, UW-Madison

**5:20** Xi Zhu\*, Department of Geography, University of South Carolina, *Multi-Scale Flow Map with Kernel Smoothing and Generalization.*

**5:40** Joel Radunzel\*, Syracuse University, *Using the Correct Tool: Woodward's Cartographic Framework and the History of Military Cartography.*

**6:00** Dylan Coolbaugh\*, UNC Greensboro; Selima Sultana, Ph.D., UNC Greensboro, *How Land Use and Public Transit Interact.*

**6:20** Gabriele Richardson\*, Louisiana State University, *Alcohol Beverage Outlets and the Disparity in Exposure: Correlation among Crime Rates, Socio-Demographic Predictors, and Off-sale and On-sale Alcohol Outlets in New Orleans, 2010.*

**6:40** Elias Issa\*, San Diego State University, *Mashing up Social Media with Land Use Classification: Case Study of Geo-tagged and non Geo-tagged Tweets about Public Health and Movie Topics.*

## **2636. The Roles of Libraries in the GeoHumanities (Sponsored by GeoHumanities Theme, Historical Geography Specialty Group)**

*Room:* Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Marcy Bidney, University of Wisconsin-Milwaukee; Katherine H. Weimer, Rice University; Lee Ann Nolan

CHAIR(S): Marcy Bidney, University of Wisconsin-Milwaukee

**5:20** Nicole Kong\*, Purdue University Libraries, *Developing the Libraries Geospatial Program for Humanities.*

**5:40** Kelsey Rydland\*, Northwestern University Library; Ann J Aler\*, Northwestern University Library, *GeoHumanities at Northwestern University Library.*

**6:00** Kevin Dyke\*, University of Minnesota; Ryan Mattke, University of Minnesota; Justin Schell, University of

**WEDNESDAY, APRIL 22 • 5:20 PM - 7:00 PM • 2600**

Minnesota, *Leveraging Library Expertise: Infusing Collaborations and Collections with Geography.*

- 6:20** Kathryn Lage\*, University of Colorado Boulder Libraries, *Research Data Curation in the Geohumanities: Practices and Possibilities.*

Discussant(s): Katherine H. Weimer, Rice University

**2637. River Observations, Monitoring, and Management (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)**

*Room:* Wrigley, Hyatt, West Tower, Bronze Level (Illustrated Paper Session)

ORGANIZER(S): Adriana E. Martinez, Southern Illinois University Edwardsville; Suzanne Walther, Utah Valley University

CHAIR(S): Adriana E. Martinez, Southern Illinois University Edwardsville

- 5:20** Katie Anna Siech\*, Southern Illinois University Edwardsville; Adriana Martinez, Ph.D, Southern Illinois University Edwardsville, *Utilizing GIS to Model Biodiversity and Land Use Changes in the Meramec watershed.*
- 5:25** Nicole Gillett\*, *Community Flood Resiliency in New England: The Role of Citizen Watershed Organizations.*
- 5:30** Mark Alan Fonstad\*, University of Oregon, *Small Stream Surveys: Structure from Motion versus Kinect Mapping for Big Data Collection.*
- 5:35** Mingde You\*, Texas A&M University; Anthony M. Filippi, Texas A&M University; Inci Guneralp, Texas A&M University; Burak Guneralp, Texas A&M University, *Soft Classification Approaches for Analysis of Geomorphic and Vegetation Spatial Patterns within Dynamic Meandering River Floodplains.*
- 5:40** Ayomipo Adeyemo\*, Southern Illinois University Edwardsville; Adriana Martinez, Ph.D., Advisor, *Effect of Reservoirs On Land Use Patterns of The Provo River, Utah: A Gis Perspective.*
- 5:45** Christina Leonard\*, University of Wyoming; Carl Legleiter, Dr., University of Wyoming, *Evaluating the Effects of River Management by Levees on Sediment Transport and Channel Change along a Dynamic Gravel-Bed River.*
- 5:50** Jacob M. McDonald\*, University of Georgia; M. Brian Gregory, National Park Service; Thomas R. Jordan, University of Georgia, *Assessing the Accuracy of Structure from Motion-Derived Models of Channel Bank Erosion.*
- 5:55** George Heritage\*, AECOM; Neil Entwistle, University of Salford, *Integrating drone generated digital elevation data with morphodynamic modelling to improve understanding of process-form dynamics in a fluvial system.*
- 6:00** Neil Steven Entwistle\*, University of Salford; George L Heritage, AECOM, *Evaluating SfM digital elevation model quality with regard to watercourse restoration and management.*
- 6:05** Sarah Peirce, University of Western Ontario, Department of Geography; Pauline Leduc, University of Western Ontario, Department of Geography; Peter Ashmore\*, University of Western Ontario, Geography Department, *Image-Based Analysis of Grain Size and Bedload Transport in Gravel-Bed Rivers.*

**2638. Remote Sensing, Spatial Analysis, and Modeling of Vector-borne and Zoonotic Diseases III (Sponsored by Geographic Information Science and Systems Specialty Group, International Geospatial Health Research Network, Remote Sensing Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* Acapulco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Dale A. Quattrochi, NASA MSFC; Cory Morin, NASA Marshall Space Flight Center

CHAIR(S): Dale A. Quattrochi, NASA MSFC

- 5:20** Jake Hightower\*, University of Florida, *Regional SIR Model and Mobility Analysis of West African Ebola Outbreak.*
- 5:40** Frederick S. Pianalto, PhD\*, University of Arizona, *Surface temperature derived from remote sensing as an environmental gradient to partition Sonoran Desert rodent species abundance..*
- 6:00** Qingyun Du\*, Wuhan Univ.; Fu Ren, Wuhan Univ., *Spatial Pattern Analysis of Epidemic Deceases based on Urban Geo-coding.*
- 6:20** Xiaonan Tai\*, University at Buffalo, *Understanding the effects of scale in spatial statistical models.*
- 6:40** Khyati Desai\*, University of North Texas; Chetan Tiwari, University of North Texas; Joseph Oppong, University of North Texas, *Influence of the choice of disease mapping method on interpretation of population characteristics in areas of high disease burdens..*

**2639. Well-being, Healthy Cities and Quality of Life (Sponsored by International Geospatial Health Research Network)**

*Room:* Atlanta, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Steven M. Manson, University of Minnesota

- 5:20** Bryan Boruff, Assistant Professor\*, University of Western Australia; Hannah Badland, Senior Research Fellow, University of Melbourne; Suzanne Mavo, Senior GIS Analyst, University of Melbourne; Gavin Turrell, Professor, Queensland University of Technology; Fiona Bull, Professor, University of Western Australia; Chris Pettit, Associate Professor, The University of Melbourne; Sally Redman, Professor, Sax Institute; Adrian Bauman, Professor, University of Sydney; Paula Hooper, Assistant Research Professor, University of Western Australia; Karen Villanueva, Research Fellow, University of Melbourne; Thomas Astell-Burt, Lecturer, University of Western Sydney; Xiaoqi Feng, Lecturer, University of Western Sydney; Vincent Learnihan, Research Officer, University of Canberra; James Collett, Department of Infrastructure and Regional Development; Anne Hurni, Department of Infrastructure and Regional Development; Sarah Thackway, PhD, NSW Health; John Miller, Hassell; Billie Giles-Corti, Professor, University of Melbourne; Jerome Rachele, PhD, Queensland University of Technology, *The development and validation of national liveability indicators: linking geography, urban policy, chronic disease risk factors and health outcomes in Australia.*
- 5:40** Steven M. Manson\*, University of Minnesota; Tracy A Kugler, PhD, Research Associate and Terra Populus project manager; David C Van Riper, Spatial Analysis Core Director, Minnesota Population Center, *Terra Populus: Population and Environment Data for Research on Human Well-Being.*
- 6:00** Amit Birenboim\*, The Hebrew University of Jerusalem, *The Environment and our Momentary Wellbeing: A Smart(phone) Exploration of the Quality of Life.*
- 6:20** Maria João Forjaz, PhD\*, Institute of Health Carlos III - Spain; Pelayo Pedrero, MD, MPH, Ramón y Cajal Hospital, Madrid, Spain; Maria-Eugenia Prieto-Flores, PhD, Geography department, UNED University, Madrid, Spain; Fermina Rojo-Perez, PhD, Institute of Economics, Geography and Demography, IEGD, CSIC, Madrid, Spain; Gloria Fernandez-Mayoralas, PhD, Institute of Economics, Geography and Demography, IEGD, CSIC, Madrid, Spain; Vicente Rodriguez-Rodriguez, PhD, Institute of Economics, Geography and Demography, IEGD, CSIC, Madrid, Spain, *Environmental Factors and Life Satisfaction of*

**WEDNESDAY, APRIL 22 • 5:20 PM - 7:00 PM • 2600***Community-Dwelling Older Adults.*

- 6:40** Daryll George Archibald, PhD, Mres, BA(hons)\*, University of Edinburgh, *Assessing the Impact of Area Regeneration Programmes on Community Health and Well-being in Scotland.*

**2640. Innovative Geospatial Applications for Food and Health Research (Sponsored by Cyberinfrastructure Specialty Group, International Geospatial Health Research Network, Health and Medical Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)

- ORGANIZER(S): Xiang Chen, Arkansas Tech University  
CHAIR(S): Michael J. Widener, University of Cincinnati
- 5:20** GRANGER Christian\*, University of Cergy-Pontoise, Student of GIS; LEMAIRE Frédéric, Engineer-Archaeologist, Inrap; OXFORD John, Virologist, London; OPIGEZ Xavier, 3D specialist at the Urban Planning Institute of Paris; DOUGLAS Gill, Historian, London.; RAMET Joël, Archaeologist, Etaples.; DIALLO Daouda, University of Cergy-Pontoise, Student of GIS, *3D GIS For The Great Influenza Pandemic. The British Camp of Etaples in Great War.*
- 5:40** Zan M. Dodson\*, University of Maryland, College Park, *The impact of prolonged illness on agricultural land use among subsistence agriculturalists in rural Mozambique.*
- 6:00** Greg Rybarczyk, Ph.D.\*, University of Michigan-Flint; Richard Wetzel\*, University of Michigan - Flint, *Examining the revealed accessibility of ethnic food resources using a multivariate spatial modeling approach and GIS.*
- 6:20** Nathanael P. Rosenheim\*, Texas A&M University, *Searching for food environments that retain and attract low-income households.*
- 6:40** Nairne Cameron\*, Algoma University; Daryl Nelligan, Algoma University, *A Before-After Study of Urban Spatiotemporal Changes in Accessibility to Healthy Retail Food.*

**2641. Health Disparities: Contemporary and Emerging Methods (Sponsored by Geographic Information Science and Systems Specialty Group, International Geospatial Health Research Network, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* New Orleans, Hyatt, West Tower, Gold Level (Paper Session)

- ORGANIZER(S): Yolanda McDonald, Texas A&M University  
CHAIR(S): Daniel Goldberg, Texas A&M University
- 5:20** Yanjia Cao\*, University of Iowa; Kathleen Stewart, University of Iowa, *Geographic patterns of kidney transplants in the US: disparities by race and ethnicity.*
- 5:40** Xiang Chen\*, Arkansas Tech University; Jill Clark, The Ohio State University, *Food Access beyond Space: Temporal Food Access Disparity in Franklin County, Ohio.*
- 6:00** Yolanda J McDonald, MA\*, Department of Geography, Texas A&M University; Michael Schwind, Department of Geography, Texas A&M University; Daniel W Goldberg, PhD, Department of Geography, Texas A&M University; Isabel Scarinci, PhD, MPH, University of Alabama, School of Medicine, Division of Preventive Medicine; Philip E Castle, PhD, MPH, Global Coalition Against Cervical Cancer; Jack Cuzick, PhD, Queen Mary, University of London, Wolfson Institute of Preventive Medicine; Ann Powell, University of New Mexico, School of Medicine, Department of Pathology; Michael Robertson, University of New Mexico, School of Medicine, Department of Pathology; Cosette M Wheeler, PhD, University of New Mexico, School of Medicine, Department of Pathology, *Landscape of cervical*

*cancer screening, diagnosis and pre-cancerous treatment services in New Mexico, USA..*

- 6:20** Marynia Aniela Kolak\*, Arizona State University; Daniel R. Block\*, Chicago State University, *Spatio-temporal analysis of Healthy Food Access in Chicagoland from 2007-2014.*
- 6:40** Tonny J Oyana, PhD, University of Tennessee Health Science Center; Sheri L Edwards, PhD, Western Carolina University; Lisa C. Lindley\*, University of Tennessee, *Examining geographic health disparities among children with cancer.*

**2642. Understanding Regional Economic Growth**

*Room:* Regency A, Hyatt, West Tower, Gold Level (Paper Session)

- ORGANIZER(S): Ryan James, Northern Illinois University  
CHAIR(S): Ryan James, Northern Illinois University
- 5:20** Marina Castro Almeida\*, *Uneven geographical development and the migration of Contact Center operations in Brazil.*
- 5:40** Robert B. South\*, University of Cincinnati, *Metaphor to Model: The Evolving Geography of Mexico's Manufactures for Export.*
- 6:00** Harrison S Campbell, Ph.D.\*, University of North Carolina at Charlotte, *Disentangling Convergence and Divergence among U.S. Metropolitan Areas.*
- 6:20** Ryan D James\*, Northern Illinois University; Harrison S Campell, University of North Carolina at Charlotte, *Exploring the Role of Earned and Unearned Income on Regional Income Convergence.*

**2643. Geography and Design I: Agency of Design**

*Room:* Regency B, Hyatt, West Tower, Gold Level (Panel Session)

- ORGANIZER(S): Eric M. Huntley, University of Kentucky; Matthew W. Wilson, Harvard University  
CHAIR(S): Eric M. Huntley, University of Kentucky  
Introducer: Eric M. Huntley  
Discussant(s): Matthew W. Wilson, Harvard University  
Panelists: Robert Edward Cabral, university of michigan; Chris Bennett; Zulaikha Ayub, Mississippi State University; Brent Sturlaugson, Yale University; Alexander Arroyo, University of California - Berkeley; William Andreas Viglakis, Mapbox; Amy Motzny; Vineet Diwadkar, Harvard University

**2645. Infrastructures of Life and Risk at Sea**

*Room:* Regency D, Hyatt, West Tower, Gold Level (Paper Session)

- ORGANIZER(S): Max Ritts, University of British Columbia; Jessica Lehman, University of Minnesota - Minneapolis  
CHAIR(S): Max Ritts, University of British Columbia
- 5:20** Jessica Lehman\*, University of Minnesota - Minneapolis, *The Affective Geography of Ocean Sensing.*
- 5:35** Max J Ritts\*, University of British Columbia, *A Sound You Cannot Fathom - Ocean Noise Markets in the Pacific Northwest.*
- 5:50** Noella Gray\*, University of Guelph, *Charted Waters? Tracking the Production of Conservation Territories on the High Seas.*
- 6:05** Holly Buck\*, Cornell University, *The role of the defense industry in ocean space and infrastructure.*
- 6:20** David Tecklin\*, Universidad Austral de Chile, *"Space is now worth more than the resource": governance, property and territory on Chile's southern coastline (1990-2013).*

**2646. Ethical Tourism, Care and Global Citizenship (Sponsored by Recreation, Tourism, and Sport Specialty Group)**

*Room:* San Francisco, Hyatt, West Tower, Gold Level (Paper Session)

- ORGANIZER(S): Jim Butcher, Canterbury Christ Church University  
CHAIR(S): Jim Butcher, Canterbury Christ Church University
- 5:20** Cora Jakubiak\*, Grinnell College, *English-language*



**WEDNESDAY, APRIL 22 • 5:20 PM - 7:00 PM • 2600***Voluntourism and Linguistic Assimilation.*

**5:40** Heather Hindman\*, University of Texas at Austin, *Obtaining Care Credentials in Nepal: A Comparison of Humanitarian Citizenship Infrastructures.*

**6:00** Michael Clancy\*, University of Hartford, *What's at Stake in the Slow Movement: Consumption, Responsibility and Citizenship.*

**6:20** Jim Butcher\*, Canterbury Christ Church University, *Care, politics and volunteer tourism.*

Discussant(s): Peter Smith, St. Mary's University, London, UK

**2647. Land Change Modeling II: Applications and Decision Making (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Toronto, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Ting Liu, Northeastern Illinois University;

Xiaojuan Yang, Florida State University

CHAIR(S): Ting Liu, Northeastern Illinois University

**5:20** Wei Li\*, Peking University, University of Michigan; Ginger Allington, Ph.D., University of Michigan; Dan Brown, Professor, University of Michigan, *A system dynamics approach for modelling coupled natural and human systems on the Mongolia Plateau.*

**5:40** Shougeng Hu\*, Department of Land Resource Management, China University of Geosciences, Wuhan, Hubei 430074, China; qiuming cheng, Department of Earth and Space Science and Engineering, Department of Geography, York University, Toronto, 4700 Keel Street, Ontario, Canada M3J 1P3, *Multivariate geostatistical methods for analysis of relationship between land price and natural and human environmental elements at a city scales.*

**6:00** David Massey\*, Indiana University; Rinku Roy Chowdhury, Indiana University, *Modelling a Peri-Urban Landscape in the Greater Miami Metropolitan Region.*

**6:20** Timothy T Kennedy\*, University of Wisconsin - Stevens Point, *Modeling the Multi-dimensional Factors of Parcelization and Land-use Change in Rural Wisconsin.*

**6:40** Ting Liu\*, Northeastern Illinois University; Xiaojuan Yang, Florida State University, *Multi-scale Modeling of the Factors Driving Urban Land Use Changes.*

**2651. Thinking Urban, Writing Urban: A Panel of Sage Authors (Sponsored by Urban Geography Specialty Group)**

*Room:* Stetson A, Hyatt, West Tower, Purple Level (Panel Session)

ORGANIZER(S): Mark Davidson, Clark University

CHAIR(S): Mark Davidson, Clark University

Discussant(s): Deborah G. Martin, Clark University; Kevin Ward, University of Manchester

Panelists: Alan Latham, University College London; Ronan Paddison, Urban Studies Journal; Eugene McCann, Simon Fraser University; Donald McNeill, University of Western Sydney; Thomas A. Hutton, UNIVERSITY OF BRITISH COLUMBIA; Talja Blokland, Humboldt University

**2652. Rural gentrification: a transatlantic concept? (Sponsored by Rural Geography Specialty Group)**

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Martin Phillips, University of Leicester;

Darren Smith, Loughborough University

CHAIR(S): Darren Smith, Loughborough University

Introducer: Martin Phillips

**5:25** Martin Phillips\*, University of Leicester, *Conceptual Geographies of Rural Gentrification: A Study of Sociologies of Translation in the UK and USA.*

**5:45** John Dwight Hines\*, Savageton, Wyoming, *Asset Theorization in Analyses of Rural Gentrification in North America.*

**6:05** Peter B. Nelson\*, Middlebury College; Pierre Pistre, University of Paris Diderot; Julien Dellier, University of Limoges, *Towards a cross-national database of rural gentrification indicators.*

**6:25** Darren Smith\*, Loughborough University; Darren Paul Smith, Professor, Loughborough University, *Changing geographies of rural gentrification: 2001 and 2011 UK Census.*

Discussant(s): Patrick T. Hurley, Ursinus College

**2653. AAG Panel Session: International Field School Programs: Thematic-Integrative Approaches, Contested Concepts, and the Evolution of Fieldwork (Sponsored by Urban Geography Specialty Group, Geography Education Specialty Group)**

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Panel Session)

ORGANIZER(S): Aaron James Williams, University of Calgary; Cameron Owens, University of Victoria

CHAIR(S): Byron Miller, University of Calgary

Discussant(s): Michael R. Glass, University of Pittsburgh

Panelists: Aaron James Williams, University of Calgary; Kacy McKinney; Cameron Owens, University of Victoria; Samuel Mössner, University of Freiburg i.Br.; Maral Sotoudehnia, University of Victoria; Joe Pavelka, Mount Royal University; Mark T. Burnett, Mount Royal University

**2654. Nordic Environments/Nordic Spaces/Nordic Places II (Sponsored by Polar Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)**

*Room:* Stetson E, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): C. Patrick Heidkamp, Southern Connecticut State University; Karl Benediktsson, University of Iceland

CHAIR(S): Karl Benediktsson, University of Iceland

**5:20** Gina Butrico\*, Kent State University, Yale University; David H Kaplan, Kent State University, *Greenhouses in Iceland: Failing to Germinate.*

**5:40** Joonas Kristian Vola\*, Arctic Centre of the University of Lapland, *Aesthetics of Distance.*

**6:00** Anne Ranek\*, Roskilde University, *Spatial encounters: feelings of inclusion and exclusion among young Muslim women and men in Copenhagen, Denmark..*

Discussant(s): Karl Benediktsson, University of Iceland; C. Patrick Heidkamp, Southern Connecticut State University

**2655. Legal Geographies 8: Human and More-Than-Human Environments, A - Energy/Environment**

*Room:* Stetson F, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): John Carr, University of New Mexico

CHAIR(S): John Carr, University of New Mexico

**5:20** Hari Osofsky\*, University of Minnesota Law School; Jacqueline Peel, University of Melbourne School of Law, *Energy Partisanship.*

**5:40** Laura Pitkanen\*, University of Toronto, *On the Beach: The Regulatory Logics of Dispossession.*

**6:00** Belinda Archibong\*, Columbia University; Perrine Toledano, Columbia University, *Do Gas Flaring Laws and Policy Change IOC Behavior in Host Countries? Evidence from Country Case Studies.*

**6:20** Tiffany Grobelski\*, University of Washington, *Fraught legality: Polish administrative law, procedural rights, and credible environmental protection.*

Discussant(s): John Carr, University of New Mexico

**2656. Articulating discourse analysis in geography: method, practice and process II (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)**

*Room:* Stetson G, Hyatt, West Tower, Purple Level (Paper Session)



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ORGANIZER(S): Chad Newbrough Steacy, University of Georgia; Christian Pettersen

CHAIR(S): Chad Newbrough Steacy, University of Georgia

**5:20** Waqar Ahmed\*, University of North Texas, *Power/Knowledge and Foreign Direct Investments in Energy in India.*

**5:40** Abigail Bennett\*, Duke University, *What is the difference between policy and discourse? Problematizing conceptual distinctions in discourse analysis of environmental policy process.*

**6:00** Bogdana Manole\*, Arizona State University, *A geography of environmental justice: people, farms, water and oil in Shafter, Kern County, CA.*

**6:20** Stentor Benjamin Danielson\*, Slippery Rock University, *Discourses of Environmental Justice in the University Classroom.*

Discussant(s): Mike Crang, Durham University

**2657. Tourism Dynamics: Transformations, Long-term competitiveness and sustainability (Sponsored by Recreation, Tourism, and Sport Specialty Group)**

*Room:* Addams, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Patrick Brouder, Brock University & Mid Sweden University; Cinta Sanz-Ibáñez, Rovira i Virgili University; Salvador Anton Clave, Rovira i Virgili University

CHAIR(S): Salvador Anton Clave, Rovira i Virgili University

**5:20** Hilal Erkus Ozturk, Assoc. Prof.Dr.\*, Akdeniz University, *Spatial Implications of Economic Diversification: Evidence From Antalya Tourism City.*

**5:40** Kristina Nilsson Lindstrom\*, University of Gothenburg; Szilvia Gyimóthy, Aalborg University, *Film-induced tourism as regional development strategy: A critical assessment.*

**6:00** Cinta Sanz-Ibáñez\*, Rovira i Virgili University; Salvador Anton Clave\*, Rovira i Virgili University, *Networks and Knowledge-Enhancing Contexts in the Evolution of Tourist Places.*

**6:20** Kelsey Jolley\*, University of Nebraska - Omaha, *Climate change: Has it impacted visitation to national parks in the United States?*

**6:40** Osman Cenk Demiroglu, PhD\*, Istanbul Policy Center; Abdullah Akbas, Ardahan University; Tugba Ozturk, PhD, Isik University; Mustafa Tufan Turp, Bogazici University; Nazan An, Bogazici University; Murat Turkes, PhD, Middle East Technical University; M. Levent Kurnaz, PhD, Bogazici University, *Site Selection for Ski Resorts and Areas: A GIS Application over the Turkish Mountain Terrain.*

**2658. Geographies of the Climate Movement (Sponsored by Cultural and Political Ecology Specialty Group, Climate Specialty Group)**

*Room:* Burnham, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Robert Wilson, Syracuse University

CHAIR(S): Gregory Simon, University of Colorado Denver

**5:20** Brenden E. McNeil, West Virginia University; Karen L. Culcasi\*, West Virginia University, *Mapping and Global Climate Change: Lessons learned from Acid Rain Mapping.*

**5:40** Randolph Haluza-DeLay, PhD\*, The King's University, *Responding when the Sacred Canopy Burns: Religious Climate Activism.*

**6:00** Robert Wilson\*, Syracuse University, *Faces of the Climate Movement: Video, Social Media, and Environmental Reform in the United States.*

**6:20** Jennifer L. Rice\*, The University of Georgia, Geography; Brian J. Burke, Appalachian State University, *Sustainable Development, Connections and Missed Connections of the Climate Movement and Anti-Fracking Activism.*

Discussant(s): James McCarthy, Clark University

**2659. Urban Emergency Issues under Critical Infrastructure Disruption (Sponsored by Hazards, Risks, and Disasters Specialty Group, Urban Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Dusable, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Wei Lu, Oak Ridge National Laboratory;

Rajasekar Karthik, Oak Ridge National Laboratory

CHAIR(S): Wei Lu, Oak Ridge National Laboratory

**5:20** Hyun Kim\*, University of Tennessee; Qian Ye, University of Tennessee, *Assessing vulnerability of public transit systems: A reliable paths optimization approach.*

**5:40** Steven Corns\*, Missouri University of Science and Technology; Lizzette Perez-Lespier, Missouri University of Science and Technology; Suzanna Long, Missouri University of Science and Technology; Tom Shoberg, United States Geological Survey; Hector Carlo, University of Puerto Rico at Mayagüez, *A System Dynamics Approach to Scoping the Disaster Restoration Problem for Critical Infrastructure Systems.*

**6:00** Melissa Wagner\*, Arizona State University; Elizabeth Wentz, Arizona State University; scott kelley, Arizona State University, *Assessing Tropical Storm Vulnerability in an Inland Desert: A Case Study of the 2014 Flash Flood Events in Phoenix, Arizona.*

**6:20** Mei Li\*, George Mason University; Qian Liu, Peking University; shanjun mao, Peking university, *Using CALPUFF Model for High Sour Gas Block with Complex Terrain in Real-time Emergency Response System.*

**6:40** Firas Sami Alqatrani, MA\*, University of Szczecin, *The Efficiency of Infrastructure Services in the City of Al-Zubair (Iraq) A Study in Urban Geography.*

**2660. The Politics and Anti-Politics of Adaptation to Climate Change III (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Development Geographies Specialty Group)**

*Room:* Field, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Thomas Smucker, Ohio University; Ben Wisner, Independent Scholar

CHAIR(S): Thomas Smucker, Ohio University

Panelists: Jesse Ribot, University of Illinois; Mara Jill Goldman, University of Colorado; Theresa Wong, Carleton University; Sophie Webber, University of British Columbia; Ignacio Rubio C, Universidad Nacional Autonoma De Mexico; Ritodhi Chakraborty, University of Wisconsin - Madison

**2661. The Acoustic City: Exploring Geographies of Sound**

*Room:* Horner, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Arun Saldanha, University of Minnesota - Minneapolis; Matthew Gandy, University College London

CHAIR(S): Matthew Gandy, University College London

Discussant(s): Jesse Proudfoot, University of Toronto

Panelists: George Revill, The Open University; Sandra Jasper, University College London (UCL); George L. Henderson, University of Minnesota; Benny Nilsen, Independent Sound Artist

**2662. PREM: Militarism and Humanitarianism 2 (Sponsored by Political Geography Specialty Group)**

*Room:* McCormick, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Emily Gilbert, University of Toronto; Killian McCormack, University of Toronto

CHAIR(S): Emily Gilbert, University of Toronto

**5:20** Volha Piotukh, Dr\*, Geography Department, Durham University, *'Caring' for the population of Afghanistan: the biopolitics of the post-2001 aid securitisation and militarisation.*

**5:40** Jennifer Fluri\*, University of Colorado, Boulder,

# WEDNESDAY, APRIL 22 • 5:20 PM - 7:00 PM • 2600

*Peaceful Conflicts: Afghan Women's Organizations, humanitarianism and political and military transition.*

**6:00** Killian McCormack\*, University of Toronto, *Liberalism as a moral imperative: the role of citizenship in USAID's humanitarian policies.*

**6:20** Jennifer Greenburg\*, University of California Berkeley, *"The one who bears the scars remembers": Haiti and the historical geography of US militarized development.*

**6:40** Simon M. Reid-Henry\*, QMUL and Peace Research Institute, Oslo, *Genealogies of Liberal Violence: Human rights, state violence and the police.*

**2663. The Construction of Low-Carbon Value II: Making LCV as a Project of Development (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)**

*Room:* Ogden, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Jia Ching Chen, Brown University; Abigail Martin

CHAIR(S): Jia Ching Chen, Brown University

**5:20** Jia Ching Chen\*, Brown University, *Spatial Planning as Boundary Work in China's Low-Carbon Development.*

**5:40** Michael B. Dwyer\*, CIFOR, *Technical Matters: The Development of REDD+ Baselines and Business-as-Usual Scenarios in Laos.*

**6:00** Maron E Greenleaf\*, Stanford University, *Producing Conservation in the Western Brazilian Amazon.*

**6:20** Manali Baruah\*, University of South Carolina, Columbia, *Unpacking forest governance: a case of community based conservation initiative in Ghana.*

Discussant(s): Sarah E. Knuth, Oberlin College

**2664. States, Institutions, and Investments in Real Estate (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* Wright, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Peter Wissoker, Cornell University

CHAIR(S): Peter Wissoker, Cornell University

**5:20** Michael Ball, Professor\*, Henley Business School, University of Reading, *Institutional networks in housing provision and their impact on real estate cycles.*

**5:40** Rachel Weber\*, University of Illinois At Chicago, *Why We Overbuild: Finance and Development in Millennial Chicago.*

**6:00** Peter Wissoker\*, Cornell University, *Financialization After the Crash: The Rapid Recovery of Commercial Real Estate in the Boston-Area (2009-2013).*

Discussant(s): Benjamin F. Teresa, Rutgers University

**2665. Feminist Geophilosophy (4) (Sponsored by GeoHumanities Theme, Cultural Geography Specialty Group)**

*Room:* Michigan A, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Angela Last, University of Glasgow; Kathryn Yusoff, Queen Mary University of London

CHAIR(S): Rory Rowan, University of Zurich

**5:20** Angeal Last\*, University of Glasgow, *Re-reading Worldliness: Interwar materialisms & the production of matter.*

**5:40** Deborah P Dixon, Prof\*, University of Glasgow, *Touching Earth: of Landfill Futures and Melancholic Phenologies.*

**6:00** Edia Connole\*, *The Language of Flowers: Why the Anthropocene is a Bloody Mess.*

**6:20** Christina L. McPhee\*, independent visual and media artist <http://christinamcphree.net>, *Seismic Shards.*

**2666. Land Use and Development Interaction (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group)**

*Room:* Michigan B, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Jennifer Yongmei Pomeroy, Shippensburg University

CHAIR(S): Jennifer Yongmei Pomeroy, Shippensburg University

**5:20** Jianyong Wu\*, 1. Pennsylvania State University; 2. University of North Carolina - Chapel Hill; Erica Smithwick, Department of Geography, The Pennsylvania State University; Erasmus Klutse, Ghana Health Service, Accra, Ghana; David Ferring, Department of Geography, Rutgers University; Vincent Ricciardi, Department of Geography, The Pennsylvania State University; Heidi Hausermann, Department of Human Ecology, Rutgers University; Joseph Oppong, Department of Geography, The University of North Texas; Petra Tschakert, Department of Geography, The Pennsylvania State University, *Land cover and Buruli ulcer disease in Southwestern Ghana.*

**5:40** Anna Badia\*, Universitat Autònoma de Barcelona; Montserrat Pallares-Barbera, Universitat Autònoma de Barcelona; Àngel Cebollada, Universitat Autònoma de Barcelona; Enric Mendizàbal, Universitat Autònoma de Barcelona, *Challenges of rural roads: land use change and heritage value lost. The Monks' Path in Vallès County, Barcelona.*

**6:00** Sermin TAGIL\*, Balikesir University, *The Lake Marmara And Kumcay Basins Do Face The "Tragedy of The Commons".*

**2667. The remaking of the imaginative geographies of Iran since the 1979 Revolution II: Shifting geopolitical and social relations in the Middle East (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Middle East Specialty Group)**

*Room:* Michigan C, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Mohammad Eskandari; Kaveh Ehsani, DePaul University

CHAIR(S): Kaveh Ehsani, DePaul University

Introducer: Kaveh Ehsani

**5:25** Nazanin Shahrokni, Dr.\*, Harvard Academy for International and Area Studies, *Painting Mobility Pink: Women-Only Taxis and the Politics of Mobility in the Middle East.*

**5:45** Mohammad Eskandari\*, *Social Movements as A Security Threat: The Evolution of Islamic Republic's Geopolitical Imagination and the Spacing(s) of Iranian Polity.*

**6:05** Arang Keshavarzian, PhD\*, New York University, *Imagining Geopolitical Regions and Engineering Geoeconomics: How the Persian Gulf Ceased to be a Global Backwater.*

Discussant(s): Norma Claire Moruzzi

**2668. Land Use Change and Ecosystem Services (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group)**

*Room:* Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Amin Tayyebi, University of Wisconsin-Madison; Amirhossein Tayyebi, University of Iowa

CHAIR(S): Amin Tayyebi, University of Wisconsin-Madison

**5:20** Eric Vaz\*, Ryerson University, *Spatiotemporal patterns and landscape metrics on First Nation reserves: The case of southern Ontario.*

**5:37** Ajibade Lanre Tajudeen, Professor, Department of Geography and Environmental management, University of Ilorin, Ilorin, Nigeria; Joseph Kayode Aro, Mr\*, Department of Geography and Environmental management, University of Ilorin, Ilorin, Nigeria; Comfort Ogunleye-Adetona, Dr., Department of Geography and Environmental management, University of Ilorin, Ilorin, Nigeria, *Climate change and land use change in Sub Saharan Africa: an assessment of the cross effect using*

**WEDNESDAY, APRIL 22 • 5:20 PM - 7:00 PM • 2600***Geospatial technologies..*

- 5:54** M Tamil Selvan\*, Jawaharlal Nehru University; Malar Kodi, Jamia Millia Islamia, *Long-term Estimation and Analysis of Precipitation and Snow Cover Changes over the Himalayan region using Climate Model Simulation and Remote Sensing Data.*
- 6:11** Tyler Link\*, Kansas State University; Marcellus M Caldas, Kansas State University; Gabriel Granço, Kansas State University, *Ethanol industry expansion in the Brazilian Cerrado: A county level comparative analysis in the state of Goiás..*
- 6:28** Amin Tayyebi\*, Wisconsin Energy Institute, University of Wisconsin-Madison, 1552 University Avenue, Madison, WI 53726; Timothy D Meehan, Wisconsin Energy Institute, University of Wisconsin-Madison, 1552 University Avenue, Madison, WI 53726; Jeffrey Dischler, Wisconsin Energy Institute, University of Wisconsin-Madison, 1552 University Avenue, Madison, WI 53726; Claudio Gratton, Wisconsin Energy Institute, University of Wisconsin-Madison, 1552 University Avenue, Madison, WI 53726; Gary Radloff, Wisconsin Energy Institute, University of Wisconsin-Madison, 1552 University Avenue, Madison, WI 53726; Michael Ferris, Wisconsin Institutes for Discovery, University of Wisconsin-Madison, 330 N Orchard St, Madison, WI 53715, *A web-based spatial decision support system for strategic agricultural land use policy development: An application in Dane County, Wisconsin, USA.*

**2669. Urban Cultural Studies**

*Room:* Randolph, Hyatt, East Tower, Ped Path (Interactive Short Paper Session)

- ORGANIZER(S): Stephen Luis Vilaseca, Northern Illinois University; Araceli Masterson-Algar
- CHAIR(S): Stephen Luis Vilaseca, Northern Illinois University
- 5:20** Benjamin Fraser\*, East Carolina University, *Urban Cultural Studies as Interdisciplinary Field in the Lefebvrian Mode.*
- 5:25** Stephen Luis Vilaseca, Associate Professor of Spanish\*, Northern Illinois University, *Mapping the Marginalized in Barcelona and Valencia, Spain.*
- 5:30** Steven Spalding\*, United States Naval Academy, *From Wheel to Reel: Documenting the Mobile French City in 1920s & 1930s.*
- 5:35** Matthew D. Lamb, PhD\*, Penn State University, *Party City: Architecture, Well-being, and Cities as Adult Playgrounds.*
- 5:40** Thomas Heise, Assistant Professor\*, Ryerson University, *The Geography of Crime Fiction.*
- 5:45** Richard John Williams, Professor of Contemporary Visual Cultures\*, University of Edinburgh, *Urban Ruins And Urban Citizens.*
- 5:50** Araceli Masterson-Algar\*, Augustana College, *Urban Cultural Studies as an approach to human mobility.*
- 5:55** Ghayde Ghraoui\*, University of Texas - Austin, *As Tenses Implode: Encountering Post-Traumatic Urbanism in Ghassan Kanafani's "ʔAʔid ila Hayfa".*
- 6:00** Briana Meier, MURP, AICP\*, University of Oregon, *Posthumanist subjectivity and informal urbanism.*

**2670. Human Geography Poster Session**

*Room:* Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)  
See pages 168-172.

**2673. Non-profits, Governance, and the Welfare State in the Post-Economic Crisis Period**

*Room:* Lucerne 1, Swissôtel, Lucerne Level (Paper Session)  
ORGANIZER(S): James DeFilippis, Rutgers University; Philip Ashton, University of Illinois-Chicago; Emily Rosenman, University of British Columbia Liu

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- CHAIR(S): Robert W. Lake, Rutgers University
- 5:20** Mia Charlene White, PHD\*, University of California, *Housing and the Carnality of the Welfare State.*
- 5:40** James DeFilippis\*, Rutgers University; Phil Ashton, University of Illinois-Chicago; Emily Rosenman, University of British Columbia, *The Geography of Non-Profit Capacity in a Time of Financial Crisis.*
- 6:00** Mark Kear\*, Simon Fraser University, *Bringing Financial Empowerment to Scale: The local state and the financialization of the safety net.*
- 6:20** Brenda A Kayzar\*, University of Minnesota, *Philanthropic Interventions.*
- Discussant(s): Robert W. Lake, Rutgers University

**2674. Spatiotemporal Symposium: Spatio-temporal analysis and modeling of social networks (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

- ORGANIZER(S): Linna Li, California State University, Long Beach; Bo Xu, California State University, San Bernardino
- CHAIR(S): Linna Li, California State University, Long Beach
- 5:20** Linna Li\*, California State University, Long Beach; Bo Xu, California State University, San Bernardino, *Spatio-temporal footprints in social networks.*
- 5:30** Bo Xu\*, California State University San Bernardino; Linna Li, California State University Long Beach, *The Issues of Social Media in Emergency Management.*
- 5:40** Andrei Kirilenko\*, University of North Dakota; Karen Zypchyn, Macewan University; Sergey Gulbin, University of North Dakota, *Social network data mining for flood management: 2013 Alberta flooding case study.*
- 6:00** Dean Riddlesden\*, University of Liverpool; Alex D Singleton, University of Liverpool, *Identifying Digital Cultures: A National Classification of Internet Use and Engagement.*
- 6:20** Therese Norman\*, California State University; Jönköping International Business School; Wesley DeWitt, California State University; Linna Li, California State University; Özge Öner, Jönköping International Business School; Charlotta Mellander, Jönköping International Business School, *Where is Santa most efficient? -The Economics of Christmas gifts.*
- 6:40** Michael Jendryke\*, LIESMARS - Wuhan University; Timo Balz, LIESMARS - Wuhan University; Mingsheng Liao, LIESMARS - Wuhan University; Stephen C McClure, LIESMARS - Wuhan University, *Combining Mobile Social Media Messages and Remote Sensing Results to Identify Urbanization Patterns in China.*

**2675. Place, politics and the declining city (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* Lucerne 3, Swissôtel, Lucerne Level (Paper Session)

- ORGANIZER(S): Joshua M. Akers, University of Michigan-Dearborn; Jason Hackworth, University of Toronto
- CHAIR(S): Joshua M. Akers, University of Michigan-Dearborn
- 5:20** Jason Hackworth\*, University of Toronto, *Politics, Planning and Austerity in the Declining City.*
- 5:40** Kimberley Kinder\*, University of Michigan, *Reshaping disinvestment through resident self-provisioning in Detroit.*
- 6:00** Jamie Peck\*, University of British Columbia, *Freedom's foil: Edward Glaeser, Detroit, and the new urban reason.*
- 6:20** Kathryn Wells\*, Virginia Tech, *The Work of Policy Failing.*
- 6:40** Joshua M. Akers\*, University of Michigan-Dearborn, *A New Urban Medicine Show: Blight mediation as contemporary cure-all.*

**WEDNESDAY, APRIL 22 • 5:20 PM - 7:00 PM • 2600****2676. Geographies of Indigenous-settler relations III: Transforming the ties that bind (Sponsored by Indigenous Peoples Specialty Group)****Room:** *Alpine 1, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Vanessa Sloan Morgan; Heather E. Castleden, Queen's University; Monica Mulrennan, Concordia University

CHAIR(S): Monica Mulrennan, Concordia University

**5:20** Lisa Korteweg\*, Lakehead University; Alexandra Elizabeth Bissell\*, Lakehead University; Michelle Clarke\*, Lakehead University, *Unlearning Colonial-Settler Teacher Identity through Indigenized Pedagogies of Hope*.**5:40** Jen Jones\*, University of Guelph, *Addressing Historical Legacies in the Assessment of Resource Development*.**6:00** Joseph Getzoff\*, University of Minnesota - Minneapolis, *Conquering the Wasteland: Sustainable Zionism in the Negev/Naqab Desert*.**6:20** Nicole Gombay\*, Université de Montréal, *"Why go fishing when you're not hungry?": evolving economic encounters on a settler colonial frontier*.

Discussant(s): Vanessa Sloan Morgan

**2677. Retail Keynote: Enterprise Location Intelligence at Walgreens (Sponsored by Business Geography Specialty Group)****Room:** *Alpine 2, Swissôtel, Lucerne Level* (Panel Session)

ORGANIZER(S): Linda A. Peters, Esri; Murray Rice, University of North Texas

CHAIR(S): Linda A. Peters, Esri

**2678. Resistance, Resilience, and Social Movements****Room:** *Zermatt/Gstaad, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mireia Baylina, Universitat Autònoma De Barcelona

**5:20** Thor Ritz\*, Syracuse University, *Anti-colonial Territories of Marronage: Spatial Strategies of Flight and Resistance in the French Caribbean*.**5:40** Diana Mitlin\*, University of Manchester, *Understanding the strategies of urban social movements in the global South*.**6:00** Kevin E. Van Meter\*, University of Minnesota, *Against Rust: Class Composition in Portland, Oregon*.**6:20** Joseph J. Varga, Ph.D.\*, Indiana University, Department of Labor Studies, *Order-Maintenance Statutes and Use of the Commons*.**6:40** Mireia Baylina, Associate professor\*, Universitat Autònoma de Barcelona; Anna Ortiz, Associate professor, Universitat Autònoma de Barcelona; Maria Prats-Ferret, Associate professor, Universitat Autònoma de Barcelona, *Gendered childhood, crisis and resilience: some experiences from Catalonia (Spain)*.**2679. Urban Environment & Sustainability (Sponsored by Landscape Specialty Group)****Room:** *St. Moritz, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Bradley Bereitschaft, University of Nebraska at Omaha

CHAIR(S): Mona Seymour, Loyola Marymount University

**5:20** Cameron J. Shoemaker\*, Ferris State University, *Characterizing the Urban Heat Island of Big Rapids, MI*.**5:40** Jennifer J. Johnson, Ph.D.\*, Ferris State University, *The Case for Urban Heat Isles: Why Even Small Cities Should Pay Attention to their Urban Heat Signatures*.**6:00** Sarah Ariai\*, York University, *The Production of Sustainability in Neoliberal Urban Development*.**6:20** Mara Gittleman, MA Candidate\*, Hunter College, City University of New York, *Quantifying the Environmental Benefits of Urban Community Gardens*.**6:40** Mona Seymour\*, Loyola Marymount University, *Green Infrastructure, the Nonprofit Sector, and Holistic Sustainability Planning in Los Angeles*.**2680. Retheorizing the Urban: Neoliberalism****Room:** *Grindelwald, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Erin DeMuynck, University of Wisconsin - Fox Valley

**5:20** Tuomas Ilmavirta\*, Aalto University / YTK Land Use Planning and Urban Studies Group, *Urban Branding and Urbanism*.**5:40** Mike Raco\*, University College London; Tuna Tasan-Kok\*, TU Delft, *Hyper-diversity: New Representations for a Just Urban Policy*.**6:00** Hannah Leigh Bahnmiller\*, University of North Dakota, *Neoliberalism and Its Implications for Uneven Spatial Development*.**6:20** Erin DeMuynck\*, University of Wisconsin - Fox Valley, *Social Justice and the Creative City*.**2681. New Perspectives on Gentrification****Room:** *Verbier, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Nicholas Dahmann, University of Southern California

**5:20** Maura McGee\*, CUNY - Graduate Center; Kristen Hackett, CUNY-Graduate Center; Sharon Zukin, CUNY-Graduate Center, *Polarizing Neighborhoods: The Material, Social and Psychological Consequences of Shifting Consumption Landscapes*.**5:40** Namji Jung\*, Incheon Development Institute, *Happily ever after: a sustainable growth of an art production center in the middle of a manufacturing community in Munrae-dong, Seoul, South Korea*.**6:00** Cándida Gago Garcia, Associate Professor\*, Complutense University of Madrid; Simón Sánchez Moral, Ramón Y Cajal Researcher, Complutense University of Madrid; Juan Antonio Córdoba Ordóñez, Professor, Complutense University of Madrid, *Global Process and urban changes in the neighbourhood of Lavapiés (Madrid): an interpretation through gentrification theories*.**6:20** Miguel De Oliver\*, University of Texas at San Antonio, *Gentrification as the Appropriation of Therapeutic 'Diversity': A model and case study of the multicultural amenity of contemporary urban renewal*.**6:40** Nicholas Dahmann\*, University of Southern California, *Los Angeles I Do Mind Dying: Recent Reflections on Urban Revolution in Skid Row*.**7:00 PM - 9:00 PM****AAG International Reception**

Wednesday, April 22, 7:00 p.m. – 9:00 p.m.

**Room:** *Crystal Ballroom, Hyatt, Green Level, West Tower*

This reception is an opportunity to see old friends and meet colleagues at the outset of the AAG Annual Meeting. Two free drink tickets are provided in your registration packet. Live music provided by the Ron Harris Music Group.

## WEDNESDAY, APRIL 22 • 7:15 PM - 8:15 PM • 2700

- 2713. Recreation, Tourism, and Sport Specialty Group Business Meeting (Sponsored by Recreation, Tourism, and Sport Specialty Group)**  
*Room: Columbus AB, Hyatt, East Tower; Gold Level (Meeting Session)*
- 2714. Qualitative Research Specialty Group Business Meeting (Sponsored by Qualitative Research Specialty Group)**  
*Room: Columbus CD, Hyatt, East Tower; Gold Level (Meeting Session)*
- 2717. Geographic Information Science and Systems Specialty Group Business Meeting (Sponsored by Geographic Information Science and Systems Specialty Group)**  
*Room: Columbus H, Hyatt, East Tower; Gold Level (Meeting Session)*
- 2718. Climate Specialty Group Business Meeting (Sponsored by Climate Specialty Group)**  
*Room: Columbus JJ, Hyatt, East Tower; Gold Level (Meeting Session)*
- 2719. Russian, Central Eurasian, and East European Specialty Group Business Meeting (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**  
*Room: Columbus KL, Hyatt, East Tower; Gold Level (Meeting Session)*
- 2725. European Specialty Group Business Meeting (Sponsored by European Specialty Group)**  
*Room: Grand Suite 2 AB, Hyatt, East Tower; Gold Level (Meeting Session)*
- 2726. Population Specialty Group Business Meeting (Sponsored by Population Specialty Group)**  
*Room: Grand Suite 3, Hyatt, East Tower; Gold Level (Meeting Session)*
- 2727. Cryosphere Specialty Group Business Meeting (Sponsored by Cryosphere Specialty Group)**  
*Room: Grand Suite 5, Hyatt, East Tower; Gold Level (Meeting Session)*

## WEDNESDAY, APRIL 22 • 8:15 PM - 9:15 PM • 2800

- 2813. Africa Specialty Group Business Meeting (Sponsored by Africa Specialty Group)**  
*Room: Columbus AB, Hyatt, East Tower; Gold Level (Meeting Session)*
- 2817. Graduate Student Affinity Group Business Meeting (Sponsored by Graduate Student Affinity Group)**  
*Room: Columbus H, Hyatt, East Tower; Gold Level (Meeting Session)*
- 2825. Development Geographies Specialty Group Business Meeting (Sponsored by Development Geographies Specialty Group)**  
*Room: Grand Suite 2 AB, Hyatt, East Tower; Gold Level (Meeting Session)*
- 2826. Cyberinfrastructure Specialty Group Business Meeting (Sponsored by Cyberinfrastructure Specialty Group)**  
*Room: Grand Suite 3, Hyatt, East Tower; Gold Level (Meeting Session)*
- 2827. Ethics, Justice, and Human Rights Specialty Group Business Meeting (Sponsored by Ethics, Justice, and Human Rights Specialty Group)**  
*Room: Grand Suite 5, Hyatt, East Tower; Gold Level (Meeting Session)*



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

*For special events, please see the Special Events & Meetings Summary on pages 56-60.*

**AAG 2015 Mobile App**  
*for iOS, Android and Blackberry*



# THURSDAY, APRIL 23 • POSTER SESSION

## Physical Geography Poster Session

Room: Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)

Casual Viewing Time: 11:30 a.m. - 4:30 p.m. (presenters not required to stand by posters)

Poster Session Reception and Happy Hour: 4:30 p.m. - 7:30 p.m. (presenters please stand by your posters)

Poster set-up time: 11:00 a.m. - 11:30 a.m.

- John Sakulich\*, Regis University; Kenji Tanaka, Regis University, *Spatial Analysis and Reconstruction of Tree Establishment in the Southern Rocky Mountains*.
- Ann Rushing\*, Department of Geography and Environmental Resources; Jonathan Remo, Department of Geography and Environmental Resources; Ross J. Guida, Environmental Resources and Policy Program, *Screening of Large-River Floodplains for Their Habitat Rehabilitation Potential*.
- Elizabeth A Schneider\*, University of Minnesota; Kurt F Kipfmüller, University of Minnesota, *Spatial and Temporal Patterns of Fire History in Voyageurs National Park, Minnesota*.
- Kathleen Schut\*, Carroll College; Patricia Heiser, Ph.D., Carroll College, *Fire History and Tree Growth Responses in the Tenmile South Watershed, Helena, MT*.
- Joy Nystrom Mast, Ph.D.\*, Carthage College; Carol L. Chambers, Ph.D., Northern Arizona University, *Snag "Survival": Longevity of Standing Dead Pines After Crown Fire Versus Bark Beetle Outbreak*.
- Gabriel Brownell\*, University of Wisconsin- Platteville, *The Great Lakes Hemlock Project: Improving estimates of regional summer temperatures over the past 400 years to inform reconstructions of Lake Michigan lake level variability*.
- Mary Ann Cunningham\*, Vassar College, *Environmental Preconstruction: Visualizing the Corn Belt in a Changing Climate*.
- Richard A. Marston\*, Kansas State University; Francesca Pellicciotti, ETH Zurich, Institute of Environmental Engineering, *Recent Advances in Understanding Glacial Meltwater: Production, Pathways, Impacts*.
- Kevin Law\*, Marshall University, *Developing Statistical Climatological Track Forecasts for Atlantic Tropical Cyclones from Major Teleconnection Interactions*.
- Arvind AR Bhuta, PhD\*, National Forests, Region 6, U.S. Forest Service; G. Geoff Wang, PhD, Clemson University, SC; Joan L. Walker, PhD, Southern Research Station, U.S. Forest Service, *Reduced growth of southern yellow pines across the southeastern landscape*.
- David C. Viertel, Ph.D.\*, Eastern Illinois University; Diane M. Burns, Ph.D., Eastern Illinois University, *Channel Change and Resulting Impacts Along the Little Wabash River in East-Central Illinois*.
- Aaron Brouse\*, West Chester University; Michael Davis, Kutztown University of Pennsylvania, *Analysis of Cloud-Albedo Feedback on the Central United States "Warming Hole"*.
- Matt K. Wenzel\*, Indiana University; Justin T. Maxwell, Dr., Indiana University Geography; Karly R. Schmidt, Indiana University Geography, *The Legacy of 19th Century Iron Production in Central Pennsylvania: Soil Acidification and Trace-metal Mobilization Evidenced with Tree Rings*.
- Xingyou Zhao\*, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *Study on regional natural geographical characteristics and the world natural heritage site outstanding universal value in the Tianshan Mountains, Xinjiang, China*.
- Stefan Stults, University of Wisconsin - Stevens Point; Eric J.

- Larsen\*, University of Wisconsin - Stevens Point; Susan T Talarico, Dr., University of Wisconsin - Stevens Point, *Aspen growth in Yellowstone 1999-2013*.
- Jennifer N. Knipper\*, University of Missouri Kansas City; Caroline P. Davies, University of Missouri Kansas City, *Quantitative analysis of major and trace elements of lacustrine sediment: a comparison of two marginal environments within the Al-Azraq Basin, Jordan using inductively coupled atomic emission spectrometry (ICP-AES)*.
- Christian Harding\*, Kutztown University, *Assessment of Diurnal Temperature Ranges in the Gulf Region of the United States*.
- Jussi Griessinger\*, University of Erlangen, Institute of Geography; David Loibl, University of Aachen, Institute of Geography, *Late Holocene monsoonal dynamics in SE-Tibet derived from glacial evidence and tree-ring  $\delta^{18}O$* .
- James M. Dyer\*, Ohio University; Norman A. Bourg, Conservation Ecology Center, Smithsonian Conservation Biology Institute; William J. McShea, Conservation Ecology Center, Smithsonian Conservation Biology Institute, *Using a water balance approach to examine forest dynamics on the Smithsonian Conservation Biology Institute Large Forest Dynamics Plot*.
- Thomas Patterson\*, UNC-Greensboro, *Do Longleaf Pine Mast Variations Affect Climate Reconstructions?*.
- Julie Tuttle\*, University of North Carolina at Chapel Hill, *Optimal matching of historical and modern field data sets to assess 20th-century forest change in Great Smoky Mountains National Park*.
- Erik N. Johanson\*, University of Tennessee; Sally P Horn, Ph.D., University of Tennessee; Chad S Lane, Ph.D., University of North Carolina, Wilmington, *Late Holocene Paleoenvironments and Human-Environment Interactions from Southern Pacific Costa Rica: Two New Records*.
- Elizabeth Tanner\*, University of Wisconsin - Platteville; Nicholas Harnish, University of Wisconsin-Platteville; Lane Johnson, M.S., University of Wisconsin-Platteville; Kurt Kipfmüller, PhD, University of Minnesota; Evan R Larson, PhD, University of Wisconsin-Platteville; Ben Matthys, BS, University of Wisconsin-Platteville, *Fire History, Composition, and Age Structure of Two Red Pine Stands along the Border Route of the Boundary Waters Canoe Area Wilderness*.
- J Elmo Rawling\*, Wisconsin Geological and Natural History Survey; Evan R Larson, University of Wisconsin-Platteville Department of Geography; Sara Allen, University of Wisconsin-Platteville TREES Lab, *New chronologies from the Great Lakes cutover: Dendroecology of a mid-1800s pier in the old harbor of the Kalamazoo River along the southeast shores of Lake Michigan*.
- Evan R. Larson, Ph.D.\*, The University of Wisconsin-Platteville; Matthew W. Salzer, Ph.D., Laboratory of Tree-Ring Research, University of Arizona, *Climate Response and Chronology Characteristics of Foxtail Pine Vary Over Short Distances from Tree Line*.
- Jessica Kleckner\*, University of Wisconsin - Platteville; Martha Green, University of Wisconsin-Platteville; Evan R Larson, Ph.D., University of Wisconsin-Platteville, *Historical Ecology of an Oak Savanna in Memorial Park on the University of Wisconsin-Platteville Campus*.
- Colin Long\*, University of Wisconsin Oshkosh; Thomas Minckley, University of Wyoming; Jacqueline J. Shinker, University of Wyoming; Mitchell Power, University of Utah; Patrick Bartlein, University of Oregon, *7600 year vegetation and fire history from Anthony Lake, Northeastern Oregon, USA*.



# THURSDAY, APRIL 23 • POSTER SESSION

- Susy Svatek Ziegler\*, Northern Michigan University, *Reconstructing Vegetation Change on an Adirondack Mountainside*.
- Zachary P. Taylor, Ph.D.\*, Berry College; Thomas Laird, Willamette University; Megan K. Walsh, Ph.D., Central Washington University, *Pre-settlement fire and vegetation history from Clear Lake, Oregon*.
- Alex W. Dye\*, West Virginia University; Amy Hessler, West Virginia University; Benjamin Poulter, Montana State University; Audrey Barker Plotkin, Harvard Forest; Daniel Bishop, Harvard Forest; Neil Pederson, Harvard Forest, *Calibrating alternative measurements of aboveground forest productivity*.
- Joy J. Wolf\*, University of Wisconsin-Parkside, *Using citizen-based techniques to interpret bird populations in the Pacific Northwest coast*.
- Michael Pisaric, Associate Professor\*, Brock University; Robert Weisner, Brock University; Sarah Quann, Carleton University; Trevor Porter, Assistant Professor, University of Toronto - Mississauga, *Intra-annual wood anatomical features of white spruce (*Picea glauca*) and their relationship to climate at northern treeline in Northwest Territories, Canada*.
- Mathew Boehm\*, Department of Geography, University of Tennessee; Sally P. Horn, The University of Tennessee, Knoxville; James A. Hyatt, Eastern Connecticut State University, Willimantic, CT, *Fire History on the Southeastern Coastal Plain: A 6000 Year Charcoal Record from Lake Balboa, Georgia*.
- Matthew Casali\*, University of Denver, *Identifying Green Stage Pine Beetle Attack Using Thermal and Moisture Properties*.
- Lauren E. Cox\*, University of Alabama; Justin L. Hart, PhD, University of Alabama; Callie J. Schweitzer, PhD, USDA Forest Service, Southern Research Station, *Canopy cover in pine-hardwood systems following intermediate stand treatments in relation to compositional and structural stand characteristics*.
- Charles A. T. Jackson\*, University of Alabama; Justin L. Hart, PhD, University of Alabama; Daniel C. Dey, PhD, USDA Forest Service; Callie J. Schweitzer, PhD, USDA Forest Service, *Relating environmental gradients and past disturbance to community assemblages in a Cumberland Plateau oak forest*.
- Amanda M. Keasberry\*, The University of Alabama; Justin Lane Hart, Ph. D., The University of Alabama; Daniel C. Dey, Ph. D., USDA Forest Service Northern Research Station; Callie J. Schweitzer, Ph. D., USDA Forest Service Southern Research Station, *Sapling competition along a disturbance intensity gradient: implications for the *Quercus* bottleneck*.
- Matthew F. Bekker\*, Brigham Young University, *A Millennial-length Reconstruction of Streamflow for the Bear River, Northern Utah*.
- Justin Hart\*, University of Alabama; Chris Oswalt, USDA Forest Service; Craig Turberville, University of Alabama, *Demography of sugar maple through the southern portion of its range: succession and climate-induced range migration*.
- Adam W. Burnett\*, Colgate University, *Distinguishing Great Lake-effect snow from that of other sources in the snowfall record*.
- Melissa D. Wagner\*, University of Dubuque; Elizabeth G. Bainbridge, Fort Hays State University; Gerald L. Zuercher, University of Dubuque; David E. Koch, University of Dubuque, *Spatial distributions of roost tree selection by southern flying squirrels (*Glaucomys volans*) in eastern Iowa*.
- Jennifer A. Simmons\*, University of South Carolina; Parker D. Leslie, University of South Carolina; Wesley R. Skeeter, University of South Carolina, *Intense Precipitation Climatology of South Carolina*.
- Andrew Evans\*, Texas A&M University, *Latitudinal Gradient Analysis of the Warm Edge Range Limit of the Canadian Boreal Forest*.
- Joshua M. Gilliland\*, Louisiana State University; Barry D. Keim, Louisiana State University, *Wind Speed Trends over Brazil from 1980 - 2013*.
- Timothy A. Joyner\*, East Tennessee State University; Selena Roark, East Tennessee State University, *Exploring the current and future potential distribution of the North American Giant Salamander using ecological niche modeling*.
- Alex Marden\*, Pennsylvania State University; Catherine Airey Lauvaux, M.S., Pennsylvania State University; Alan Taylor, Ph.D., Pennsylvania State University, *Fire History and Fire-Climate Relationships in a Ponderosa-pine Douglas-fir forest in the Sawtooth Mountains, Idaho*.
- Jeremy E. Diem\*, Georgia State University; Sadie J. Ryan, University of Florida; Joel Hartter, University of Colorado; Michael W. Palace, University of New Hampshire, *Satellite-Based Rainfall Data Reveal a Recent Drying Trend in Central Equatorial Africa*.
- Lei Meng\*, Western Michigan University; Eungul Lee, West Virginia University; Yaqian He, West Virginia University, *Spatial and temporal variations of agricultural irrigated areas in China*.
- Eungul Lee\*, Department of Geology and Geography, West Virginia University; Yaqian He, West Virginia University; Jeong Joon Ahn, Division of Plant & Soil Sciences, West Virginia University; Yong-Lak Park, Division of Plant & Soil Sciences, West Virginia University, *Effects of future climate change on interactions between pollinator bees and bee parasites*.
- Belayet Khan\*, Eastern Illinois University, *An Overview of Monthly and Annual Temperature and Precipitation Patterns in Bangladesh*.
- Lijuan Zhang, Harbin Normal University; Shawn JM Hutchinson, Kansas State University; Lianling Su\*, Kansas State University, *Change of Amount of CO<sub>2</sub> Absorbed by Forest in Heilongjiang Province of the 20th Century*.
- Maria A. Caffrey\*, University of Colorado Boulder; Rebecca L. Beavers, National Park Service, *Calculating Rates of Future Sea Level Rise in 117 National Park Service Units*.
- Nicholas R. Adkins\*, Marshall University, *Modeling and Forecasting Monthly North Atlantic Tropical Cyclone Genesis Location and Accumulated Cyclone Energy using Teleconnection Patterns*.
- Shana M. Rose\*, Kutztown University of Pennsylvania; Michael A. Davis, Kutztown University of Pennsylvania, *Temperature and Precipitation Variability Effects on Texas Agriculture*.
- Katherine Klink\*, University of Minnesota, *Seasonal Patterns and Trends of Fastest 2-minute Winds at Coastal Stations in the Conterminous United States*.
- Deirdre Smith\*, Louisiana State University, *Effects of El Niño on Lightning Presence in Northwestern Venezuela*.
- Justin Schoof\*, Department of Geography and Environmental Resources, Southern Illinois University, *High-resolution projections of daily near-surface air temperature and extremes for the contiguous United States*.
- Jeanne M. Thibeault, Ph.D\*, University of Connecticut; Anji Seth, Ph.D., University of Connecticut, *Toward the credibility of Northeast United States summer precipitation projections in CMIP5 and NARCCAP simulations*.
- Rebecca Lynn Kovalik\*, Kutztown University; Michael A. Davis, Doctor, Kutztown University, *Analysis of Aerosols and Cloud Cover over the Midwestern United States "Warming Hole"*.
- Thomas B. Williams, PhD\*, Western Illinois University, *Tornado*

## THURSDAY, APRIL 23 • POSTER SESSION

*Development in Northeast Nebraska on 16-17 June 2014.*

Jill S. M. Coleman, Ph.D.\*, Ball State University; Robert M. Schwartz, Ph.D., University of Akron; Candace J. Boren, Ball State University, *U.S. Blizzard Climatology: Patterns, Trends and Processes.*

Sanghoon Kim\*, University of Florida, *The relationship between TC motion and soil moisture.*

Andrew Ronald Friedman\*, Institut Pierre Simon Laplace - Laboratoire d'Océanographie et du Climat; Paul Rogé, Department of Plant, Soil and Microbial Sciences, Michigan State University; Marta Astier, Centro de Investigaciones en Geografía Ambiental, Universidad Nacional Autónoma de México; Miguel A. Altieri, Department of Environmental Science, Policy, and Management, University of California, Berkeley, *Farmer strategies for dealing with climatic variability: a case study from the Mixteca Alta Region of Oaxaca, Mexico.*

Brandon J. Vogt\*, University of Colorado Colorado Springs; Stephen J. Hodanish, NOAA/NWS, Pueblo, Colorado; Jim Schindling, West Virginia GIS Technical Center at West Virginia University, *Lightning Activity in Colorado's Mountains: New Findings.*

Jordan V. Pino\*, Louisiana State University, *Hurricane Ophelia and its Effects on Sea Surface Temperatures and the Depth of the 26.0°C Isotherm.*

Caitlin Del Roccili\*, Kutztown University of Pennsylvania; Victoria Trucksess, Rider University; Michael Davis, Kutztown University of Pennsylvania, *Temperature and Precipitation Variability on Midwest Corn Production.*

Victoria Trucksess\*, Rider University; Michael A. Davis, Kutztown University of Pennsylvania, *Temperature and Precipitation Variability on the Kansas Wheat Growing Season.*

Zach Esslinger, Fort Hays State University; Adam Giersch, Fort Hays State University; Jake Lankutis, Fort Hays State University; Grady Dixon\*, Fort Hays State University, *Observing Effects of Weather on White-tailed Deer Activity.*

Ying Tang\*, Michigan State University; Shiyuan Zhong, Michigan State University; Julie Winkler, Michigan State University; Claudia Walters, University of Michigan-Dearborn, *Evaluation of Southerly Low-level Jet Climatology over Great Plains produced by Regional Climate Models.*

Peter T. Soule\*, Appalachian State University; Paul Knapp, University of North Carolina - Greensboro; Justin Maxwell, Indiana University, *A Comparison of Climate-growth Responses from Old-growth Ponderosa Pine Trees Among Multiple Measures of Annual Radial Growth.*

Paul A. Knapp\*, University of North Carolina Greensboro; Justin T. Maxwell, Indiana University; Peter T. Soule\*, Appalachian State University, *Dendroclimatic Reconstructions of Tropical Cyclone Precipitation in North Carolina.*

Karen Michelle Montes Berrios\*, University of Puerto Rico, Río Piedras Campus, *El Niño Southern Oscillation (ENSO) in 1997-2014: how the system's effects extend around the Caribbean in the rainy season.*

Diego Pons, MPH\*, University of Denver, *Dendroclimatological Reconstructions in the Southern Coffee Regions of Guatemala.*

Karly Schmidt\*, Indiana University; Justin Maxwell, Assistant Professor, Department of Geography, Indiana University, *Projecting Future Water Availability in the Great Lakes Megalopolis: Reconstructing Lake Michigan-Huron Lake Level and Regional Hydroclimate Using Tree Rings.*

Corene J. Matyas, PhD\*, University of Florida; Ian Comstock,

University of Florida; Jingyin Tang, University of Florida; Yao Zhou, University of Florida; Stephanie Zick, University of Florida; Jose Javier Hernandez-Ayala, University of Florida; Yu Wang, University of Florida; Guoqian Yan, University of Florida; Qiao Guo, University of Florida; Sanghoon Kim, University of Florida, *Measuring tropical cyclones and their rainfall using multiple datasets and analytical techniques.*

Lauren Ickes\*, Kutztown University, *Assessment of Diurnal Temperature Ranges in the Gulf Region of the United States.*

Kent M. McGregor\*, University of North Texas, *Termination of Droughts in Texas by ENSO Events.*

Aashka Patel\*, University of South Carolina, *Climate Change Information for Long-term Water Supply Planning.*

Douglas W. Gamble\*, University of North Carolina - Wilmington; Scott Curtis, East Carolina University, *Temporal Patterns in Northern Caribbean Monthly Precipitation Variability: A Test of Local Farmers' Observations.*

Nazla Bushra\*, Louisiana State University, *Spatiotemporal Susceptibility of Cyclone Formation and Damage Extent: Bangladesh Coast and Bay of Bengal.*

Kelci Miller\*, Texas A&M University; Brendan Roark, Texas A&M University; Mackenzie Schoemann, Texas A&M University; Katie Shamberger, Texas A&M University, *Aragonite saturation state and deep-sea coral distribution in the Northwest Hawaiian Islands.*

Rafael Perez-Torres\*, *River discharge and its intimate relationship with beach morphology in two beach systems at Puerto Rico.*

Dariel Narvaez Arroyo\*, University of Puerto Rico, *Sediment grain size and composition distribution at La Boca and Machuca Beaches, Puerto Rico (2013-2014).*

Gladys Valentin, B.A.\*, Para la Naturaleza, The Conservation Trust of Puerto Rico, *Comparative Study of Beach Morphology (Beach Width, Grain Size and Composition) in Two Beach Systems at Puerto Rico (2014-2015).*

Patricia Heiser\*, Carroll College, *Human and Landscape Responses to Regional Climate and Environmental Changes in Central Montana.*

Jonathan Haws\*, University of Louisville; Vera Pereira, Universidade de Coimbra; Rita Dias, Universidade do Algarve; Ilona Benedetti, University of North Carolina Wilmington, *Reconstructing Late Pleistocene paleoenvironments in central Portugal: a study of animal biogeography from the excavation of Lapa do Picareiro.*

Melishia I. Santiago\*, Clark University, Graduate School of Geography; Karen E. Frey, Ph.D., Clark University, Graduate School of Geography, *Chromophoric dissolved organic matter (CDOM) variability and distribution in the Chukchi and Beaufort seas of the Pacific Arctic region.*

Greta Wells\*, University of Texas - Austin, *Jökulhlaups in Iceland: A Survey of Current Research Trends and Future Questions.*

Anna Klene\*, University of Montana; Frederick E. Nelson, Northern Michigan University, *Urban Geocryology: Mapping Urban-Rural Contrasts in Active-Layer Thickness, Barrow Peninsula, Northern Alaska.*

Sabrina R. Brown\*, Indiana State University; Justin L. Cheek, University of Central Oklahoma; Thomas A. Grant, University of Alaska Fairbanks; Jeannine-Marie St. Jacques, Prairie Adaptation Research Collaborative (PARC) at the University of Regina; David A. Jordan, Trinity Western University; Carrie E. Spradlin, U.S. Forest Service, Umatilla National Forest; Mary K. Rourke, U.S. Forest Service, Colville National Forest; Henri D. Grissino-Mayer, University of Tennessee-Knoxville; Peter M. Brown, Rocky Mountain Tree-Ring Research, *A Dendroecological Reconstruction of*

# THURSDAY, APRIL 23 • POSTER SESSION

- Wildfires for the Beartooth Mountains, Wyoming, from AD 1664 to Present.*
- Janet E. Smith\*, University of Missouri - Kansas City; Caroline Davies, PhD, University of Missouri-Kansas City, *Clay mineral assemblages as paleoclimate indicators in the Qa Al-Jafr Basin, Jordan.*
- Vanessa J. Bailey\*, University of Wisconsin Oshkosh; Colin Long, University of Wisconsin Oshkosh, *The timing and spatial extent of late-Holocene fire-inferred drought conditions in the western Great Lakes region.*
- Anna Agosta G' Weiner, B.Sc.\*, McGill University; Matthew Peros, Ph.D., Bishop's University, *A Holocene multiproxy paleoecological record from Cenote Jennifer, Cayo Coco, Cuba.*
- Jennifer M Barnett\*, University of North Texas, and Lewisville Aquatic Ecosystem Research Facility; Paul F. Hudak, University of North Texas; Gary O. Dick, Lewisville Aquatic Ecosystems Research Facility; C. Reid Ferring, University of North Texas, *Evaluation of Allelopathy and Other Soil Altering Properties of Invasive Chinese Privets (Ligustrum sinense).*
- Erin Elizabeth O'Connor\*, Youngstown State University, *Establishing Post-fire Vegetative Recovery as Associated with Mature Tree Stands and Topography on Sofa Mountain.*
- Travis J. Schrobilgen\*, University of Dubuque; David Koch, Dr., University of Dubuque; Gerald Zuercher, Dr., University of Dubuque, *Spatial distributions of turtle species in an Upper Mississippi River backwater area of Pool 12..*
- Jordan T. Adams\*, Texas State University; Kimberly M. Meitzen, Ph.D., Geography, Texas State University, *Hydrodynamics of Texas wild-rice: von Karman street vortex development in an endangered aquatic macrophyte.*
- Julie Mcknight\*, University of Tennessee, Knoxville, *Assessing hydrologic feedbacks on soil carbon dioxide flux in two constructed agricultural wetlands in East Tennessee.*
- Ian Slayton\*, University of Denver; Donald G Sullivan, University of Denver, *The Response of High Elevation Wetlands to Past Climate Change in the Never Summer Range, Colorado.*
- Ben Matthys\*, University of Wisconsin - Platteville; Evan Larson, Dr., University of Wisconsin-Platteville; Kurt Kipfmüller, Dr., University of Minnesota-Twin Cities; Lane Johnson, University of Wisconsin-Platteville, *Spatial patterns in fire interval frequencies in the Boundary Waters Canoe Area Wilderness and their relationship to historical landuse.*
- Karen Jordan\*, University of South Alabama, *Teaching Introductory Physical Geography Online.*
- Patricia J Beyer, PhD\*, Bloomsburg University; John G. Hintz, PhD\*, Bloomsburg University of Pennsylvania, *Creating Communities of Learners Using Outdoor Classrooms.*
- Michael Applegarth\*, Shippensburg University, *An Example of Teaching Soils.*
- Michael D. Luehmann, MS\*, Michigan State University, Department of Geography; Alan F. Arbogast, PhD, Michigan State University, Department of Geography; G. William Monaghan, PhD, Indiana Geological Survey and Indiana University; William A. Lovis, PhD, Michigan State University, Department of Anthropology and MSU Museum; Michael J. Michalek, Michigan State University, Department of Geography; Hong Wang, PhD, University of Illinois at Urbana-Champaign, Geochronology Laboratory, Illinois State Geological Survey, Prairie Research Institute, *Late-Pleistocene Fluvial Incision and Perched-Dune Formation along the Lower Au Sable River in Northeastern Lower Michigan, USA.*
- Scott A. Lecce\*, East Carolina University; Robert T. Pavlowsky, Missouri State University; Marc T. Owen, Missouri State University, *Channel and Floodplain Storage of Sediment and Lead in Streams Draining the Viburnum Trend Mining District of Southeast Missouri.*
- Daniel H. Stadler\*, Eastern Illinois University; James D. Riley, Eastern Illinois University, *Patterns of Flow Structure and Bed Morphology at a Chute Cutoff Obstructed by Large Woody Debris.*
- Jessica N. Intravaia\*, Eastern Illinois University; James D. Riley, Eastern Illinois University, *Tracking Large Woody Debris in a Low-Energy Meandering River.*
- Hannah R Adams\*, UW - Eau Claire; Alison C Olmstead, UW - Eau Claire; Harry M Jol, PhD, UW - Eau Claire; Sean Morrison, UW - Eau Claire; Walter Loope, PhD, USGS, *"Looking Deep" into a Late Holocene Lake Superior Barrier.*
- Susan W.S. Millar, Ph.D.\*, Syracuse University, *Spatial Patterns of Soil Freezing and River Response to Snow.*
- Gregory A. Pope, Ph.D., Associate Professor\*, Montclair State University; Joshua C. Galster, Ph.D., Associate Professor, Montclair State University; Tanya M Blacic, Ph.D., assistant professor, Montclair State University; Matthew L. Goring, Ph.D., Associate Professor, Montclair State University; David C Sharpe, Geoscience MS Student, Montclair State University; EAES404 Field Geology Students, Montclair State University, *Relict Landslide Features on Late-Pleistocene Fluvial terraces, Flat Brook, Northwest New Jersey.*
- Trevor Langston\*, *Characterizing Flow and Sediment Transport Dynamics in the Willamette River, OR..*
- David B Huggins\*, Missouri State University; Robert T Pavlowsky, Ph.D., Missouri State University; Marc R Owen, M.S., Missouri State University, *Spatial analysis of reach-scale factors controlling floodplain contamination by historical lead mining in the Big River, southeast Missouri.*
- Carson Smith\*, Minnesota State University, Mankato; Andrew Brown, Minnesota State University, Mankato; Phillip H Larson, PhD, Minnesota State University, Mankato; Chad Wittkop, PhD, Minnesota State University, Mankato, *The Significance of Alluvial Fans in the Landscape Evolution of the lower Minnesota River Valley: Preliminary Results.*
- Billy U. Hales\*, Texas A&M University; Inci Guneralp, Texas A&M University, *Influence of uncertain topographic data on the characterization of geomorphic units and aquatic habitats in a large sand-bed meandering river.*
- Chris S. Renschler, PhD\*, University at Buffalo (SUNY), *Quantifying the Ability to Recover from Extreme Events - The PEOPLES Resilience Framework.*
- Katherine Malpeli\*, U.S. Geological Survey; Peter G Chirico, U.S. Geological Survey, *Physical geographic controls on informal resource extraction.*
- Joseph George Galella\*, *Slackwater Sedimentation at Laughlin Milldam, Newville, Pennsylvania.*
- Bryan Kinworthy\*, University of New Mexico; Chris Duvall, PhD, University of New Mexico, *Distribution of Rock Glaciers in New Mexico with Applications for Paleoclimate Research.*
- Dakota James Burt\*, University of Wisconsin-Oshkosh; Mark W. Bowen, Dr., University of Wisconsin-Oshkosh; Dylan A. King, University of Wisconsin-Oshkosh, *Carbon Sequestration within Wetland, Cropland, and Grassland Soils of the High Plains.*
- William L. Blewett\*, Shippensburg University; Scott A. Drzyzga, Shippensburg University; Laura Sherrod, Kutztown University; Hong Wang, Illinois State Geological Survey, *Correlation of high-level deltas and outwash plains along Michigan's Munising and Grand Marais moraines.*
- Yingkui Li\*, University of Tennessee; Dewen Li, Institute of

## THURSDAY, APRIL 23 • POSTER SESSION

- Crustal Dynamics, China Earthquake Administration, China; Guocheng Dong, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, China; Liqiang Wang, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, China, *Cosmogenic nuclide constraints of limited Quaternary glacier fluctuations on the central Tibetan Plateau.*
- Zachary Wehrmann\*, Ohio University; Dorothy Sack, Ohio University, *Environmental and Anthropogenic Variables Affecting Channel Planform of the Upper Hocking River, Southeastern Ohio.*
- Karen A. Lemke\*, Univ of Wisconsin-Stevens Point, *Downstream Changes in Hydraulics and Streambed Texture in the Plover River, Wisconsin.*
- Adam D. Mulling\*, Missouri State University; Robert T. Pavlowsky, Ph.D., Missouri State University; Marc R. Owen, Missouri State University, *Historical Changes of Sediment Phosphorus in a River-lake System Due to Improvements in Wastewater Treatment.*
- Peter George Chirico\*, United States Geological Survey, *Geomorphological mapping integrating field observation and very-high resolution remotely sensed data in a data sparse environment.*
- Robert Regis\*, Northern Michigan University, *Late Pleistocene Laurentide Ice Sheet Recession Across the Central Upper Peninsula of Michigan.*
- Deacon P Aspinwall\*, Adams State University; Tavia P Carlson, Adams State University; Jocelyn R Popelka, Adams State University; Mark Z Jones, Adams State University; Jared M Beeton, Ph.D., Adams State University; Jacqueline A Smith, Ph.D., The College of Saint Rose; Brad Johnson, Ph.D., Davidson College, *Methods of Reconstructing Paleoenvironments in Mountain Valleys: Dendrochronology, OSL, 14C, 10Be, and Soils on Moraines and Terraces in the Upper Rio Grande Basin, San Juan Mountains, USA.*
- Christopher Todd Kaase\*, University of South Carolina; John A Kupfer, PhD, University of South Carolina, *Patterns of sediment accumulation and characteristics across a Coastal Plain floodplain: The importance of hydrogeomorphic influences and cross-floodplain connectivity.*
- Joann Mossa, Ph.D.\*, University of Florida; Yin-Hseun Chen, University of Florida, *Geomorphic Changes in the Lower Atchafalaya River, Louisiana.*
- Richard L. Knox, Major\*, United States Military Academy; Edgardo Latrubesse, PhD, University of Texas at Austin, *A geomorphic classification of a section of the Lower Mississippi River.*
- Francis J. Magilligan\*, Dartmouth College; Keith Nislow, USDA Forest Service; Northern Research Station, Amherst, MA 01003 USA; Chris Sneddon, Department of Geography and Department of Environmental Studies, Dartmouth College; Coleen Fox, Department of Geography and Department of Environmental Studies, Dartmouth College, *River Restoration by Dam Removal: Assessing Riverine Re-connectivity Across New England.*
- Martin Lafrenz\*, Portland State University; Catherine de Rivera, Portland State University; Sarah Eppley, Portland State University, *Salt Marsh Habitat Response to Future Sea Level Rise.*
- Yongjun Zhang\*, timothy Hubbard, University of Nebraska - Lincoln; Robert Oglesby, University of Nebraska - Lincoln; Song Feng, University of Arkansas; Ayse Kilic, University of Nebraska - Lincoln; Clinton Rowe, University of Nebraska - Lincoln; Qi Hu, University of Nebraska - Lincoln, *The Role of Reduced Springtime Soil Moisture in Preconditioning, Prolonging, and Enhancing Drought in the Central US.*
- Inci Guneralp\*, Texas A&M University; Burak Guneralp, Texas A&M University; Ying Liu, Texas A&M University, *Global Patterns of Urban Exposure to Flood and Drought Hazards.*
- Matthew T. Kerr\*, The University of Tennessee; Thaddeus G. Bissett, Cultural Resource Analysts, Inc.; Sally P. Horn, The University of Tennessee; Chad S. Lane, University of North Carolina Wilmington; David G. Anderson, The University of Tennessee, *Archaeological Freshwater Mussel Shells as a Paleoclimate Proxy in Middle Tennessee: Potentials and Limitations.*
- Kara E. Phelps\*, Institute for Community Sustainability-Indiana State University, *Plastics leaching in Home Hydroponic Systems.*
- Matthew Meko\*, University of Alabama; Matthew Therrell, PhD, University of Alabama, *Tree-ring anatomical variability and flooding near the White River-Mississippi River confluence.*
- Crystal Edmonds\*, University of Michigan-Dearborn; Jacob Napieralski, University of Michigan-Dearborn, *Effect of root density on streambank stabilization in urban watersheds.*
- Yanni Cao\*, Pennsylvania State University, *The Effects of Climate Change on the Treeline of Denali National Park and Preserve.*
- Erin Glennie\*, Clark University; John Rogan, Clark University; Deborah Martin, Clark University, *Characterizing urban canopy cover and tree planting distribution in Worcester, MA.*
- Carolina Alejandra Rojas\*, Universidad De Concepción; Einer Sepúlveda, Universidad de Concepcion; Olga Barbosa, Universidad Austral; Carolina Martínez, Universidad de Concepción; Octavio Rojas, Universidad de Concepción, *Urban Patterns And Biodiversity In Urban Wetlands of Concepcion (Chile).*
- Tara Mazurczyk\*, Jess Fegley, *Bioregenerative Processes to Mitigate Marcellus Shale Related Spills.*
- Clayton J Whitesides\*, Coastal Carolina University; Ralph E Whitesides, Utah State University, *Musk thistle control in mountain environments.*
- Melanie Stine\*, University of Texas at San Antonio, *The Role of Landscape History on Stream Channel Mechanisms in Southern Appalachian Bogs.*
- Heli Lu\*, Yaochen QIN, *Addressing the Challenge in the Post-2012 Climate Regime through REDD+.*
- Robin M. Cobb\*, Louisiana State University; Kristine L DeLong, Louisiana State University; Julie N Richey, U.S. Geological Survey; Jennifer A Flannery, U.S. Geological Survey; J Harold Hudson, Reef Tech, Inc, *A Multicore Approach to Coral Sr/Ca-Temperature Reconstructions Using Montastraea faveolata Colonies in Veracruz, Mexico.*
- Xingming Hao\*, Xinjiang Institute of Ecology and Geography, Chinese academy of Sciences; Weihong Li, Xinjiang Institute of Ecology and geography, Chinese academy of Sciences, *Impacts of ecological water conveyance on groundwater dynamics and vegetation recovery in the lower reaches of the Tarim River in northwest China.*
- Lisa M. Kennedy, PhD\*, Virginia Tech; Jason L. McVay, MS, Virginia Tech; Rachael Lubitz, MS Candidate, Virginia Tech; Kam-biu Liu, PhD, Louisiana State University; Stephen J. Culver, PhD, East Carolina University, *Long-term Environmental History of Laguna Limón, Northeastern Dominican Republic.*
- Thomas Brussel\*, University of Wyoming; Thomas A. Minckley, University of Wyoming; Simon Brewer, University of Utah; Colin J Long, University of Wisconsin Oshkosh; Mitchell J Power, University of Utah, *Tracking the evolution of plant community flammability using paleoenvironmental data.*
- Yapeng Chen\*, Xinjiang Institute of Ecology and Geography, CAS; Yaning Chen, Xinjiang Institute of Ecology and Geography, CAS; Changchun Xu, School

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- of Resources and Environmental Science, Xinjiang University, *Water uptake of desert riparian species in a hyperarid region.*
- J H. Leaman\*, Villanova University, *Resilience in Chronic Food Insecure Areas in Ethiopia.*
- Xiaolei Yu\*, University of Saskatchewan; Xulin Guo, Dr., University of Saskatchewan; Zhaoxiong Wu, Dr., Wuhan University; Xiaojing Lu, University of Saskatchewan, *Effects of diffuse radiation on net ecosystem exchange and respiration in a typical maize-soybean cropping system.*
- Dusty Joel Pilkington\*, Central Washington University; Megan K. Walsh, Central Washington University, *High Resolution Macroscopic Charcoal Analysis of Green Lake, Eastern Cascades, Washington.*
- Lauren Somogyi\*, Northern Michigan University; Susy Ziegler, Dr., Northern Michigan University, *Reconstructing Forest History from Tree Rings.*
- Jaime Ann Teutschmann\*, University of Wisconsin-Platteville; Sara A Allen, BA, BS, University of Wisconsin-Platteville; Evan R Larson, PhD, University of Wisconsin-Platteville, *Ring anomalies in the Driftless Oaks: A proxy for extraordinary events?.*
- Allison R LeBlanc\*, Virginia Tech; Lisa M Kennedy, Virginia Tech, *Modern pollen from coasts and lowlands of the Dominican Republic.*
- Sally P. Horn\*, University of Tennessee; Joshua W. Albritton, University of Tennessee, *Soil Charcoal Evidence of Fire History from the Chirripó Páramo of Costa Rica.*
- James P. Doerner\*, University of Northern Colorado; Maria Caffrey, University of Colorado; Robert H. Brunswig, University of Northern Colorado, *Holocene Paleocology and Archaeology in North Park, Colorado.*
- Amber Gall\*, University of Western Ontario; Katrina Moser, University of Western Ontario, *Determining Mountain Lake Response to Changing Landscapes, Wildfire and Climate in Jasper National Park, Alberta (Canada).*
- Emily Collins\*, Colleen M. Garrity\*, SUNY-Geneseo, *Snowprints - Spatial Pattern Investigation of Western New York Snow Events.*
- Scott Curtis\*, East Carolina University; Doug Gamble, University of North Carolina - Wilmington, *The Summer-2014 Caribbean Drought: A Sign of Things to Come?.*
- Dale K. Splinter\*, University of Wisconsin-Whitewater; Ron C Chester, UW-Whitewater; Daniel C. Dauwalter, Trout Unlimited, *Streamflow Trends and Change Points in Wisconsin.*
- Yu Wang\*, University of Florida; Corene Matyas, University of Florida, *Detecting land surface processes influencing rainfall timing of Tropical Cyclones after landfall in United States from 1998 to 2010.*
- Ariane Middel\*, Arizona State University; Benjamin L Ruddell, Arizona State University; Kathrin Häb, University of Kaiserslautern, *Seasonal and diurnal desert microclimate dynamics of various shade tree and surface cover combinations.*
- Karen Zelzer\*, Missouri State University; Robert Pavlowsky, PhD, Advisor, *Recent shoreline erosion rates along the south coast of Jamaica.*
- Kyung In Huh\*, The Ohio State University; Bryan G Mark, The Ohio State University; Michel Baraer, École de technologie supérieure (ETS); Yushin Ahn, Michigan Technological University, *Evaluating glacier volume changes since the Little Ice Age maximum and consequences for stream flow by integrating models of glacier flow and hydrology in the Cordillera Blanca, Peru.*
- David J Spiering\*, SUNY - Buffalo; Chris PS Larsen, SUNY - Buffalo, *Spatial and temporal patterns of woody plant establishment in urban post-industrial ecosystems.*
- Thomas Wilding\*, *Assessing climate variability in California using pinyon pine tree rings.*
- John Eads\*, University of Wisconsin - Platteville; Christopher A Underwood, Lincoln Memorial University; Evan R Larson, University of Wisconsin - Platteville; J Elmo Rawling, Wisconsin Geological and Natural History Survey, *A virtual journey exploring potential sites for developing a paleoecological record for the Driftless Area of Wisconsin.*
- Katrina A Moser, Associate Professor\*, University of Western Ontario; Elizabeth J Hundey, University of Western Ontario; Shirley Ngai, University of Western University; Maria Eloisa Sia, University of Western University, *Environmental Reconstructions in the Uinta Mountains, UT: Insights into the Effects of Climate Change and Atmospheric Deposition.*
- Marcus M. Ramirez\*, Student, Department of Political Science, California State University, Fresno, United States; Mohan B. Dang, Ph.D., Assistant Professor, Department of Geography and City & Regional Planning, California State University, Fresno, United States; Kim F. Fernando, Student, Department of Geography and City & Regional Planning, California State University, Fresno, United States; Amelia R. Erlandsen, Student, Department of Geography and City & Regional Planning, California State University, Fresno, United States; Stephanie Ng, Student, Institute of the Environment and Sustainability, University of California, Los Angeles, United States, *Evaluation of Water Quality in San Joaquin River, California.*
- Cassie Jorgenson\*, University of Wisconsin - Platteville; Michelle Howard, University of Idaho, *Fine-scale temperature changes at U. S. Marine Protected Areas using 28 years of AVHRR Pathfinder SST data.*
- Haoyi Xiong\*, University of Iowa; Chris S. Renschler, University at Buffalo, *A New GIS Procedure to Delineate Variable Drainage Patterns for Landscape Soil Erosion Simulations.*
- Lauren Stachowiak\*, University of Tennessee; Henri Grissino-Mayer, University of Tennessee; Nicholas Nagle, University of Tennessee, *Bayesian Analysis of Fire Scars and Microtopography in a Pine Rockland Ecosystem, Big Pine Key, Florida, USA.*
- Jeffrey A. Lee\*, Texas Tech University; Linda Lea Jones, Texas Tech University, *Teaching Scientific Research to Non-Major Physical Geography Students with a Climate Change Exercise.*
- Tracy Hunter Allen\*, SUNY-Oneonta, *The Origin and Evolution of Virgin Gorda Island.*
- Dylan Alexander King\*, Mark W Bowen, Dr, University of Wisconsin Oshkosh; Dakota J Burt, *Distribution and Morphometry of Playa-Lunette Systems on the High Plains of Kansas.*
- Sara Ates\*, Louisiana State University, *Proxy Evidence of Potential Inaccuracies in Intensity Assessment of the 2013 El Reno Oklahoma Tornado.*
- Donald G. Sullivan\*, University of Denver; Ian A. Slayton, University of Denver, *Changing Climates, Changing Peatlands: Holocene Stratigraphy in Colorado Subalpine Fens.*
- Gil R. Ouellette\*, Louisiana State University; Kristine L. DeLong, Louisiana State University; K. Halimeda Kilbourne, Chesapeake Biological Laboratory, University of Maryland Center for Environmental Science; Frederick W. Taylor, Institute for Geophysics, Jackson School of Geosciences, University of Texas at Austin; Phedy Jean, Ministry of Agriculture, Natural Resources and Rural Development, Haiti, *Sea surface temperature variability inferred from coral Sr/Ca values extracted from microatolls from the Haitian coast.*
- Jennifer L. Burnham, Ph.D.\*, Augustana College; Kurt K. Burnham, D.Phil., High Arctic Institute; Matthew

## THURSDAY, APRIL 23 • POSTER SESSION

- Chumchal, Ph.D., Texas Christian University; Jeff Johnson, Ph.D., University of North Texas; Jeffrey Welker, Ph.D., University of Alaska - Anchorage, *Trophically Disparate Levels of Blood Mercury in Breeding Birds of Northwest Greenland*.
- Andrew P. Vitale\*, Desert Research Institute; Charles G. Morton, M.S., Desert Research Institute; Justin L. Huntington, Ph.D., Desert Research Institute; Forrest S. Melton, M.S., NASA Ames Research Center; Alberto Guzman, NASA Ames Research Center, *Seasonal Estimates of Field Scale Evapotranspiration for the Central Valley, California, USA*.
- Forrest Leanna Melvin\*, University of North Carolina - Wilmington; Audrey Taylor, University of North Carolina- Wilmington; Michael Benedetti, University of North Carolina- Wilmington; Jonathan Haws, University of Louisville, *Anthropogenic Sediment Markers in Caves and Rock Shelters*.
- Alfonso Fernandez\*, The Ohio State University; Bryan G Mark, The Ohio State University; Michael Durand, The Ohio State University; Sui Chang Pang, The Ohio State University; Sarah Laborde, The Ohio State University; Mark Moritz, The Ohio State University; Ian Hamilton, The Ohio State University, *Investigating DEM noise reduction and resolution in flood modeling: a case study based on the Logone Floodplain, Cameroon*.
- Tomoko Koyama\*, National Snow and Ice Data Center; Julienne Stroeve, National Snow and Ice Data Center, *Sea Ice Loss and Arctic Cyclone Activity from 1979 to 2013*.
- Hamed Gholizadeh\*, Indiana University; Scott M. Robeson, Indiana University, *Improving chlorophyll-a content estimation in open oceans using geographically weighted regression*.
- Matthew P Dannenberg\*, University of North Carolina at Chapel Hill; Conghe Song, University of North Carolina at Chapel Hill; Christopher R Hakkenberg, University of North Carolina at Chapel Hill; Qi Zhang, University of North Carolina at Chapel Hill, *An Improved Automatic Adaptive Signature Generalization (AASG) Algorithm for Land-Cover Classification of Landsat Image Time Series*.
- Kyle L. Landolt, B.S.\*, Department of Geography, University of Tennessee, Knoxville, TN 37996-0925 USA; Robert A. Washington-Allen, Ph.D., Department of Geography, University of Tennessee, Knoxville, TN 37996-0925 USA; Alfredo Delgado, M.S., Department of Soil & Crop Sciences, Texas A&M University, College Station, TX, 77843-2474, USA; Cameron Brademan, M.S., Department of Ecosystem Science & Management, Texas A&M University, College Station, TX, 77843-2138, USA; Maggie Wann, B.S., Department of Plant Pathology & Microbiology, Texas A&M University, College Station, TX, 77843-2132, USA; Deseri D. Nally, B.S., Department of Ecosystem Science & Management, Texas A&M University, College Station, TX, 77843-2138, USA; Richard Bruton, M.S., Department of Ecosystem Science & Management, Texas A&M University, College Station, TX, 77843-2138, USA; William Rogers, Ph.D., Department of Ecosystem Science & Management, Texas A&M University, College Station, TX, 77843-2138, USA, *Can Chinese Tallow distribution be reduced to certification levels within Greens Bayou Wetlands Mitigation Bank?*.
- Christina L. Lee\*, University of Nebraska - Omaha, *Modeling habitat suitability for invasive Tamarix spp. in the lower Owens River Valley of CA: Comparison of Landsat and MODIS derived EVI*.
- Igor Ogashawara, MSc\*, Indiana University - Purdue University At Indianapolis; Lin Li, PhD, Indiana University - Purdue University at Indianapolis; José Luiz Stech, Dr., National Institute for Space Research; Deepak R. Mishra, PhD, University of Georgia, *Assessing the variability in the specific absorption coefficient of phytoplankton through water type classification*.
- Linda R. Barrett\*, University of Akron, *Spatial Patterns of Soil Map Polygons in Glacial Landforms of Ohio and Michigan*.
- Azalea Judith Ortiz Rodríguez, MC\*, Universidad Autónoma de San Luis Potosí; Lorenzo Borselli, PhD, Universidad Autónoma de San Luis Potosí; Damiano Sarocchi, PhD, Universidad Autónoma de San Luis Potosí; Edgar Gregorio Leija Loredó, MC, Universidad Autónoma del Estado de Hidalgo, *Modeling of connectivity and lateral contribution of material in granular flow's dynamics in volcanic areas (Preliminary results)*.
- Scott M. Robeson\*, Indiana University; Ao Li, Indiana University; Chunfeng Huang, Indiana University, *Analyzing Point Patterns on the Sphere*.
- Eric Peterson\*, Illinois State University; Eileen Maxwell, Illinois State University - Department of Geography-Geology, *Influence of Constructed Wetlands on the Local Groundwater Flow Regime of a Riparian Zone*.
- Stephen G. Tsikalas, Ph.D.\*, Jacksonville State University; Payten Samuels, Jacksonville State University; Najeda L. Patolo, M.S., Jacksonville State University, *Water Chemistry and Bacteriology in Local Streams of Jacksonville, AL: An Analysis of the Influences of Total Monthly Precipitation and 24-hour Precipitation on Water Quality*.
- Woonsup Choi, University of Wisconsin-Milwaukee; Feng Pan\*, University of Wisconsin-Milwaukee, *Impacts of Climate Change on Hydrological Processes and Uncertainties from Climate Models in the Milwaukee River Basin, Wisconsin*.
- Darryl Carlyle-Moses\*, Thompson Rivers University; Chad E Lishman, Thompson Rivers University, *Temporal persistence of throughfall heterogeneity below and between the canopies of juvenile lodgepole pine (Pinus contorta)*.
- Amy L Cutter\*, Boise State University; Matthew F Bekker, Brigham Young University; Justin DeRose, Rocky Mountain Research Station - US Forest Service; James H Speer, Indiana State University; Jenny M Berg, Canadian Forest Service; Iuliia Andreicheck, University of Regina; Kara K.L. Costanza, University of Maine; Wayne P. Hall, University of Texas Austin; Chad B. King, University of Central Oklahoma; Audra N. Reagan, Davidson College; Alexander K. Stewart, St. Lawrence University; Nina M. Whitney, University of Maine, *410-Year Streamflow Reconstruction of the South Fork Shoshone River, Wyoming, USA*.
- Jonathan M. Duncan\*, UNC Chapel Hill; Lawrence E Band, University of North Carolina; Martin Doyle, Duke University, *Assessing the Sustainability of Biogeochemical Hotspots: Integrating Hydrologic, Geomorphic, and Land Use Legacy Data*.
- Erin Dorothea Dascher\*, Texas State University - San Marcos, *Assessment of Functional River Network Connectivity in Regionally Diverse Texas Watersheds*.
- Scott M. MacDonald\*, University of Missouri; David J. Spiering, University at Buffalo, SUNY; Christopher S. Lowry, PhD, University at Buffalo, SUNY, *Investigating hydrology in a post-industrial nature preserve*.
- Mackenzie Schoemann\*; E. Brendan Roark, Texas A&M University; Steward Fallon, The Australian National University; Les Kinsley, The Australian National University; Nancy Prouty, US Geological Survey, *Reconstructing Seawater pH, Carbonate ion Concentrations, and Nutrient Chemistry using Deep-sea Corals from Mid-Atlantic Canyons*.
- Jessica Hirsch\*, umkc; Caroline Davies, UMKC, *Investigation*

# THURSDAY, APRIL 23 • POSTER SESSION

- of cyclic laminations in sedimentary deposits from the Al-Azraq Basin, Jordan using non-destructive X-ray fluorescence (XRF).*
- Michael Edward Meadows, BSc Hons PhD FSSAG\*, University of Cape Town, *Methodological advances in Quaternary environment proxies: examples from southern Africa.*
- Katherine A. Rosa\*, Western Washington University; Holly Whitmore, Western Washington University, *One hundred years of vegetation succession in the Eliot Glacier Valley, Mount Hood, Oregon.*
- Jeffrey S. Smith\*, Kansas State University, *The Characteristics of a Microclimate Along the Rio Grande Gorge in North-central New Mexico.*
- Andrea MacLennan, Coastal Geologic Services; Jim Johannessen, Coastal Geologic Services; Hugh Shipman, Washington State Department of Ecology; Branden Rishel\*, Coastal Geologic Services, *Puget Sound Feeder Bluff Mapping: Compiling and Completing a Sound-Wide Geomorphic Dataset.*
- Edward Park\*, University of Texas Austin; Edgardo Latrubesse, University of Texas Austin, *Post-confluence surface water and sediment distribution patterns of the Solimões-Amazon and Negro Rivers: a remote sensing-based geomorphic study of surface patterns at the large rivers confluences.*
- Thomas Anthony Bianchette\*, Department of Oceanography and Coastal Sciences, Louisiana State University; Terrence A McCloskey, Department of Oceanography and Coastal Sciences, Louisiana State University; Kam-biu Liu, Department of Oceanography and Coastal Sciences, Louisiana State University, *A 7000-year history of environmental change from Mexico's Pacific Coast: A multi-proxy record from Laguna Mitla, Guerrero.*
- Evan Ellicott\*, University of Maryland - College Park; Ariane de Bremond, University of Maryland - College Park; Kuishuang Feng, University of Maryland - College Park; Klaus Hubacek, University of Maryland - College Park, *Large-Scale Land Acquisitions and Land Cover Change: Case Studies from Cambodia and Indonesia.*
- Zach Hilgendorf\*, University of Wisconsin-Eau Claire; Douglas Faulkner, PhD, University of Wisconsin-Eau Claire, *The Extent of Tributary Incision in Response to Knickpoint Migration on the Lower Chippewa River in West-Central Wisconsin.*
- Niki Ann Garland\*, EnSafe; Berry C. Brown, Director of Environmental Compliance, Tennessee Department of Transportation; Deborah Halcrow, EnSafe, Inc.; Mike Cramer, P.E., EnSafe, Inc., *Tennessee Department of Transportation Pollutant Loading Characterization Study.*
- Panshu Zhao\*, Texas A&M University--College Station, *Formalizing Concepts of Scale for Characterization and Mapping of Debris-Covered Glaciers in the Himalaya.*
- Yannick Y Rousseau\*, University of Western Ontario; Marco J Van de Wiel, University of Western Ontario; Pascale M Biron, Concordia University, *Simulating lateral channel adjustments in a meandering river channel using a holistic morphodynamic CFD model.*
- Kimberly M. Meitzen\*, Texas State University, *Reconstructing an Old-Growth Cypress Forest from Legacy Effects of Historic Logging.*
- Scott A. Drzyzga\*, Shippensburg University; William L Blewett, PhD, Shippensburg University; Laura Sherrod, PhD, Kutztown University; Hong Wang, Illinois State Geological Society, *Correlation of Relict Shoreline Features along Northern Michigan's Munising and Grand Marais Moraines with Glacial Lake Algonquin Water Planes.*
- Matthew Brueske\*, University of Wisconsin-Eau Claire; Hannah Adams, University of Wisconsin-Eau Claire; Nik Anderson, University of Wisconsin-Eau Claire; Dakota Dorn, University of Wisconsin-Eau Claire; Miles Hegg, University of Wisconsin-Eau Claire; Zach Hilgendorf, University of Wisconsin-Eau Claire; Alyssa Krantz, University of Wisconsin-Eau Claire; Cody Kroening, University of Wisconsin-Eau Claire; Sean Morrison, University of Wisconsin-Eau Claire; Patrick Thompson, University of Wisconsin-Eau Claire; Garry Running, PhD, University of Wisconsin-Eau Claire, *Planning Community Gardens: Soils and Slopes at the Priory, UW-Eau Claire, Wisconsin.*
- Michael P. Strager\*, West Virginia University; Nicolas Zegre, West Virginia University; William Toomey, WV Bureau for Public Health, *Hydrological Modeling for the Delineation of Surface Water Zones of Critical Concern.*
- Can Liu\*, Susquehanna River Basin Commission; John W. Balay, Susquehanna River Basin Commission; Zhenxing Zhang, Susquehanna River Basin Commission, *Evaluation of Reference Gage Determinations in the Susquehanna River Basin.*
- Jothiganesh Shanmugasundaram\*, West Virginia University; Eungul Lee, West Virginia University; Rahama Bieda, University of Oklahoma; Heather Basara, West Virginia University, *Spatial Analysis of Heat Waves over the Oklahoma Region.*
- Rudy Bartels\*, *Yearly and Seasonal Precipitation Day Patterns in Michigan.*
- Jean Carlos Colón Bergollo\*, Conservation Trust of Puerto Rico, *Citizen Science Project: Help understand Beach Geomorphology changes at two beach system in Culebra, Puerto Rico..*
- Glenn Griffith\*, USGS; James M. Omernik, USGS emeritus/volunteer, *Ecoregions of the Conterminous United States: Evolution and Applications of a Hierarchical Spatial Framework.*
- James T. Dietrich, Ph.D.\*, Dartmouth College; Jenna Duffin, University of Oregon, *High-resolution 3D topographic and bathymetric mapping for small streams using low-altitude aerial photography.*
- Cynthia Berlin\*, University of WI, *Wetland Vegetation Identification for the Upper Mississippi River.*
- Emily Mixon\*, University of Texas - Austin; Thoralf Meyer, PhD, The University of Texas at Austin, *A MODIS-based Examination of Annual Burnt Area and Photosynthetic Response to Seasonal Fire One Year Post Burn in Southern Africa's Miombo Woodland Belt.*
- Debasree Chatterjee-Dawn, PhD, Assistant Professor of Practice, North Dakota State University; Debasree Chatterjee-Dawn, PhD\*, North Dakota State University, *A Morphometric Analysis of Slope Failures: A comparative study on sedimentary and igneous bedrock lithology..*
- Nancy Westcott, PhD\*, Midwestern Regional Climate Center, *The United States 19th Century Weather Database.*
- Kevin Mulligan\*, Texas Tech University; Lucia Barbato, Texas Tech University; Santosh Seshadri, Texas Tech University, *Geography of the Ogallala Aquifer: Connecting the Late Miocene and Modern Landscapes of West Texas.*
- Daniel Crawford\*, University of Minnesota; Kurt Kipfmüller, University of Minnesota, *A False Ring Chronology of Red Pine (Pinus resinosa) in Superior National Forest, MN.*
- Elisabeth Levac, PhD\*, Bishop's University; Mike CFM Lewis, PhD, Geological Survey of Canada Atlantic, *Dinoflagellate Cyst Assemblages in Marine Cores from the Laurentian Channel Show Evidence of Meltwater Drainage at the Time of the Younger Dryas.*
- Xiaojing Lu\*, University of Saskatchewan, *West Nile virus*

# THURSDAY, APRIL 23 • POSTER SESSION

*occurrence study in Saskatchewan.*

Claire A Forgacs\*, Department of Geography, University of Kansas; William C Johnson, Ph.D, Department of Geography, University of Kansas; Tammy M Rittenour, Ph.D, Department of Geology, Utah State University; Paul R Hanson, Ph.D, School of Natural Resources, University of Nebraska-Lincoln, *Testing the potential use of a post-IR IRSL protocol to date central Alaskan dunes.*

Julianna Skutai, Dr, Szent István University, Gödöllo, Hungary, Europe; Dániel Molnár, Szent István University, Gödöllo, Hungary, Europe; Viktor Grónás, Dr., Szent István University, Gödöllo, Hungary, Europe; Gábor Ónodi, Dr., Szent István University, Gödöllo, Hungary, Europe; Katalin Balázs, Dr. \*, Szent István University, Gödöllo, Hungary, Europe, *Delineation of High Nature Value Ares in Hungary.*

Renée C. Elder\*, Arizona State University, *Assessing regional climate model ability to reproduce climate in the Southern Caribbean.*

Csaba Centeri\*, Szent Istvan University; Katalin Balázs, Szent István University; Péter Tóth, Szent István University; László Podmaniczky, Szent István University; Paulina Jancsovszka, Szent István University, *Analyses of public goods as indicators in the evaluation environmental impacts of rural development measures: the case of soil quality and biodiversity wildlife in Hungary.*

Linah Ababneh, Ph.D.\*, Department of Classics, Cornell Dendrochronology Laboratory, Cornell Institute of Archaeology and Material Studies (CIAM), Cornell University, Ithaca, NY; Kathryn Gleason, Ph.D., School of Landscape Architecture, Cornell Institute of Archaeology and Material Studies (CIAM), Cornell University, Ithaca, NY; Vaughn Bryant, Ph.D., Palynology Laboratory Department of Anthropology Texas A&M University, College Station, TX; Nils Niemeier, Department of Classics, Cornell Dendrochronology Laboratory, Cornell Institute of Archaeology and Material Studies (CIAM), Cornell University, Ithaca, NY, *Palynology of two ancient Mediterranean garden sites from the 1st century B.C.E.-1st century C.E..*

Fredrika Louise Loew\*, Cornell Institute of Archaeology and Material Studies, Cornell University; Linah Ababneh, PhD, Cornell Dendrochronology Laboratory, Cornell University, *Chemical analysis of a legal document on a petrified reed: provenance and trading routes connection?.*



**THURSDAY, APRIL 23 • 8:00 AM - 9:40 AM • 3100**

- 3101. Safeguarding the Cultural Heritage of Syria and Iraq (Sponsored by Middle East Specialty Group, Cultural Geography Specialty Group)**  
**Room:** Skyway 260, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Susan Wolfinbarger, American Association for the Advancement of Science  
 CHAIR(S): Susan Wolfinbarger, American Association for the Advancement of Science  
 Introducer: Susan Wolfinbarger  
 Panelists: Susan Wolfinbarger, American Association for the Advancement of Science; Katharyn Hanson; Brian I. Daniels, University of Pennsylvania Museum; Patty Gerstenblith, DePaul University College of Law
- 3102. Equity Challenges in Urban Transport and Housing (Sponsored by Transportation Geography Specialty Group)**  
**Room:** Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Deborah Salon, Arizona State University  
 CHAIR(S): Deborah Salon, Arizona State University  
**8:00** Deborah Salon, PhD\*, Arizona State University; Evelyn Blumenberg, PhD, University of California, Los Angeles; Trevor Thomas, University of California, Los Angeles; Jeffrey Williams, PhD, University of California, Davis; Jahalee Lee Tuil, University of California, Davis, *A Spatial Analysis of Housing and Transportation Affordability in Los Angeles County*.  
**8:20** Jieun Lee, PhD\*, Hunter College-CUNY; Igor Vojnovic, PhD, Michigan State University, *'Transportation Disadvantaged': Urban Built Environment and Gendered Travel Behavior in the Detroit Metropolitan Region*.  
**8:40** Sara McLafferty\*, University of Illinois; Valerie A. Preston\*, York University, *Geographies of Advantage: Gender, Race, and Access to Work in a Neoliberal Era*.  
**9:00** Yuting Hou\*, University of Southern California, *Traffic Congestion, Accessibility to Employment and Housing Prices--A study of single-family housing market in Los Angeles County*.
- 3105. Revisiting Entrepreneurialism: the logics of urban governance in systemic crisis (1) (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**  
**Room:** Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): John Lauermann, Clark University; Mark Davidson, Clark University  
 CHAIR(S): Mark Davidson, Clark University  
**8:00** Aksel Ersoy\*, University of Bristol, *Co-producing Entrepreneurialism: Beneath the City, a Co-exist?*.  
**8:20** Antoine Paccoud\*, London School of Economics, *Badiou's state revolutionary: theorising events beyond protest*.  
**8:40** David Wachsmuth\*, University of British Columbia, *Urban Entrepreneurialism in an Era of Growth Coalition Instability*.  
**9:00** John Lauermann\*, Clark University, *Proactive urbanism: entrepreneurialism, opportunistically deployed*.
- 3106. Better than text? Exploring the opportunities for and practicalities of visceral methodologies in human geography research (Sponsored by Qualitative Research Specialty Group)**  
**Room:** Skyway 273, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Alexandra Sexton, King's College London  
 CHAIR(S): Alexandra Sexton, King's College London  
 Discussant(s): James N. Ash, Newcastle University; Robyn Longhurst, University of Waikato  
 Panelists: Mara Miele, Cardiff University; Allison Hayes-Conroy, Temple University; Elizabeth L. Sweet, Temple University
- 3108. (Im)mobilities in the city - creating knowledge for planning cities in the Global South and postcolonial cities**  
**Room:** Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Cathrine Brun, Norwegian University of Science and Technology; Tanu Priya Uteng, Institute of Transport Economics  
 CHAIR(S): Tanu Priya Uteng, Institute of Transport Economics  
**8:00** Tanu Priya Uteng, PhD\*, Institute of Transport Economics, *Mobilities - a layered story from the city of Delhi*.  
**8:20** Mariela Gaete Reyes\*, Universidad De Chile, *Disability and mobility frictions in the city*.  
**8:40** Tucker J. Landesman\*, London School of Economics, *Soaring above the favela: gondola transport, the politics of mobility, and "favela integration" in Rio de Janeiro*.  
**9:00** Emma Street\*, University of Reading; Philip Black, University of Reading, *Policy styles in planning for active urban mobility: Tracing knowledges between Bogota and Seville*.
- 3109. Distance as Cultural Category in Ashkenaz**  
**Room:** Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): David Neal Miller, The Ohio State University  
 CHAIR(S): David Neal Miller, The Ohio State University
- 3110. Global change in geography education**  
**Room:** Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Sandra Sprenger, University of Hamburg  
 CHAIR(S): Sandra Sprenger, University of Hamburg  
 Introducer: Sandra Sprenger  
**8:05** Sabrina Flake\*, Ruhr-Universität Bochum, *Implications and suggestions for authenticity in climatology-focused geography lessons*.  
**8:25** Carina Peter\*, PH-Heidelberg, Germany, *Scientific methods in geography education. Experimentation and modeling in comparison..*  
**8:45** Janis Fögele\*, *Further Development of Teachers' Beliefs in Symbiotic Teacher Trainings*.  
**9:05** Sascha Haffer\*, Giessen University, *Acquisition of ESD-specific professional competence by podcasting - a best practice example with student teachers*.  
**9:25** Sandra Sprenger\*, University of Hamburg, *Global change and education for sustainable development (ESD) in geography education in Germany*.
- 3111. Macrosystems Invasion Ecology I**  
**Room:** Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Songlin Fei, Purdue University  
 CHAIR(S): Songlin Fei, Purdue University  
**8:00** Songlin Fei\*, Purdue University, *Predicting Regional Invasion Dynamic Processes (PRIDE)*.  
**8:20** Basil V. Iannone III, Ph.D.\*, Purdue University, Department of Forestry and Natural Resources; Kevin M. Potter, Ph.D., North Carolina State University, Department of Forestry and Environmental Resources; Hao Zhang, Ph.D., Purdue University, Department of Statistics and Department of Forestry and Natural Resources; Christopher Oswalt, Ph.D., USDA Forest Service Southern Research Station; Songlin Fei, Ph.D., Purdue University, Department of Forestry and Natural Resources, *Key invasion relationships are contingent on scale and sub-regional ecological context: a North American forest case study*.  
**8:40** Teresa Clark\*, Purdue University; Songlin Fei, Purdue University, *The Plants That Ate My Map: Trait Specific Distributions of Invasive Plants, Two Centuries of Expansion*.  
**9:00** Qinfeng Guo\*, USDA FS; Songlin Fei, Purdue University; Basil Iannone III, Purdue University; Kevin Potter, North Carolina State University; Chris Oswalt, USFS, *Species invasions: global patterns and regional differences*.

# THURSDAY, APRIL 23 • 8:00 AM - 9:40 AM • 3100

**9:20** Kevin Potter\*, North Carolina State University; Christopher Oswalt, PhD, USDA Forest Service; Basil Iannone, PhD, Purdue University; Songlin Fei, PhD, Purdue University; Sonja Oswalt, USDA Forest Service; Qinfeng Guo, PhD, USDA Forest Service, *Forest tree biodiversity: An indicator of invasive plant success in the Southeastern United States*.

**3113. Beyond the Ivory Tower B: Preparing Geographers for Government and Nonprofit Careers (Sponsored by AAG Jobs and Careers Theme, Applied Geography Specialty Group)**

**Room:** Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)  
**ORGANIZER(S):** Mark Revell, Association of American Geographers - Washington, DC  
**CHAIR(S):** Michael N. Solem, Association of American Geographers  
**Discussant(s):** Michael R. Ratcliffe, U.S. Bureau Of the Census; Heather R. Houlton, American Geosciences Institute; Paul N. McDaniel, American Immigration Council; Lucy Stanfield, US Environmental Protection Agency; Lowry Taylor, U.S. Department of State; John Cromartie, USDA

**3114. Creating a Geography Buzz: Innovative ways to promote geography (Sponsored by AAG Jobs and Careers Theme, Geography Education Specialty Group, Community College Affinity Group)**

**Room:** Columbus CD, Hyatt, East Tower, Gold Level (Panel Session)  
**ORGANIZER(S):** Jacqueline A. Housel, Sinclair Community College; Sarah Goggin, Cypress College  
**CHAIR(S):** Jacqueline A. Housel, Sinclair Community College  
**Introducer:** Jacqueline A. Housel  
**Panelists:** Veronica Hotton, Simon Fraser University; Derek France, University of Chester; Melvin Arthur Johnson, University of Wisconsin-Manitowoc; Rebecca Theobald, University of Colorado Colorado Springs; Jeroen Wagendorp, Grand Valley State University; Niem Huynh, Association of American Geographers

**3115. Civic technology: governance, equity and inclusion considerations**

**Room:** Columbus EF, Hyatt, East Tower, Gold Level (Panel Session)  
**ORGANIZER(S):** Pamela Jean Robinson, Ryerson University  
**CHAIR(S):** Pamela Jean Robinson, Ryerson University  
**Discussant(s):** Betsy Donald, Queen's University  
**Panelists:** Peter A. Johnson, University of Waterloo; Teresa Scassa, University of Ottawa; Pamela Jean Robinson, Ryerson University; Jon Corbett, University of British Columbia-Okanagan

**3116. The Urban Political at a Time of Late Neoliberalism I: Theorizing the Urban Political (Sponsored by Cultural Geography Specialty Group)**

**Room:** Columbus G, Hyatt, East Tower, Gold Level (Paper Session)  
**ORGANIZER(S):** Theresa Erin Enright, University of Toronto; Ugo Rossi  
**CHAIR(S):** Theresa Erin Enright, University of Toronto  
**8:00** Theresa Erin Enright\*, University of Toronto; Ugo Rossi\*, Università di Torino, *Rethinking the Urban Political in Late Neoliberal Societies*.  
**8:20** Enrico Gualini, Prof. Dr.\*, Technische Universität Berlin - Berlin University of Technology, *Contention, mobilization and conflict in (un-)making of the urban order: in search of the political in 'late neoliberalism'*.  
**8:40** Oli Mould\*, Royal Holloway, University of London, *Function, minority and the event: Towards an urban politics of subversive creativity*.  
**9:00** Peter Lindner\*, Goethe-University, Frankfurt, *Creative Policies: Conserving the Urban Political in a Market Assemblage?*.  
**9:20** Justin Beaumont\*, University of Groningen; Zemiattin Yildiz, University of Groningen, *Creating space for the*

*urban political*.

**3117. Reinventing Geographies of Science 1: Theorizing Science through Space, Place, & Scale (Sponsored by Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)**

**Room:** Columbus H, Hyatt, East Tower, Gold Level (Paper Session)  
**ORGANIZER(S):** Jake Fleming, University of Wisconsin - Madison; Elizabeth Hennessy, University of Wisconsin - Madison; Mark H Cooper, University of Wisconsin-Madison  
**CHAIR(S):** Mark H Cooper, University of Wisconsin-Madison  
**8:00** Jake Fleming\*, University of Wisconsin - Madison, *Experimentalism everywhere: the geography of proletarian science*.  
**8:20** Jennifer Baca\*, UC Berkeley Geography, *Liberating Forestry: Constructing a 'Third Space' of Forestry Knowledge in Southern Chile*.  
**8:40** Claude Peloquin\*, University of Arizona, *Locust Science and the Spaces of Development Expertise*.  
**9:00** Bilal Butt\*, University of Michigan; Ginger Allington, University of Michigan, *Degrees of Freedom and the Politics of Arid Rangelands: Enclosures and Inference in the Geographies of Science*.  
**Discussant(s):** Rebecca Lave, Indiana University

**3118. Conflict in Kenya: An Environmental Study**

**Room:** Columbus JJ, Hyatt, East Tower, Gold Level (Paper Session)  
**ORGANIZER(S):** Melissa J. Tolene Rura, United Methodist Neighborhood Centers of Memphis  
**CHAIR(S):** Andrew Linke, University of Colorado  
**8:00** Andrew Martin Linke\*, University of Colorado, *The incumbency incentive: Relative and absolute contextual explanations for Kenyan election violence*.  
**8:20** Janpeter Schilling\*, University of Hamburg / International Alert; Janani Vivekananda, International Alert; Jürgen Scheffran, University of Hamburg, *Oil for Opportunities or Fuel for Fights: Implications of Oil Exploration for Violent Conflicts and Pastoral Livelihoods in North-western Kenya*.  
**8:40** Juliet Kariuki\*, University of Hohenheim; International Livestock Research Institute (IRLI); Susan Chomba, World Agroforestry Centre (ICRAF), *Winners and Losers: Application of the Politicised Institutional Analysis Framework to Market-based Conservation Schemes in Kenya*.  
**9:00** John V. O'Loughlin\*, University of Colorado, *Environmental Change and Conflict in Kenya: Perceived and Measured Drought Effects on Sense of Personal Insecurity and Violent Beliefs*.

**3119. Symposium on Space-time Behavior and Planning in Urban China I (Sponsored by China Specialty Group, Urban Geography Specialty Group)**

**Room:** Columbus KL, Hyatt, East Tower, Gold Level (Paper Session)  
**ORGANIZER(S):** Mei-Po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University; Yue Shen, East China Normal University  
**CHAIR(S):** Donggen Wang, Hong Kong Baptist University  
**8:00** Yanwei Chai\*, Peking University; Mei-Po Kwan, University of Illinois, at Urbana-Champaign, *The Interaction between Urban Space and Space-time Behavior: A Theoretical Framework*.  
**8:20** Zhou Suhong\*, China 510275, *Spatial mismatch in post economic reform urban China: Case study of the relocated state-owned enterprises in Guangzhou*.  
**8:40** Yue Shen\*, East China Normal University; Mei-po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University, *Gender and Space-time Constraints of Daily Activities: A Sino-US Comparative Study*.  
**9:00** Yanwei Chai, Peking University; Zifeng Chen\*, Peking

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University, *Smart-travel planning based on space-time behavior research: A case study in Beijing, China.*

- 9:20** Zhen Feng\*, College of Architecture and Urban Planning, Nanjing University, Nanjing, Jiangsu, China, *Change of Urban Social Space in the E-society: A Case Study of Nanjing.*

**3120. The Extended Metropolis in Asia: Reconsidering the Ginsburg/McGee Thesis 25 Years Later (Sponsored by China Specialty Group, Asian Geography Specialty Group)**

**Room:** *Grand A, Hyatt, East Tower, Gold Level* (Interactive Short Paper Session)

ORGANIZER(S): Clifton W. Pannell, University of Georgia  
CHAIR(S): Gil Latz, Indiana University-Purdue University Indianapolis

- 8:00** Yue Man Yeung\*, Chinese University of Hong Kong; Yue Man Yeung, Chinese University of Hong Kong; Yue-man Yeung, Chinese University of Hong Kong, *The Emerging Hong Kong-Shenzhen Metropolis.*

Introducer: Clifton W. Pannell

- 8:10** Joseph Bevan Whitney\*, University of Toronto, *Possible Impacts of the hukou Registration System and Global Recycling Industries on the Extended Metropolis in China.*

- 8:15** Gil Latz, Ph.D.\*, Indiana University-Purdue University Indianapolis, *Ginsburg and The Pattern of Asia.*

Discussant(s): George C.S. Lin, University of Hong Kong; Alexander B. Murphy, University of Oregon; Gregory Veeck, Western Michigan University

**3121. Mapping and Knowing the City: Emotional Cartographies (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Cartography Specialty Group)**

**Room:** *Grand B, Hyatt, East Tower, Gold Level* (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Stefano Bloch, Brown University

- 8:00** Stefano Bloch, Ph.D.\*, Brown University, Urban Studies Program and the Cogut Center for the Humanities, *Place-based Elicitation: Conducting Interviews with Graffiti Writers at the Site of Production..*

- 8:20** Mathieu Labrie\*, Institut national de la recherche scientifique UCS, *Feeling the city : emotions and political action in Montreal.*

- 8:40** Mitchell Snider, MA\*, University of Kentucky, *Moving encounters: Latino perspectives on belonging in East Boston.*

- 9:00** Maria Panaccione\*, Ohio University, *Mapping fear: Using participatory mapping for an intersectional analysis of university students' spaces of fear.*

- 9:20** George Juszynski\*, Western Washington University, *Case study of therapeutic landscapes using QGIS and Sketch Maps.*

**3122. Symposium on Physical Geography: Environmental Reconstruction I (Sponsored by Symposium on Physical Geography Theme)**

**Room:** *Grand C/D North, Hyatt, East Tower, Gold Level* (Paper Session)

ORGANIZER(S): Julie Winkler, Michigan State University;

Richard A. Marston, Kansas State University; Carol P. Harden, University of Tennessee

CHAIR(S): Carol P. Harden, University of Tennessee

- 8:00** Johannes J. Feddema\*, University of Kansas, *Modeling the Anthropocene: Potential contributions from Physical Geographers.*

- 8:20** Melinda D. Daniels, PhD\*, Stroud Water Research Center; Claire Ruffing, Kansas State University; Bryce Marston, Kansas State University; Lindsey Albertson, PhD, Stroud Water Research Center, *Reconstructing River and Watershed Restoration: Physical Geography and a New Restoration Design Science.*

- 8:40** Markus Stoffel\*, University of Berne, *Mass movements from periglacial environments: Studying tree rings*

*to put the impacts of current climate warming into perspective.*

A special event for the 2015 AAG Annual Meeting is an all-day Symposium on Physical Geography scheduled for Thursday, April 23. The overall goal of the symposium is to facilitate and enhance dialog among physical geographers on emerging developments, challenges, and approaches related to physical geography. An additional goal is to experiment with alternative formats for physical geography sessions at future AAG annual meetings. Broadly defined, environmental reconstruction involves the study of past climates, landscapes, and biological systems, along with the reclamation of altered environments. This integrative research theme cuts across the many facets of physical geography.

**3125. "New Bible Research Thrusts and Old Questions Probed" (Sponsored by Bible Geography Specialty Group)**

**Room:** *Grand Suite 2 AB, Hyatt, East Tower, Gold Level* (Paper Session)

ORGANIZER(S): William A. Dando, Indiana State University  
CHAIR(S): Victoria O. Alapo, Metropolitan Community College

- 8:00** William A. Dando\*, Indiana State University, *"Herod's Ambitions, Roman Food Plundering, Dietary Changes, Nutritional Diseases, and Miracle Healings".*

- 8:20** Bruce R. Crew, Ph.D.\*, Independent Scholar, *Revisited: The Bible within the Context of Historical Geo-Political Power Cores in the Levant..*

- 8:40** Dorothy Drummond\*, Indiana State University, *The Obscured Nestorian Presence in Asia.*

- 9:00** Janet H. Gritzner\*, South Dakota State University, *Onagers and Ostriches: Biblical Fauna Reintroductions to the Negev.*

- 9:20** Victoria Alapo\*, Metropolitan Community College, Omaha, NE, *The Spatial Organization of Pre-Colonial African Kingdoms: A Study in Contrasts, Using the Empires of Ethiopia & Mali as Case Studies..*

**3126. Authors Meet Critics: Weaponizing Maps**

**Room:** *Grand Suite 3, Hyatt, East Tower, Gold Level* (Panel Session)

ORGANIZER(S): Alvaro Reyes

CHAIR(S): Alvaro Reyes

Discussant(s): Aaron Bobrow-Strain, Whitman College; Alvaro Reyes; Jeremy Crampton, University of Kentucky; Joseph H. Bryan, Department of Geography, University of Colorado, Boulder; Denis Wood

**3127. CyberGIS Symposium: Developing CyberGIS Architectures for Collaborative Problem Solving (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**

**Room:** *Grand Suite 5, Hyatt, East Tower, Gold Level* (Panel Session)

ORGANIZER(S): Timothy L. Nyerges, University of Washington

CHAIR(S): Timothy L. Nyerges, University of Washington

Introducer: Timothy L. Nyerges

Discussant(s): Shaowen Wang, University of Illinois at Urbana-Champaign

Panelists: Mary Roderick, University of Washington; George Percivall, Open Geospatial Consortium; Daniel Goldberg, Texas A&M University; Chaowei Yang, George Mason University

**3128. Human Dynamics in the Mobile Age IV (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

**Room:** *Plaza A, Hyatt, East Tower, Green Level* (Paper Session)

ORGANIZER(S): Xinyue Ye, Kent State University; Ming-Hsiang Tsou, San Diego State University; Edwin Chow, Texas State University

CHAIR(S): Shih-Lung Shaw, University of Tennessee

- 8:00** Yang Xu\*, University of Tennessee, Knoxville; Shih-Lung Shaw, University of Tennessee, Knoxville; Ziliang

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Zhao, University of Tennessee, Knoxville; Ling Yin, Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences; Jie Chen, State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Feng Lu, State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, *A Tale of Two Cities - Understanding Human Mobility Patterns using Actively Tracked Cellphone Location Data*.

**8:20** Ziliang Zhao\*, University of Tennessee, Knoxville; Shih-Lung Shaw, PhD, University of Tennessee, Knoxville; Yang Xu, University of Tennessee, Knoxville; Ling Yin, PhD, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, *Three mirrors of urban dynamics: a comparison of urban population flows derived from three tracking datasets*.

**8:40** Jiaoli Chen\*, University of Tennessee; Shih-Lung Shaw, Ph.D., University of Tennessee; Qingquan Li, Ph.D., Shenzhen University; Zhixiang Fang, Ph.D., Wuhan University; Yuguang Li, Ph.D., Wuhan University, *Where and When Similar Taxi Trajectories Are in A City*.

**9:00** Shiwei LU\*, Wuhan University; Zhixiang FANG, Wuhan University; Shih-Lung SHAW, University of Tennessee; Ling YIN, Chinese Academy of Sciences, *Using Mobile Phone Tracking Data to Improve the Accuracy of Estimated Flow Volumes and Directions for Huff's Model*.

**9:20** Shih-Lung Shaw, Dr.\*, Department of Geography, University of Tennessee; Shiwei Lu, State Key Laboratory for Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University; Zhixiang Fang, Dr., State Key Laboratory for Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, *How Big is Big Enough in the Big Data Era - A Case Study of Spatial Interaction Model*.

## 3129. Spaces of the Geosocial: Transnational Topologies and Topographies I

**Room:** Plaza B, Hyatt, East Tower, Green Level (Paper Session)  
ORGANIZER(S): Katharyne Mitchell, University of Washington; Kirsi Pauliina Kallio, University of Tampere  
CHAIR(S): Kathrin Hörschelmann, Leibniz-Institute for Regional Geography

Introducer: Katharyne Mitchell

**8:10** Elaine Lynn-Ee Ho, Dr\*, National University of Singapore, *The geo-social relations constituting the urban aspirations of African student migration in China*.

**8:30** Isa L. Peña, Willamette University; Megan Ybarra\*, University of Washington, *Geosocial Imaginaries of Transnational Children and Everyday Families Across Borders*.

**8:50** Patricia Ehrkamp\*, University of Kentucky; Helga Leitner, UCLA, *Geosocial and geopolitics: Proximity and neighborliness across transnational space - observations from Germany and the U.S.*

**9:10** Alison Mountz\*, Wilfrid Laurier University, *Islands within islands, islands beyond islands: mapping the topological border as proliferating spaces of confinement*.

Discussant(s): Kirsi Pauliina Kallio, University of Tampere

## 3130. Families and Geographic Research in the Study of Political Violence

**Room:** Soldier Field, Hyatt, West Tower, Bronze Level (Panel Session)  
ORGANIZER(S): Kevin M. DeJesus, Johnson and Wales University  
CHAIR(S): Kevin M. DeJesus, Johnson and Wales University

## 3131. History of Geography: Trends and Trailblazers I (Sponsored by Geographic Perspectives on Women Specialty Group, History of Geography Specialty Group)

**Room:** Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Dorothy Sack, Ohio University  
CHAIR(S): James F. Petersen, Texas State University

**8:00** Charles W.J. Withers\*, University of Edinburgh, *America's Prime Meridians: An Historical Geography of Science and National Identity, c.1784-c.1884*.

**8:20** Matt Dyce\*, The University of Winnipeg, *Confronted by Vision: Images, Knowledge, and the New Geography*.

**8:40** Frederick E. Nelson\*, Michigan State University, *"The World's Most Enterprising Woman Explorer": The Louise Arner Boyd Expeditions of the American Geographical Society*.

**9:00** David H. Kaplan\*, Kent State University; Jennifer Mapes, Kent State University, *Tracking the growth of women in geography through doctoral dissertations*.

**9:20** David R. Rain\*, The George Washington University; Robert Mulvaney, Washington DC, *The Genesis of Geospatial Technology from a Patent Perspective*.

## 3132. Immigration and Law, Migrant Activism, 'Citizenship after Orientalism' (Sponsored by Population Specialty Group, Socialist and Critical Geography Specialty Group, Sexuality and Space Specialty Group)

**Room:** Comiskey, Hyatt, West Tower, Bronze Level (Panel Session)

ORGANIZER(S): Sutapa Chattopadhyay, UNU-Merit & Maastricht University; Pierpaolo Mudu, University of Washington - Tacoma

CHAIR(S): James A. Tyner, Kent State University

Discussant(s): Leif Johnson; Harald Bauder, Ryerson University; Pierpaolo Mudu, University of Washington - Tacoma; Sutapa Chattopadhyay, UNU-Merit & Maastricht University

## 3133. Bringing Together Geospatial Technologies and the Humanities (Sponsored by GeoHumanities Theme)

**Room:** Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): GeoHumanities

CHAIR(S): John Andrew Schembri, University

**8:00** Trevor M. Harris\*, West Virginia University, *Deep mapping the humanities*.

**8:20** Andrew Tappenden\*, The King's University, *Interdisciplinary GIS: Development Challenges and Potential Solutions*.

**8:40** Jonathan C Martin, Ph.D Candidate, School of Earth and Environment\*, University of Western Australia, *The case for an Evolutionary Historical Geography*.

**9:00** John Andrew Schembri\*, University; John Andrew Schembri, Professor, University of Malta; Maria Attard, Professor, Department of Geography, University of Malta; Ritiene Gauci, Department of Geography, University of Malta, *Applying a GeoHumanities interpretation to Maltese place-name nomenclature*.

## 3135. Making Other Worlds Possible X: Diverse Economies Inside and Outside the Academy (Sponsored by Cultural Geography Specialty Group, Economic Geography Specialty Group)

**Room:** Picasso, Hyatt, West Tower, Bronze Level (Panel Session)

ORGANIZER(S): Lindsay Naylor

CHAIR(S): Katharine Mckinnon, Macquarie University

Panelists: Elizabeth S. Barron, University of Wisconsin - Oshkosh; Katherine Gibson, University of Western Sydney; Philip Kelly, York University; Lindsay Naylor; Kevin St. Martin, Rutgers University

## 3136. Ribbons of Green: Historical Geographies of Rivers, Cities and Parks (Sponsored by Regional Development and Planning Specialty Group, Water Resources Specialty Group)

**Room:** Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)

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ORGANIZER(S): Michael Philip Ferber, The King's University;  
Shannon Stundén Bower, University of Alberta;  
Andrew Tappenden, The King's University

CHAIR(S): Michael Philip Ferber, The King's University

**8:00** Shannon Stundén Bower\*, University of Alberta, *Park Landscape Versus Transportation Infrastructure: Debating How To Use Mackinnon Ravine In Edmonton, AB, 1960s-1980s.*

**8:20** Eileen Johnson\*, Bowdoin College; Kathleen P Bell, Associate Professor, School of Economics, University of Maine; Jessica Leahy, Associate Professor, School of Forest Resources, University of Maine, *The Changing Landscape of Maine's Urban River Communities.*

**8:40** Katie Wallbaum\*, University of Alberta, *It Should Be Parkland: The struggle to maintain Edmonton's Riverdale neighbourhood in light of parkland development.*

**9:00** Michael Stone\*, The King's University; William Van Arragon, PhD, The King's University, *The Environmental History of Coal Mining in Edmonton's River Valley.*

**9:20** Michael P. Ferber\*, The King's University, *Edmonton's River Valley in Big History.*

**3137. Geographies of Food, Agriculture, and Sustainability Illustrated Papers (Sponsored by Geographies of Food and Agriculture Specialty Group)**

*Room:* Wrigley, Hyatt, West Tower, Bronze Level (Illustrated Paper Session)

ORGANIZER(S): Daniel R. Block, Chicago State University; Katia R. Aviles-Vazquez, University of Texas - Austin

CHAIR(S): Xiang Chen, Arkansas Tech University

**8:00** Jessica Norriss\*, University of Texas - Austin, *Money for Monos: The impact of PES in Costa Rica.*

**8:10** Kin M. Ma\*, Grand Valley State University; Mark E Whalon, Michigan State University, *IKONOS image object-oriented analyses of 2011 Northern Michigan cherry orchard yields with advanced geospatial techniques.*

**8:20** Quanfeng Li\*, School of Public Administration, China University of Geosciences; shougeng Hu, School of Public Administration, China University of Geosciences, *Evaluation comprehensive benefits of arable land with traditional and modern agricultural patterns in main crop production area: A case study in Fujin city, Heilongjiang province, China.*

**8:30** Elizabeth Edna Wangui, PhD\*, Ohio University, *Irrigation as a climate change adaptation strategy: gendered implications for Masai pastoralists in Tanzania.*

**8:40** Amelia C. Sosnowski\*, University of North Carolina Wilmington; Narcisa G. Pricope, PhD, University of North Carolina Wilmington, *Congruence of Pastoralism and Biodiversity in a Socio-Environmental Context within Ethiopian National Parks.*

**8:50** Asia Leah Dowtin\*, University of Delaware, *Assessing the Hydrological Ecosystem Services of Metropolitan Wilmington, DE's Urban Forest: Initial Findings from in-situ Observations.*

**9:00** Susan Malaso Kotikot\*, University of Alabama in Huntsville, *Application of Digital Elevation Models in Sustainable Landscape design for building long term local resilience against flood risk, case of Narok town, Kenya.*

**9:10** Karuna Paudel\*, Saint Cloud State University, *An Assessment of Mechanism of Payment for Ecosystem Services of the Phewa Watershed, Nepal.*

**9:20** Hao Wang\*, Central University of Finance and Economics; Xing Wang, China Coal Information Institute; Wei Zheng, The Hong Kong Polytechnic University, *A GIS-based approach to land rezoning in sustainable urban renewal.*

**9:30** Bernadette Arakwiye\*, Clark University; Mandy Gaudreau, Clark University; Florencia Sangermano, Clark University, *Assessing reforestation efforts and potential restoration areas in Gishwati region, Rwanda.*

**3138. Weather, Climate, and Health I: Spatial and Temporal Dimensions of Risk (Sponsored by International Geospatial Health Research Network, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* Acapulco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): David M. Hondula, Arizona State University; Michael Allen, Old Dominion University; Jennifer K. Vanos, Texas Tech University

CHAIR(S): David M. Hondula, Arizona State University

**8:00** Elena A. Grigoreva\*, ICARP FEB RAS; C. R. de Freitas, School of Environment, University of Auckland, New Zealand, *Heat wave-related human mortality during the warm season in the extreme climatic region of the Russian Far East.*

**8:20** Margaret Mae Kovach\*, University of North Carolina - Chapel Hill; Charles E Konrad, University of North Carolina at Chapel Hill; Chris M Fuhrmann, Mississippi State University, *Heat-Related Illness in Rural and Urban Settings across North Carolina.*

**8:40** Michael Allen\*, Old Dominion University; Scott Sheridan, Kent State University, *Heat Waves and Cold Spells: Frequency, Duration, and Seasonal Timing Changes (1948 - 2012).*

**9:00** Scott Sheridan\*, Kent State University; P Grady Dixon, Fort Hays State University, *Decreased Rates of Heat Mortality: Have we already adapted to climate change?.*

**9:20** Robert E. Davis\*, University of Virginia; Erin Dougherty, University of Virginia; Rebecca Kolkmeier, University of Virginia, *Mortality Seasonality, Influenza, and Possible Impacts of Weather.*

**3139. Immigrants, ethnicity, gender, race and health disparities in North American Cities (Sponsored by International Geospatial Health Research Network, Health and Medical Geography Specialty Group)**

*Room:* Atlanta, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Rajendra Subedi, Queen's University; Mark W. Rosenberg, Queen's University

CHAIR(S): Mark W. Rosenberg, Queen's University

**8:00** Kathi Wilson\*, University of Toronto Mississauga; Nicole Ratti, University of Toronto Mississauga; Mark W. Rosenberg, Queen's University, *Recent Immigrants' Access to Health Care: Examining the Impact of Ontario's Three-Month Wait Policy.*

**8:20** Gurveer Bains\*, Queen's University; Mark W. Rosenberg, Queen's University, *Mixing health and geography: A study of risks associated with cardiovascular disease for the Punjabi Sikh population in the Regional Municipality of Peel, Canada..*

**8:40** Lu Wang\*, Ryerson University; Jacob Levey, Ryerson University, *Composition and locational strategies of International Medical Graduates (IMGs) in Canada.*

**9:00** Huyen Dam, M.A. \*, McMaster University, *Immigrant and Refugee Youth Mental Health: A Hamilton Case Study.*

**9:20** Rajendra Subedi\*, Queen's University, *Self-reported health status of skilled immigrants working in low-skill jobs in Ottawa, Ontario, Canada.*

**3140. Geographic context and exposure estimation for understanding health behaviors: Lessons and challenges from drugs, diet, weight and physical activity in NIH-funded research (Sponsored by International Geospatial Health Research Network)**

*Room:* Hong Kong, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): David Berrigan; Bethany Deeds, National

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Institute on Drug Abuse

CHAIR(S): Bethany Deeds, National Institute on Drug Abuse

Introducer: Bethany Deeds

Discussant(s): David Berrigan

Panelists: Jeremy Mennis, Temple University; Shannon Zenk, University of Illinois - Chicago; Debarchana Ghosh, University of Connecticut; Marta Jankowska, University of California San Diego

## 3141. **Spatial Epidemiology I: Accessibility (Sponsored by International Geospatial Health Research Network, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group, Transportation Geography Specialty Group)**

Room: *New Orleans, Hyatt, West Tower, Gold Level (Paper Session)*

ORGANIZER(S): Eric M. Delmelle, UNC-Charlotte; Tijs Neutens, Ghent University

CHAIR(S): Michael J. Widener, University of Cincinnati

8:00 Huairan Ye\*, University of Tennessee; Hyun Kim, University of Tennessee, *Locating health care facilities using an alternative covering location problem.*

8:20 Koos Fransen\*, Ghent University; Tijs Neutens, Ghent University; Philippe De Maeyer, Ghent University; Greet Deruyter, Ghent University, *A Dynamic Two-Step Floating Catchment Area Method for Measuring Spatial Accessibility of Day-Care Centers.*

8:40 Paul L Delamater, PhD\*, George Mason University, *Floating Catchment Area (FCA) Metrics: Catching Potential Spatial Accessibility?*

9:00 Hana Kim\*, Seoul National University, *Geographies of Health Care in South Korea: Measuring Spatial Accessibility to Public Health Care Facilities in the Seoul Metropolitan Region.*

9:20 Xuan Kuai\*, Louisiana State University, *Geographic disparities in healthy food accessibility in Baton Rouge, Louisiana.*

## 3142. **PREM- The Militarization of Everyday Life: Culture and Social Practice**

Room: *Regency A, Hyatt, West Tower, Gold Level (Paper Session)*

ORGANIZER(S): Lindsey Dillon, UC Berkeley

CHAIR(S): Lindsey Dillon, UC Berkeley

8:00 Andrea L. Miller\*, University of California - Davis, *Specters of the Strike: Interventions in the Deterritorializing Violence of U.S. Drone Warfare.*

8:20 Denise Goerisch\*, University of Wisconsin; Denise Goerisch, PhD, University of Wisconsin, Madison, *Operation Thin Mint: Geopolitics of Caring in the American Girl Scouts.*

8:40 Crystal Baik\*, University of California - Riverside, *Rendering "Beautiful": Militarized Visuality, the U.S.-Mexico Border, and Kimsooja's An Album: Sewing into Borderlines.*

9:00 Maegan Miller\*, UCLA, *Bringing Down the Hammer: Securitization, Militarization, and the 1980s War on Gangs in Los Angeles.*

Introducer: Lindsey Dillon

## 3143. **The Crisis in Ukraine and Emergent Geographic Implications 1 (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**

Room: *Regency B, Hyatt, West Tower, Gold Level (Paper Session)*

ORGANIZER(S): John Biersack, University of Kansas; Austin Charron, University of Kansas

CHAIR(S): John Biersack, University of Kansas

8:00 Michael Gentile\*, University of Helsinki, *West-oriented in the East-oriented Donbas: A political stratigraphy of geopolitical identity in Luhansk, Ukraine.*

8:20 Clinton Robert Thompson\*, The University of Kansas, *Civic National Identity Formation in Ukraine: Challenges and Prospects.*

8:40 Austin Charron\*, University of Kansas, *Trouble in the*

*Homeland: The Crimean Tatar Perspective on Russia's Annexation of Crimea.*

9:00 Beth Ciaravolo\*, Indiana University, *"State-ish": The "fake states" of southeastern Ukraine.*

Discussant(s): Michelle K. Alger, University of Oregon

## 3144. **Move-in move-out: Impact of new flows and mobilities on translocal development (Sponsored by Development Geographies Specialty Group)**

Room: *Regency C, Hyatt, West Tower, Gold Level (Paper Session)*

ORGANIZER(S): Annelies Zoomers, Utrecht University; Maggi W.H. Leung, Utrecht University

CHAIR(S): Annelies Zoomers, Utrecht University

8:00 Annelies Zoomers\*, Utrecht University; Maggi Leung, 90082600, Utrecht University, *Move-in move-out: Impact of new flows and mobilities on translocal development.*

8:20 Maggi W.H. Leung\*, Utrecht University; Agnes Khoo, University of Leeds, *Moving and making knowledge? In inquiry into the nature and impact of Chinese highly-skilled mobilities to Ghana.*

8:40 Kei Otsuki\*, United Nations University, *New and Old Flows of Development Knowledge and Practice: Towards Re-articulation?.*

9:00 Pooya Ghoddousi\*, University College London, *Global nomads or temporary citizens: Transnational mobility of 'middling' Iranians.*

9:20 Caroline Archambault\*, Utrecht University; Jennifer Glassco, McGill University, *Mobile Pastoralists: Local Implications of a New Technological Translocal Maasai Diaspora.*

## 3145. **A World without Change? Gramscian perspectives on Protest and Passive Revolution**

Room: *Regency D, Hyatt, West Tower, Gold Level (Paper Session)*

ORGANIZER(S): Andrew Brooks, King's College London

CHAIR(S): Andrew Brooks, King's College London

8:00 Bernd Belina\*, Goethe University Frankfurt, *Hegemony Protected by Criminalization - and how the Blockupy Protests in Frankfurt, Germany, Dealt with it.*

8:20 Gorkem Altinors\*, University of Nottingham, *Gramsci in Taksim: A Critical Appraisal of Dualist Approaches to the Gezi Uprising.*

8:40 Carlo E. Sica, Ph.D. Student, Department of Geography\*, The Maxwell School of Syracuse University, *Educating consensus for fracking in Pennsylvania.*

Discussant(s): Stefan Kipfer, York University

## 3146. **Spatial Analysis and Modeling Specialty Group Student Paper Competition (Sponsored by Spatial Analysis and Modeling Specialty Group)**

Room: *San Francisco, Hyatt, West Tower, Gold Level (Paper Session)*

ORGANIZER(S): Eun-hye Enki Yoo, University At Buffalo (SUNY)

CHAIR(S): Eun-hye Enki Yoo, University At Buffalo (SUNY)

8:00 Mbongowo Joseph Mbuh, PhD candidate\*, George Mason University; Paul R Houser, PhD, George Mason University, *Optimization of field spectroscopy and Hyperion data to evaluate water quality in the Shenandoah River Basin, Virginia.*

8:20 Parmanand Sinha\*, University of Texas at Dallas, *Modeling Land Use Change Using Spatial Filtering Model Specification for Discrete Response.*

8:40 Bo Yang\*, University of Cincinnati; Hongxing Liu, University of Cincinnati; Emily Kang, University of Cincinnati; Richard Beck, University of Cincinnati; Kenneth Hinkel, University of Cincinnati; Lei Wang, Louisiana State University, *Spatio-temporal assimilation of multi-scale spatial data sets within a cokriging framework.*

9:00 Xiang Ye\*, University at Buffalo, *The Moran correlation coefficient.*

**THURSDAY, APRIL 23 • 8:00 AM - 9:40 AM • 3100****3147. Ecosystem Services (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)***Room:* Toronto, Hyatt, West Tower, Gold Level (Paper Session)ORGANIZER(S): Burak Guneralp, Texas A&M University;  
Jacqueline Vadjunec, Oklahoma State University;  
Richard J. Aspinall

CHAIR(S): Laura C. Schneider, Rutgers University

**8:00** Suzanne Cotillon\*, *Impacts of Land Cover Changes on Ecosystem Services Delivery in the Black Hills Ecoregion 1950-2010.***8:20** Laura Sonter\*, University of Vermont; Keri Bryan, Gund Institute for Ecological Economics; Taylor Ricketts, Gund Institute for Ecological Economics, *Land use change and ecosystem services - a New England case study.***8:40** Hoonchong Yi\*, Texas A&M University; Burak Güneralp, Texas A&M University; Anthony M. Filippi, Texas A&M University; Inci Güneralp, Texas A&M University, *Spatiotemporal patterns of urbanization and their impacts on ecosystem services in San Antonio River Basin, Texas.***9:00** Brian E. Robinson\*, McGill University; Hua Zheng, Chinese Academy of Sciences, *Livelihoods and Land Use: Disaggregating the Value of Ecosystem Services to Beneficiaries.***9:20** Laura C. Schneider\*, Rutgers University; Irene Zager, Provita, Venezuela; John Rogan, Clark University, *Socio-ecological resilience in secondary tropical forest: Forest recovery after hurricane disturbance in southern Yucatán.***3148. Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 2 of 3) (Sponsored by AAG Jobs and Careers Theme)***Room:* Crystal A, Hyatt, West Tower, Green Level (Panel Session)

ORGANIZER(S): Thomas J. Baerwald, National Science Foundation

CHAIR(S): Thomas J. Baerwald, National Science Foundation

**3149. Academic Worker Inquiry: Notes from the Field***Room:* Crystal B, Hyatt, West Tower, Green Level (Panel Session)

ORGANIZER(S): Christian Anderson, University of Washington at Bothell; Amanda Huron, University of the District of Columbia; Jesse Goldstein, Virginia Commonwealth University

CHAIR(S): Amanda Huron, University of the District of Columbia

Discussant(s): Scott Prudham, University of Toronto

Panelists: Stephen McFarland, Queens College, CUNY; Alexandra Castillo-Kesper; Brittany Davis, Allegheny College; Christian Anderson, University of Washington at Bothell; Elsa Noterman, University of Wisconsin - Madison

**3150. Spatial Big Data and Everyday Life I (Sponsored by Cultural Geography Specialty Group)***Room:* Crystal C, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Agnieszka Leszczynski, University of Birmingham; Jeremy Crampton, University of Kentucky

CHAIR(S): Agnieszka Leszczynski, University of Birmingham

**8:00** Till Straube\*, Goethe University Frankfurt am Main, *Where Is Big Data? Mapping Spaces of Digital Matter.***8:20** Agnieszka Leszczynski\*, University of Birmingham, *Questioning the surveillant anxieties of data-based life.***8:40** Matthew W. Wilson\*, University of Kentucky / Harvard, *Maps that Move.***9:00** Monica G. Stephens\*, University at Buffalo, *The Sum of all Human Knowledge: Data Minorities in Big User-Generated Content.***9:20** Chris Speed\*, University of Edinburgh; Ewa Luger, University of Cambridge, *The Challenge of Sensing Data in the Home: Inferring Domestic Practice.***3151. Everyday geographies of global, urban infrastructures of energy I (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)***Room:* Stetson A, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Anthony Levenda; Jon Silver, Durham University

CHAIR(S): Anthony Levenda

**8:00** Rupert Doney\*, University of Newcastle, *Retrofitting and urban energy flows: practitioner and householders perspectives on domestic retrofit and urban energy systems.***8:20** Corey Johnson\*, University of North Carolina - Greensboro, *Obdurate Infrastructure, Russia, and the Planetary Urban in Europe.***8:40** Travis K Bost\*, University of Toronto, *The Materialities of 'Super Contango'.***9:00** Phebe Dudek, MSc. \*, Massachusetts Institute of Technology; John Fernandez, Prof. \*, Massachusetts Institute of Technology, *Mapping African Urban Resource Flows.*

Discussant(s): Simon Marvin, Durham University

**3152. Digital Geo-Humanities (Sponsored by GeoHumanities Theme, Cultural Geography Specialty Group, Historical Geography Specialty Group)***Room:* Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Nicholas Bauch, Stanford University

CHAIR(S): Nicholas Bauch, Stanford University

**8:00** Ian N. Gregory\*, Lancaster University, *Geographical Text Analysis: Approaches to understand the geographies in texts.***8:20** Patricia Murrieta-Flores\*, University of Chester; Naomi Howell, University of Exeter, *A GIS of Medieval Romances: Place, space and imagination in medieval authorship.***8:40** David Bodenhamer\*, The Polis Center at Indiana University Purdue University Indianapolis, *Deep Maps and Spatial Narratives.***9:00** John Harner, Professor\*, U of Colorado, Colorado Springs, *Geovizualization of Urban Growth in Colorado Springs.***9:20** Nicholas Bauch\*, Stanford University, *Web-Based Spatial Narratives: The Production of Photographic Space at the Grand Canyon.***3153. Big Data - Perils and Promises (Sponsored by Geographic Information Science and Systems Specialty Group, Military Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)***Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Bandana Kar, University of Southern Mississippi; Rina Ghose, University of Wisconsin Milwaukee

CHAIR(S): Bandana Kar, University of Southern Mississippi

**8:00** Adam Davidson\*, CUNY Graduate Center, *Who can tell me where I am? Actors in the transportation information space.***8:20** Shanqi Zhang\*, University of Waterloo; Robert Feick, DR., University of Waterloo; Colin Robertson, DR., Wilfrid Laurier University, *Geosocial media as an aid to understanding place sensing and attachment in participatory planning processes.***8:40** Danhuai Guo, 90055552\*, Computer Network Information Center, Chinese Academy of Sciences; Qingchun Yan, Computer Network Information Center, Chinese Academy of Sciences, China; Wenjuan Cui, Computer Network Information Center, Chinese Academy of Sciences, China; Yuanchun Zhou, Computer Network



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Information Center, Chinese Academy of Sciences, China; Jianhui Li, Computer Network Information Center, Chinese Academy of Sciences, China, *Exploratory Risk Factor Finding of Zoonotic Infection Disease - A Big Data-Driven Geographic Analysis Approach*.

9:00 Vincent Miller\*, University of Kent, *The Rights of Distributed Selves*.

## 3154. Spatial Thinking and Education

Room: Stetson E, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Huifang Zuo, University of North Carolina - Charlotte

8:00 Lynn Moorman, PhD\*, Mount Royal University, *Elementary Geoliteracy*.

8:20 Donald Janelle\*, University of California, Santa Barbara, *A Transdisciplinary Undergraduate Course in Spatial Literacy*.

8:40 Whitney P. Broussard III, Ph.D.\*, Univ. of Louisiana at Lafayette; Emad Habib, Ph.D., Univ. of Louisiana at Lafayette; David M. Borrok, Ph.D., Univ. of Louisiana at Lafayette; Kari Smith, LEED AP, Univ. of Louisiana at Lafayette; JoAnne DeRouen, Ph.D., Univ. of Louisiana at Lafayette, *GIScience as a Great Integrator in Transdisciplinary Research and Educational Models for Water Sustainability*.

9:00 Huifang Zuo\*, University of North Carolina - Charlotte; Wenwu Tang, UNCC Department of Geography & Earth Sciences; Chuang Wang, UNCC Department of Educational Leadership, *Impact of Neighborhood institutional resources on Middle School Students' Achievement*.

## 3155. Legal Geographies 9: Human and More-Than-Human Environments, B - Viability of The Law/Environment Project

Room: Stetson F, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): John Carr, University of New Mexico

CHAIR(S): John Carr, University of New Mexico

8:00 Angela Harris\*, University of California Davis School of Law, *American Law and the Challenges of the Anthropocene*.

8:20 John Carr\*, University of New Mexico; Tema Milstein, Ph.D., University of New Mexico, Department of Communication and Journalism, *of Manatees and Power Plants: The naturalization of ecological destruction through environmental law and its discursive sites of protection*.

8:40 Elizabeth Judge, JD, PhD, Full Professor, University of Ottawa; Tenille Brown, PhD Candidate\*, University of Ottawa, *Law's understanding of the virtual environment: tort liability in the geoweb*.

9:00 David Beckingham\*, University of Cambridge, *Law as urban assemblage: liquor licensing in WWI Motherwell, Scotland*.

Discussant(s): Noah Quastel, University of British Columbia

## 3156. Condo-ism I: Corporate Governance, Legal Consciousness, Financialization, and Urban Life

Room: Stetson G, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Alan Walks, University of Toronto; Setha Low, The Graduate Center of the City University of New York

CHAIR(S): Setha Low, The Graduate Center of the City University of New York

8:00 Laura Calbet Elias\*, Berlin Institute of Technology, *Ordinary Projects: Condominium Development in Post-Welfare Berlin*.

8:20 Gillad Rosen\*, The Hebrew University of Jerusalem; Alan Walks, University of Toronto, *Toronto's Condo-builders: Mindset, Visions and Development Strategies*.

8:40 Eleanor Rae\*, University of Toronto, *Creativity and*

*Social Mix: The promotion and policies of 'positive gentrification' at CityPlace condominiums*.

9:00 Leslie Kern\*, Mount Allison University, *"This is a mess": Seeking answers in the dark side of Condo-land*.

Discussant(s): Renaud Le Goix, Univ. Paris-Diderot

## 3157. Advances in Geodesign: Synthesizing Efforts to Build More Sustainable, Resilient, and Healthy Communities. (Sponsored by Regional Development and Planning Specialty Group, Urban Geography Specialty Group)

Room: Addams, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Darren Ruddell, University of Southern California

CHAIR(S): Darren Ruddell, University of Southern California

8:00 Helena Mitasova\*, North Carolina State University, Raleigh, NC; Brendan Harmon, Landscape Architecture, College of Design, NCSU, Raleigh; Anna Petrasova, Center for Geospatial Analytics, NCSU; Vaclav Petras, Center for Geospatial Analytics, NCSU, *Coupling Open Source GIS with tangible interface and immersive visualization for collaborative geodesign*.

8:15 Qing Tang\*, Chinese Academy of Sciences; Wenzhong Zhang, Chinese Academy of Sciences, *Land suitability assessment for post-earthquake reconstruction: A case study of Lushan in Sichuan, China*.

8:30 Hui Kong, MA\*, the Ohio State University; Dianzhi Sui, Professor, the Ohio State University, *From Simulation to Geodesign: A New Framework for CA Modeling*.

8:45 Kelleann Foster\*, Penn State University, *Scaling-up Awareness of GIS + Design via a MOOC*.

9:00 Stephanie Deitrick, PhD\*, Arizona State University, *GeoDesign as a Framework for User-Centered Uncertainty Visualization*.

9:20 Darren Ruddell\*, University of Southern California, *Geodesign Education: Reflections on a Collaborative Geodesign Summer Course*.

## 3158. Global Translation and Creation of Knowledge and Practices 1

Room: Burnham, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Harald Bathelt, University of Toronto; James Faulconbridge, Lancaster University; Sarah Hall, University of Nottingham

CHAIR(S): Pengfei Li

8:00 Sam Ock Park\*, Seoul National Univ; Mihye Park, Seoul National University, *Structures of global knowledge flows in the global dynamic economic spaces*.

8:20 Cassandra C. Wang\*, Department of Earth Sciences, Zhejiang University; Aiqi Wu, School of Management, Zhejiang University, *Reverse Knowledge Spillover from Local to Foreign Firms in China: Firm Ownership and Product Innovation of Foreign Firms*.

8:40 James Faulconbridge\*, Lancaster University; Daniel Muzio, Newcastle University, *Transnational corporations, knowledge networks and institutional change: the case of the Milan financial and professional service sub-field*.

9:00 Ram Mudambi\*, Temple University; Thomas J Hannigan, Temple University; Vittoria Giasa Scalera, Politencico di Milano; Alessandra Perri, University of Venica Ca Foscari; Marcelo Cano-Kollmann, Temple University, *Connectivity and the innovativeness of cities*.

9:20 Krzysztof Stachowiak\*, Adam Mickiewicz University in Poznan, Poland, *Global creative industries? Examining the interplay of the global and the local in a creative economy*.

## 3159. From Kreuzberg to Williamsburg (1): Exploring the trans-local nature of cultural scenes and the creation and diffusion of knowledge, practices and value(s) across space, scale and industry. (Sponsored by Cultural Geography Specialty Group)



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**Room:** *Dusable, Hyatt, West Tower, Silver Level* (Paper Session)  
**ORGANIZER(S):** Chiara Valli, Uppsala University; Brian J. Hracs, University of Southampton; Taylor Brydges, Uppsala University  
**CHAIR(S):** Brian J. Hracs, University of Southampton  
**8:00** Daniel Silver\*, University of Toronto - Scarborough; Clark Terry\*, University of Chicago; Brian Knudsen, *Arts Clusters in the US, Canada, and France: commonalities and differences.*  
**8:20** Atle Hauge\*, Eastern Norway Research Institute, *Trans-local gatewatching and socio-spatial interconnectedness.*  
**8:40** Peta Wolifson\*, University of New South Wales, *Discourses of, in and on Surry Hills at night.*  
**9:00** Taylor Brydges\*, Uppsala University; Brian J. Hracs\*, University of Southampton, *Decoding the curated neighborhood: Exploring the similarities of trans-local cultural scenes through in-flight magazines.*  
**9:20** Jani Kozina\*, Research Centre of the Slovenian Academy of Sciences and Arts; Nick Clifton, Cardiff Metropolitan University, *The need for 'place-based distinctiveness' in appropriate policy-making: understanding the locational factors of the Creative Class.*

**3160. Measuring Geographic Education Through Motivation, Awareness, and Mentoring**

**Room:** *Field, Hyatt, West Tower, Silver Level* (Paper Session)  
**ORGANIZER(S):** Program Committee  
**CHAIR(S):** Deborah S. Metzel, University of Massachusetts Boston  
**8:00** Okkyong Yoon\*, Cheongju National University of Education, *Elementary School Teachers' Understanding and Practices on Regionalization of Geography Curriculum in Korea.*  
**8:20** M. Anwar Sounny-Slitine\*, Southwestern University; Brandee Knight, Southwestern University; Dakota McDurham, Southwestern University; Jen O'Neal, Southwestern University, *The Effects of Virtual Environments on Spatial Awareness in Adolescents.*  
**8:40** ARCHIE Kwame DEEN, PhD\*, Institute of Education, University of London, *Geographical Knowledge Construction and Production in Advanced Placement Human Geography Classrooms: The Teachers' and Students' Perspectives.*  
**9:00** Aimee J Moore, Western Michigan University; Lisa M. DeChano-Cook\*, Western Michigan University, *Physical Geography, Biology and Chemistry: Do Motivations for Learning These Sciences Differ?.*  
**9:20** Deborah S. Metzel, Ph.D.\*, University of Massachusetts Boston, *The Socio-spatiality of Mentoring Student with Disabilities.*

**3161. Doing Situated Urban Political Ecology 1: The Intersection of Theory and Practice (Sponsored by Africa Specialty Group)**

**Room:** *Horner, Hyatt, West Tower, Silver Level* (Paper Session)  
**ORGANIZER(S):** Sarah Smiley, Kent State University at Salem; Hilary Hungerford, South Dakota State University  
**CHAIR(S):** Sarah Smiley, Kent State University at Salem  
**8:00** Michael H. Finewood\*, Chatham University, *Situating Justice in an Upstream/Downstream Urban Political Ecology.*  
**8:20** Sophie Schramm\*, TU Darmstadt, *People's room for maneuver in light of centrally planned upgrading in Soweto East, Nairobi.*  
**8:40** Sarah L. Smiley\*, Kent State University, *Measuring and Visioning the Walk to Water in Dar es Salaam, Tanzania.*  
**9:00** Hilary Hungerford\*, South Dakota State University, *A Situated Urban Political Ecology of the Niamey Urban Forest.*  
**Discussant(s):** Jon Silver, Durham University

**3162. Sustainable Energy for All: Renewable Energy and Decentralisation (1) (Sponsored by Energy and Environment Specialty Group, Development Geographies Specialty Group)**

**Room:** *McCormick, Hyatt, West Tower, Silver Level* (Paper Session)  
**ORGANIZER(S):** John Harrison, Loughborough University; Simon Batchelor, Gamos Ltd  
**CHAIR(S):** Simon Batchelor, Gamos Ltd  
**Introducer:** John Harrison  
**8:20** Bas Hendrikx, Dr, Radboud University Nijmegen; Henk-Jan Kooij, Radboud University Nijmegen; Arnoud Lagendijk\*, Radboud University Nijmegen, *Grassroots initiatives in energy transition. The role of learning, framing and mobilisation..*  
**8:40** Atiya Jaffar, MA Candidate\*, University of Guelph; Ben Bradshaw, PhD, Associate Professor, University of Guelph, *Establishing a Clean Economy or Strengthening Indigenous Sovereignty: Conflicting & Complementary Visions for Energy Transitions.*  
**9:00** Arnaldo Santos De Lima\*, University of Brasília, *Challenges For Local/Territorial & Sustainable Development In Brazilian Biodiesel Policy: The Case of The Gaucho Territories.*  
**Discussant(s):** Simon Batchelor, Gamos Ltd

**3163. Remote Sensing of Vegetation Disturbance (I): Invasive species and Insect Outbreaks (Sponsored by Remote Sensing Specialty Group)**

**Room:** *Ogden, Hyatt, West Tower, Silver Level* (Paper Session)  
**ORGANIZER(S):** Rebecca L. Powell, University of Denver  
**CHAIR(S):** Santiago Lopez, University of Washington Bothell  
**8:00** Jennifer K. Lipton\*, Central Washington University, *Analyzing Herbivory Intensity of Western Spruce Budworm in Forests of the Interior Pacific Northwest.*  
**8:20** Michael Meinild Nielsen, PhD\*, Dept. of Human Geography, Stockholm University; Marco Heurich, Nationalparkverwaltung Bayerischer Wald; Bo Malmberg, Prof., Dept. of Human Geography, Stockholm University; Aders Brun, Centre for Image Analysis, Uppsala University, *Classification of standing dead trees after an insect outbreak using the Window Independent Context Segmentation method.*  
**8:40** Isabella Mariotto, Assistant Professor\*, Michigan Technological University; Vincent P. Gutschick, Professor Emeritus, New Mexico State University, Global Change Consulting Consortium, Inc., *Mapping Encroaching Invasive Plant Species Using Object-Oriented Machine-Learning Classification Algorithms.*  
**9:00** Evan F. Sinnott\*, Binqing Liang, University of Northern Iowa, *Using Hyperspectral Imaging to help quarantine Garlic Mustard..*  
**9:20** Santiago Lopez, PhD\*, University of Washington Bothell; David Stokes, PhD, University of Washington Bothell, *2) Title: A spatially explicit model of the presence of English holly (Ilex aquifolium): Spatial relationships and trajectories.*

**3164. Hurricanes I: Meteorology/Climatology (Sponsored by Coastal and Marine Specialty Group)**

**Room:** *Wright, Hyatt, West Tower, Silver Level* (Paper Session)  
**ORGANIZER(S):** Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University  
**CHAIR(S):** Jill C. Trepanier, Louisiana State University  
**8:00** Jay S. Hobgood\*, Ohio State University, *An Experimental Hurricane Wind Intensity Size Index.*  
**8:20** Adam J. Kalkstein\*, United States Military Academy; Douglass A. MacPherson, United States Military Academy, *Changing Pressure-Wind Relationships for Tropical Cyclones in the North Atlantic and Northeastern Pacific.*  
**8:40** Stephanie E Zick\*, University of Florida; Corene J Matyas, University of Florida, *Geometries in Moisture Budgets of US Landfalling Tropical Cyclones & Implications*

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**9:00** Yao Zhou\*, University of Florida; Corene Matyas, University of Florida, *Conditions associated with characteristics of daily rainfall fields produced by landfalling tropical cyclones.*

**9:20** Erik Fraza\*, Florida State University; James B. Elsner, Florida State University, *Spatial Climatology of Hurricane Intensifications and Upper Level Temperatures.*

**3165. 2015 Student Honors Paper Competition I (Sponsored by Remote Sensing Specialty Group)**

*Room:* Michigan A, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Iliyana Dobrev, Texas A&M University  
CHAIR(S): Iliyana Dobrev, Texas A&M University

**8:00** Peng Fu\*, Indiana State University; Qihao Weng, Professor, Indiana State University, *Urbanization induced land cover change and its impact on land surface temperature: a time series approach.*

**8:20** Xuecao Li\*, CESS, Tsinghua University, *A 30-year (1984-2013) record of annual impervious surface dynamics of Beijing City derived from Landsat Data.*

**8:40** Wenyu Li\*, *Coastal inundated area change in west Florida from 1984 to 2013.*

**9:00** Michael Norton\*, University of California, Davis; Travis Lybbert, Ph.D., University of California, Davis, *Differing Sensitivities to Precipitation by Agricultural Land Cover Type.*

**9:20** Yuhong Zhou\*, University of Texas at Dallas; Fang Qiu, University of Texas at Dallas, *Object-level fusion of LiDAR pseudo-waveforms and HSR multi-spectral data for land cover mapping.*

Discussant(s): Timothy Warner, West Virginia University; Changshan Wu, University of Wisconsin, Milwaukee; Xuelian Meng, Louisiana State University

**3166. Grieving witnesses: The politics of grief in the field (I) (Sponsored by Geographic Perspectives on Women Specialty Group, Animal Geography Specialty Group)**

*Room:* Michigan B, Hyatt, East Tower, Ped Path (Panel Session)

ORGANIZER(S): Kathryn Gillespie, University of Washington; Patricia J. Lopez, Dartmouth College

CHAIR(S): Kathryn Gillespie, University of Washington  
Panelists: Kalli F. Doubleday, University of Texas at Austin; Kate Coddington, Durham University; Jacquelyn Miceli-Voutsinas, Skidmore College; Lakhbir K. Jassal; Maureen Hays-Mitchell, Colgate University; Elizabeth A. Olson, UNC-Chapel Hill; Dana Cuomo, Pennsylvania State University; Helen Olsen, Rutgers University; Matthew Rosenblum

**3167. Conceptualizing knowledge-based mobilities, networks, and exchanges (Sponsored by Population Specialty Group, Ethnic Geography Specialty Group)**

*Room:* Michigan C, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Heike Joens, Loughborough University; Heike Alberts, University of Wisconsin-Oshkosh

CHAIR(S): Heike Alberts, University of Wisconsin-Oshkosh

**8:00** Heike Joens\*, Loughborough University, *Mobile geographies of knowledge and education.*

**8:20** Helen Packwood\*, University of St Andrews, Scotland; Allan Findlay, St Andrews University; David McCollum, St Andrews University; Glenna Nightingale, St Andrews University, *Inside the International Office: marketing mobile lives, managing student expectations and mediating change in Higher Education.*

**8:40** Anna Growe\*, University of Freiburg, Institute of Cultural Geography; Suntje Schmidt, Leibniz Institute for Regional Development and Structural Planning, *Places and processes: why and how is temporary spatial proximity used in creative activities and service production?*

**9:00** Natalie Tebbett\*, Loughborough University, *Pedagogies of knowledge exchange: conceptualising transnational knowledge transfer in teaching and learning.*

**3168. Issues in Ethnic Geography I (Sponsored by Ethnic Geography Specialty Group)**

*Room:* Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Stavros T. Constantinou, Ohio State University; Carlos Teixeira, University of British Columbia Okanagan

CHAIR(S): Stavros T. Constantinou, Ohio State University

**8:00** Sarah Neal, Dr\*, University of Surrey; Humera Iqbal, Dr, University of London; Carol Vincent, Professor, Institute of Education, *Placing friendship: how everyday micro spaces shape friendship networks, relationships and practices in complex urban geographies.*

**8:20** Kitty Lymperopoulou\*, University of Manchester; Nissa Finney, University of Manchester, *The changing geography of ethnic inequality in England and Wales 2001-2011.*

**8:40** Weronika A. Kusek\*, Northern Michigan University, *The Construction of Diasporic Networks by Recent Polish Migrants to London, UK.*

**9:00** Venera Bektishi\*, University of Illinois at Urbana-Champaign; Monika Stodolska, University of Illinois at Urbana-Champaign; Sungwan Kang, University of Illinois at Urbana-Champaign, *The Influence of Social and Economic Enclosure on Perception of Discrimination among Polish and Korean Immigrants.*

**9:20** Stavros T. Constantinou, Ph.D.\*, Ohio State University, *Greek American Ethnic Identity and Place.*

**3169. EEG & Tourism (Sponsored by Recreation, Tourism, and Sport Specialty Group)**

*Room:* Randolph, Hyatt, East Tower, Ped Path (Panel Session)

ORGANIZER(S): Patrick Brouder, Brock University & Mid Sweden University

CHAIR(S): Patrick Brouder, Brock University & Mid Sweden University

Introducer: Patrick Brouder

**3173. Beyond the Resource Curse: Toward a Coordinated Approach to Natural Resource Management in Africa (Sponsored by Africa Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)**

*Room:* Lucerne 1, Swissôtel, Lucerne Level (Panel Session)

ORGANIZER(S): Francis Owusu, Iowa State University; Kobena Hanson, Strategic Outlooks

CHAIR(S): Kobena Hanson, Strategic Outlooks

Introducer: William G. Moseley

Discussant(s): Pádraig Carmody, Trinity College Dublin

Panelists: Francis Owusu, Iowa State University; Kobena Hanson, Strategic Outlooks; Ibipo Johnston-Anumonwo, SUNY Cortland

**3174. Gendering Work: Feminist Approaches to Labour and the Economy (Sponsored by Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)**

*Room:* Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Carmen Teeple Hopkins, University of Toronto; Caitlin Henry, University of Toronto

CHAIR(S): Caitlin Henry, University of Toronto

**8:00** Djemila Zeneidi\*, Cnrs; Djemila Zeneidi, Cnrs University of Bordeaux, *Importing Women, exporting strawberries: the case of the female Moroccan farm workers in Huelva (Spain).*

**8:20** Preeti Sharma\*, UCLA, *The Thread Between Them: Race, Gender, and Intimacy in Los Angeles' South Asian Threading Salons.*

**8:40** Yui Hashimoto\*, University of Wisconsin-Milwaukee, *Fast food workers & discourses of low-wage work and*

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*poverty in Milwaukee.*

- 9:00** Carmen Teeple Hopkins\*, University of Toronto, *Precarity and the body: Workplace injury and the capitalist intensification of tasks in Montréal, Québec.*  
Discussant(s): M Buckley, or University of Toronto - Scarborough - Scarborough, Ontario

## 3175. Economic Geography VIII - Resilience: Regional Growth and Decline (Sponsored by Economic Geography Specialty Group)

*Room:* Lucerne 3, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Helen Lawton Smith, Birkbeck University of London

CHAIR(S): Jennifer Clark, Georgia Institute of Technology

**8:00** Jacob Rubæk Holm\*, IKE/DRUID, Aalborg University; Christian Richter Oestergaard, IKE/DRUID, Aalborg University, *No way out? How regions overcome specialization in a declining industry.*

**8:15** Joan Crespo\*, Utrecht University; Ron Boschma, Lund University, *Shock resilience of regional networks.*

**8:30** Silvia Rita Sedita\*, University of Padova; Ivan De Noni, University of Milan; Luciano Pilotti, University of Milan, *How Do Related Variety And Differentiated Knowledge Bases Influence The Resilience of Local Production Systems?.*

**8:45** Frank Van Oort\*, Utrecht University; Mark Thissen, Netherlands Environmental Assessment Agency; Thomas De Graaff, Free University Amsterdam, *Regional resilience: structural determinants versus interregional demand effects in regional economic growth.*

**9:00** Alison Rieple\*, University of Westminster; Amran Ahmed, Professor / Dr, Universiti Malaysia Perlis; Bonaventure Boniface, Dr, Universiti Malaysia Sabah; Jane Chang, Dr, University of Westminster; Susan Martin, Dr, University of Hertfordshire, *Small farmers and sustainability: institutional barriers to investment and innovation in the Malaysian palm oil industry.*

Discussant(s): Lars Coenen, Lund University, Sweden

## 3176. 2nd Special Session Retail aspects in Urban Geography and Urban Planning III: Urban quarter and retail synergies (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)

*Room:* Alpine 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Herman Kok, Multi / ODTU

CHAIR(S): Herman Kok, Multi / ODTU

Introducer: Herman Kok

**8:05** Barbara Hahn\*, Wuerzburg University, *Montréal's Underground City Revisited.*

**8:25** Kevin Drain, MSc\*, Doctoral Student, University of Helsinki, *Retail Markets in Helsinki: The Gentrification Frontier Revisited.*

**8:45** Tatiana Debroux\*, Free University Brussels (ULB); Benjamin Wayens, Free University Brussels (ULB), *Geography of art galleries in Brussels, Belgium: just another story of retail gentrification?.*

**9:05** Elnaz Ghafoorikoohsar\*, University of Manchester, *Urban micro-publics as a social regeneration strategy: exploring the socio-cultural functions of retail marketplaces in Greater Manchester, UK.*

Discussant(s): Jan Van Weesep, University of Utrecht

## 3177. Spatiotemporal Symposium: Space-time dynamics of socio-economic systems I (Sponsored by China Specialty Group, Regional Development and Planning Specialty Group, Spatial Analysis and Modeling Specialty Group)

*Room:* Alpine 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Xinyue Ye, Kent State University; Jie Liu, Governmental Research Agency of Ningxia Hui

Autonomous Region; Igor V. Pilipenko, EBRD

CHAIR(S): Jiajun Qiao

**8:00** Zheyang Wang\*, Kent State University; Yeqing Cheng, Hainan Normal University; Xinyue Ye, Kent State University; Yehua Dennis Wei, The University of Utah, *Analyzing the space-time dynamics of innovation in China: ESDA and spatial panel approaches.*

**8:20** Huanyang Zhao\*, Kent State University; Jay Lee, Kent State University; Xinyue Ye, Kent State University, *Spatio-Temporal Analyses of Religious Establishments In China: A Case Study of Zhejiang Province.*

**8:40** Igor V. Pilipenko\*, EBRD, *Spatial dynamics of the manufacturing and IT sectors' development across regions of Russia in the 2000-2010s.*

**9:00** Jun Lu\*, Peking University, *The simulation of Spatial Distribution Patterns of China's HSR-Economic Zones based on the 2D Time-Space Map.*

**9:20** Jiajun Qiao\*, College of Environment and Planning, Henan University, 475001, China; Xinyue Ye, Department of Geography, Kent State University, Kent, OH, 44242, USA, *Specialized Villages' Agglomeration and Rural Development.*

## 3178. Faculty Opportunities for Research and Teaching in Location Intelligence (Sponsored by AAG Jobs and Careers Theme, Business Geography Specialty Group)

*Room:* Zermatt/Gstaad, Swissôtel, Lucerne Level (Panel Session)

ORGANIZER(S): Murray Rice, University of North Texas; Tony Hernandez, Ryerson University

CHAIR(S): Murray Rice, University of North Texas

Introducer: Murray Rice

Panelists: Tony Hernandez, Ryerson University; Simona Epasto, University of Macerata; William Graves, UNC-Charlotte

## 3179. Evaluating environmental impacts of agri-environmental programmes - methodological issues and future roles (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

*Room:* St. Moritz, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Gerald Schwarz, Thuenen Institut of

Farm Economics; Zymantas Morkvenas, Baltic environmental forum; Andrea Povellato, INEA

CHAIR(S): Zymantas Morkvenas, Baltic environmental forum

**8:00** Andrea Povellato\*, INEA; Inge Aalders, James Hutton Institute, JHI, UK; Katalin Balázs, Szent Istvan University, SZIE, HU; Zymantas Morkvenas, Baltic Environment Forum, BEF, LT; George Vlahos, Agricultural University of Athens, AUA, GR, *How to evaluate the impact of RDPs on biodiversity and landscape. Methodological challenges in multiscale and multilevel contexts.*

**8:20** Inge Aalders\*, James Hutton Institute; Alessandro Gimona, James Hutton Institute; Janne Artell, MTT Agrifood Research Finland; Marita Laukkanen, VATT Government Institute for Economic Research; Anne Wolff, Thünen Institute; Bernhard Osterburg, Thünen Institute; Alexandra Smyrniotopoulou, Agricultural University of Athens; George Vlahos, Agricultural University of Athens; Laszlo Podmaniczky, Szent Istvan University; Katalin Balazs, Szent Istvan University, *How to evaluate the impact of rural development programs on water and soil quality - methodological challenges in multi-scale and multilevel contexts with data gaps.*

**8:40** Meri Raggi\*, University of Bologna; Davide Viaggi, University of Bologna; Valentina Marconi, University of Bologna; Daniele Vergamini, University of Bologna, *Evaluation of RDP policies: lesson learned from case studies using spatial econometric models.*

**9:00** Anne Wolff\*, Thünen-Institute of Rural Studies; Gerald Schwarz, Thünen-Institute of Farm Economics;

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Bernhard Osterburg, Thünen-Institute of Rural Studies; Frank Offermann, Thünen-Institute of Farm Economics; George Vlahos, Agricultural University of Athens; Alexandra Smyrniotopoulou, Agricultural University of Athens, *Assessing the cost-effectiveness of environmental monitoring and evaluations - towards a consistent framework for RDP evaluations in the EU.*

**9:20** Jaroslav Prazan\*, Institute of Agricultural Economics and Information, *Challenges of evaluation of agri-environmental programmes.*

**3180. Methods of Mapping Political Contention and Activism 1 (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)**

*Room:* Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Sander Van Haperen, University of Amsterdam; Walter J. Nicholls, Sociology, University of Amsterdam

CHAIR(S): Sander Van Haperen, University of Amsterdam

**8:00** Peter M. Brogan\*, York University, *Solidarity Research and the Radical Imagination: of Teacher Unions and Rank and File Dissidents in the United States.*

**8:20** Sander Van Haperen\*, University of Amsterdam; Walter J. Nicholls, Sociology, University of Amsterdam, *Diffusing protest on Twitter: The spatio-temporal evolution of a contentious social movement network.*

**8:40** Catherine Trudelle\*, UQAM; Mathieu Pelletier, CRC- on socioterritorial conflict and local governance, *Urban conflict analysis : proposal for a systemic and relational approach.*

**9:00** Chien Miao-Jung\*, National Taiwan University, *Public Participation GIS for Recall Election Petition Campaign.*

**3181. Selected Planning / Development Issues in South and Southeast Asia (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group)**

*Room:* Verbier, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): George M. Pomeroy, Shippensburg University; Rini Rachmawati, Faculty of Geography, Universitas Gadjah Mada; Eko Haryono, Faculty of Geography, Universitas Gadjah Mada

CHAIR(S): Rini Rachmawati, Faculty of Geography, Universitas Gadjah Mada

**8:00** Rini Rachmawati\*, Faculty of Geography, Universitas Gadjah Mada, Indonesia, *People's Aspirations in Urban Development: Indonesian Practices.*

**8:20** Eko Haryono\*, Faculty of Geography, Universitas Gadjah Mada, Indonesia, *Managing Karst Area Through Land Use Planning.*

**8:40** Rey Umali\*, *The 4th World: A Geographic Assessment of Urban Slums in Metropolitan Manila.*

**9:00** Priyam Das\*, University of Hawaii, *The Spatiality of Participation.*

**9:20** Falguni Mukherjee, Assistant Professor\*, Sam Houston State University, *GIS Use for Municipal e-governance.*

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- 3201. Looking Forward through a 20th Year Retrospective of UCGIS (Sponsored by Geographic Information Science and Systems Specialty Group)**  
*Room:* Skyway 260, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Steve Prager, University of Wyoming; Laxmi Ramasubramanian, Hunter College; Elizabeth A. Wentz, Arizona State University  
 CHAIR(S): Diana Stuart Sinton, UCGIS  
 Introducer: Steve Prager  
 Discussant(s): Elizabeth A. Wentz, Arizona State University  
 Panelists: Douglas Richardson, Association of American Geographers; E. Lynn Usery, U.S. Geological Survey; Nina Lam, Louisiana State University; Laxmi Ramasubramanian, Hunter College
- 3202. Wine, Beer, and / or Spirits? (Sponsored by Wine Specialty Group)**  
*Room:* Skyway 261, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Robert P. Sechrist, Indiana University of Pennsylvania  
 CHAIR(S): Robert P. Sechrist, Indiana University of Pennsylvania  
 Panelists: April Watson; Mark Patterson, Kennesaw State University; Juana Ibáñez, University of New Orleans
- 3205. Revisiting Entrepreneurialism: the logics of urban governance in systemic crisis (2) (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**  
*Room:* Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): John Lauermaun, Clark University; Mark Davidson, Clark University  
 CHAIR(S): John Lauermaun, Clark University  
**10:00** Marc Parés\*, Wagner School of Public Service - New York University, *Social Innovation against Evictions: challenging collaborative urban governance under austerity.*  
**10:20** Philipp Katsinas\*, King's College London, *Austerity Urbanism, the Entrepreneurial Mayor and Sustainability Imaginaries in Thessaloniki, Greece.*  
**10:40** Catherine Guimond\*, University of California, Berkeley, *Reviving markets and reviving places: Contradictions of subsidized housing.*  
**11:00** Anne Lorentzen\*, University of Southern Denmark, *The urban transformation of Vancouver. The experience economy as planning approach.*  
**11:20** Jason Luger, PhD\*, King's College London Cities Group, *The Limits of Entrepreneurialism in Two [Different] Cities: What Progressive Urban Governance Looks like in Charlotte and Singapore.*
- 3206. Experiencing and (Re)Creating Space(s) (Sponsored by Geographic Perspectives on Women Specialty Group)**  
*Room:* Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Jill Williams, University of Hawai'i-Manoa  
 CHAIR(S): Tamar Y. Rothenberg, Bronx Community College of the City University of New York  
**10:00** Autumn C. James\*, Northern Illinois University, *Through the Lens of Intimate Partner Violence: Shattered Perceptions of Space and Time.*  
**10:20** Nazgol Bagheri\*, University of Texas at San Antonio, *A tale of flâneuse in the shopping mall: From an American dream to an Iranian reality.*  
**10:40** Jennie Brandén\*, Umeå University; Linda Sandberg\*, Umeå University, *Planning the safe city: Fear and safety in policy and practice.*  
**11:00** Maaret Jokela-Pansini\*, University of Berne, Institute of Geography, Switzerland, *Creating political space(s): Women's human rights mobilization in Honduras.*
- 3208. (Third) Taste of the Sea: an exploration of seafood and place in three courses**  
*Room:* Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Lillian Brown, Indiana University; Daniel C. Knudsen, Indiana University  
 CHAIR(S): Lillian Brown, Indiana University  
**10:00** Michele Patterson\*, Vancouver Island University, *What is a farmed salmon? Understanding the social life of a seafood commodity from ocean to table.*  
**10:20** John Edward Cheney\*, University of Washington; Edward H Allison, University of Washington, *One Person's Trash is Another Person's Dinner: niche seafood species making a splash in American seafood systems.*  
**10:40** Emily Wright, Dept of Geography, University of Hawaii at Manoa; Alison Rieser\*, Dept of Geography, University of Hawaii at Manoa, *Discourse, Development, and Sustainability in Sea Cucumber Farming.*  
**11:00** Daniel C. Knudsen\*, Indiana University, *Taste and the Enigma of Food Choice.*  
 Discussant(s): Richard R. Wilk, Indiana University
- 3209. Frontiers or Reflectors?: A Methodological Discussion of Social Media Landscapes, Social Norms and Spaces of the Everyday**  
*Room:* Skyway 283, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Luke Richard Barnesmoore, University of British Columbia; Nicole Rallis, York University; Elvin K. Wyly, University of British Columbia  
 CHAIR(S): Luke Richard Barnesmoore, University of British Columbia  
 Panelists: Luke Richard Barnesmoore, University of British Columbia; Nicole Rallis, York University; Elvin K. Wyly, University of British Columbia; Jin-Kyu Jung, University of Washington-Bothell
- 3210. Governance and politics in urban and regional development in China**  
*Room:* Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Yi Li, Nanjing University; Matthias Falke, Ruhr-University Bochum  
 CHAIR(S): Yi Li, Nanjing University  
**10:00** Yi Li\*, Nanjing University; Fulong Wu, University College London, *City-regionalism and the constitutive role of central-local politics: a case study of two regional cooperation projects in Yangtze River Delta, China.*  
**10:12** Ling-I Chu\*, National Taiwan University, *The Division System in Rescaling: Taiwan's role on China's regional development.*  
**10:24** Miao Qiao\*, The University of Manchester, *From Made in China to Innovated in China: Models of industrial upgrading of Manufacturing Towns.*  
**10:36** Jie Guo\*, Heidelberg University, *Neoliberal Transformation of Chinese Cities: From the Perspective of Industrial Land Redevelopment in Lanzhou.*  
**10:48** Tingting Lu\*, University College London, *The Development and Governance of Gated Communities in post-reform China.*  
**11:00** Weilong Zhang\*, University College London, *Urban Village Redevelopment in China: A Case Study of Guangzhou.*  
**11:12** Xiaoxia XU\*, The university of Hong Kong; Roger Chan, The University of Hong Kong, *China's Multi-scalar State Spatial Selectivity and Hybrid Socialist Market Economy.*  
**11:24** BIN LI\*, University of Birmingham, *An Emerging Selective Regime in Fragmented Authoritarianism: Urban Redevelopment under the 'three old' policy in Guangzhou, China from 2008.*

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**Room:** Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Songlin Fei, Purdue University

CHAIR(S): Songlin Fei, Purdue University

**10:00** Gabriela C Nunez-Mir\*, Purdue University; Songlin Fei, Purdue University, *Consolidating invasion paradox with a beta-diversity based theoretical model.*

**10:20** Christopher M. Oswalt\*, USDA Forest Service - SRS-FIA; Songlin Fei, Purdue University; Qinfeng Guo, USDA Forest Service - SRS; Basil Ianonne, Purdue University; Bryan Pijanowski, Purdue University; Kevin Potter, North Carolina State University; Sonja Oswalt, USDA Forest Service - SRS-FIA, *What can a Broad Scale Forest Inventory Tell us about Invasive Plants in US Forests.*

**10:40** Arthur Elmes\*, Clark University; John Rogan, Ph.D., Clark University; Deborah Martin, Ph.D., Clark University; Verna DeLauer, Ph.D., Franklin Pierce University, *Sociodemographic Trends in Asian Longhorned Beetle-Caused Tree Removal and Replanting in Worcester, MA.*

**11:00** Nathan S. Gill\*, Clark University; Florencia Sangermano, Clark University, *Identifying suitable habitat and bioclimatic drivers of Africanized honeybee distribution in Utah and southern California.*

**11:20** Aileen R. Buckley\*, Esri, *Using GIS to understand the zebra mussel invasion.*

**3213. Career Mentoring C (Sponsored by AAG Jobs and Careers Theme)**

**Room:** Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)

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

CHAIR(S): Mark Revell, Association of American Geographers - Washington, DC

Discussant(s): M. S. DeVivo; Gaurav Sinha, Ohio University; Meredith Marsh, Lindenwood University; Melvin Arthur Johnson, University of Wisconsin-Manitowoc; Heather R. Houlton, American Geosciences Institute; Paul N. McDaniel, American Immigration Council; Michael R. Ratcliffe, U.S. Bureau Of the Census; Jacqueline Waite, National Council for Geographic Education; Zachary R. Dulli, National Council For Geographic Education; Julie Crea Dunbar, ABC-CLIO; Kaitlin Ciarmiello, ABC-CLIO, LLC; Jung Eun Hong, University of West Georgia

**3214. WS #2-4 Geographer Scholars Abroad - Fulbright Scholar Ambassador Tim Krantz' Experiences in Austria (Sponsored by AAG Jobs and Careers Theme, Institute of International Education (IIE))**

**Room:** Columbus CD, Hyatt, East Tower, Gold Level (Panel Session)

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

CHAIR(S): Tim Krantz, University of Redlands

Discussant(s): Tim Krantz, University of Redlands

**3215. Designing Online Learning Opportunities in Geography A (Sponsored by National Center for Research in Geography Education, Esri, Association of American Geographers, Geography and Online Education Theme)**

**Room:** Columbus EF, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Mark Revell, Association of American Geographers - Washington, DC; David DiBiase, Esri

CHAIR(S): Michael N. Solem, Association of American Geographers

**10:00** Garrett Smith, Ph.D.\*, Kennesaw State University; Matthew Mitchelson, Ph.D., Kennesaw State University; Vanessa Slinger-Friedman, Ph.D., Kennesaw State University, *Developing a Fully Online B.A. in Geography.*

**10:20** Barbara Feulner\*, Augsburg University; Ulrike Ohl\*, Augsburg University, *Location-based mobile learning*

*in geography education - theoretical background, practical implementations and empirical findings.*

**10:40** Katsuhiko Oda\*, University of Southern California, *Designing a GIS Online Course with a Learner-Centered Paradigm.*

**11:00** Michael N. DeMers, PhD\*, New Mexico State University, *Designing A Quest-Based GIS Course.*

**11:20** Brian Tomaszewski\*, The Rochester Institute of Technology; Anthony Vodacek, The Rochester Institute of Technology, *Moving Toward Online Spatial Thinking and Geographic Education in the Developing World - A Rwandan Case Study.*

**3216. The Urban Political at a Time of Late Neoliberalism II: Governing the Urban Political (Sponsored by Cultural Geography Specialty Group)**

**Room:** Columbus G, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Theresa Erin Enright, University of Toronto; Ugo Rossi

CHAIR(S): Ugo Rossi

**10:00** Crispian Fuller\*, Cardiff University, *Where is the 'organisation' in the (urban) political?.*

**10:20** Anne Vogelpohl\*, University of Hamburg, *Obstructing or Enabling Neoliberal Policies - The Key Role of Local Administration in Urban Politics.*

**10:40** Marit Rosol\*, TU Dresden / University of Frankfurt; Samuel Mössner, University of Freiburg i.Br., *The (post-)politics of urban sustainable development in times of late neoliberalism.*

**11:00** Joe Penny\*, University College London, *Downloading Austerity in London: Post-political foreclosures or the emergence of a radical pragmatism?.*

Discussant(s): Kevin Ward, University of Manchester

**3217. Reinvigorating Geographies of Science 2: Theorizing Science through Space, Place, & Scale (Sponsored by Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)**

**Room:** Columbus H, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Jake Fleming, University of Wisconsin - Madison; Elizabeth Hennessy, University of Wisconsin - Madison; Mark H Cooper, University of Wisconsin-Madison

CHAIR(S): Mark H Cooper, University of Wisconsin-Madison

**10:00** Jenny E Goldstein\*, University of California - Los Angeles, *Placing Science Below the Surface: Producing Global Climate Change Knowledge from Indonesia's Peat Soil.*

**10:20** James Porter\*, University of Leeds, *Peculiarly British? Or why place matters for constructing climate science.*

**10:40** Greta Marchesi\*, University of California Berkeley, *Imaging race from south to north: environmental determinism, anti-imperialism, and indigenous land claims in Latin America.*

**11:00** Elizabeth Hennessy\*, University of Wisconsin - Madison, *Negotiating the Field: The Politics of Making a "Natural Laboratory".*

Discussant(s): Matthew Turner, University of Wisconsin-Madison

**3218. Honoring Dr. Lawrence A. Brown: Continuity and Change: Racial/Ethnic Residential Intermixing, Income Inequality and Changing Contexts of Urban Ecology: New Frameworks (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)**

**Room:** Columbus JJ, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Madhuri Sharma, University of Tennessee, Knoxville; Michael D. Webb, University of North Carolina at Chapel Hill

CHAIR(S): Michael D. Webb, University of North Carolina at Chapel Hill

**10:00** Joe T Darden, PhD\*, Michigan State University, *Black Suburbanization in Detroit, 2000-2010.*

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**10:20** Richard Wright\*, Dartmouth College; Mark Ellis, U Washington; Gemma Catney, U Liverpool; Steven R. Holloway, U Georgia, *Spatial scale and neighborhood racial diversity in US metropolitan areas.*

**10:40** Mark Ellis\*, University of Washington; Richard Wright, Dartmouth College; Steven Holloway, University of Georgia; Lee Fiorio, University of Washington, *The pace and direction of neighborhood racial diversity transitions in US metropolitan areas, 1990-2010.*

**11:00** David W Wong\*, University of Hong Kong, *What do we measure in segregation studies?.*

**11:20** Madhuri Sharma\*, University of Tennessee, Knoxville, *Industries and the Demographic Context: A County-scale Analyses of Tennessee, 2012..*

**3219. Symposium on Space-time Behavior and Planning in Urban China II (Sponsored by China Specialty Group, Urban Geography Specialty Group)**

*Room: Columbus KL, Hyatt, East Tower; Gold Level (Paper Session)*

ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University; Donggen Wang, HONG KONG BAPTIST UNIVERSITY

CHAIR(S): Yue Shen, East China Normal University

**10:00** Yiming Tan\*, Peking University; Yanwei Chai, Peking University; Xiaomei Wang, Qinghai Normal University; Mei-po Kwan, University of Illinois at Urbana-Champaign, *Daily activity patterns of urban ethnic minority groups in cities of the western regions of China: Evidence from the city of Xining, China.*

**10:20** Jianxi Feng\*, Department of Urban Planning and Design, School of Architecture and Urban Planning, Nanjing University, *Intra-person and inter-person interactions in daily activity participation in elderly co-residence households.*

**10:40** Keke Peng\*, Shenzhen Urban Planning and Land Resource Research Center; Yonghai Sun, Shenzhen Urban Planning and Land Resource Research Center; Zhi Li, Shenzhen Urban Planning and Land Resource Research Center, *Exploring the changing mobility of commute travels in Shenzhen since 2001.*

**11:00** Jingqiu ZHANG\*, College of Applied Arts and Science, Beijing Union University; Juan Wang, College of Applied Arts and Science, Beijing Union University, *Analysis on Commuting Behavior in Beijing City: Base on IC Card and Questionnaires' Data.*

**11:20** Zuopeng Xiao\*, University of Hong Kong; Yanwei Chai, College of Urban and Environmental Sciences, Peking University; Zifeng Chen, College of Urban and Environmental Sciences, Peking University, *Gendered household mobility and social exclusion: Examine the commuting pattern of suburb residents in Beijing.*

**3220. China Geography Specialty Group Plenary Series I: David Ley, "Re-visiting the property state: the cultural relations of homeownership in Singapore, Hong Kong, China, and beyond" (Sponsored by China Specialty Group, Asian Geography Specialty Group, International Research and Scholarly Exchange Committee, Urban Geography Specialty Group)**

*Room: Grand A, Hyatt, East Tower; Gold Level (Panel Session)*

ORGANIZER(S): Guo Chen, Michigan State University

CHAIR(S): Guo Chen, Michigan State University

Introducer: Cindy Fan

Introducer: David W. Edgington

Discussant(s): Youqin Huang, SUNY - Albany

Panelists: David F. Ley, University of British Columbia

**3221. Sustainable Watershed Management: Issues in Hydrology, Water Quality, and Water Quantity (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)**

*Room: Grand B, Hyatt, East Tower; Gold Level (Paper Session)*

ORGANIZER(S): Christopher Woltemade, Shippensburg University; Matthew Deitch, Center for Ecosystem Management and Restoration

CHAIR(S): Christopher Woltemade, Shippensburg University

**10:00** Darren Ficklin\*, Indiana University, *The use of General Circulation Model output for projections of watershed hydrology.*

**10:20** William D Burke\*, Indiana University; Darren L Ficklin, PhD., Indiana University, *Assessing the impact of projected climate changes on coastal watershed hydrology in Western North America.*

**10:40** Awoke Teshager, Graduate Assistant\*, Southern Illinois University Carbondale; Silvia Secchi, Associate Professor, Southern Illinois University Carbondale; Justin Schoof, Associate Professor and Chair, Southern Illinois University Carbondale, *Assessment of impacts of agricultural scenarios and climate change on water quantity and quality of a watershed in central US.*

**11:00** Jonathan Winter\*, Dartmouth College; Brian Beckage, University of Vermont; Gabriela Bucini, University of Vermont, *Very High Resolution Climate Change Projections for Hydrologic Impacts Assessments over the Lake Champlain Basin in Vermont.*

**11:20** Johanna Engstrom\*, University of Florida; Peter Waylen, University of Florida, *Precipitation and runoff variability in southeast United States.*

**3222. Symposium on Physical Geography: Environmental Reconstruction II (Sponsored by Symposium on Physical Geography Theme)**

*Room: Grand C/D North, Hyatt, East Tower; Gold Level (Paper Session)*

ORGANIZER(S): Julie Winkler, Michigan State University;

Richard A. Marston, Kansas State University; Carol P. Harden, University of Tennessee

CHAIR(S): Richard A. Marston, Kansas State University

**10:00** Robert A. Washington-Allen\*, University of Tennessee, *Retrospective Analysis of US Dryland Carbon Dynamics.*

**10:20** Kristine L DeLong, Ph.D.\*, Louisiana State University, *Reconstructing Tropical Climate Variability from Massive Corals.*

**10:40** Bette L. Otto-Bliesner\*, National Center for Atmospheric Research; James M Russell, Brown University; Peter U Clark, Oregon State University; Zhengyu Liu, University of Wisconsin-Madison; Jonathan T Overpeck, University of Arizona; Bronwen Konecky, University of Colorado at Boulder; Peter deMenocal, Columbia University; Sharon E Nicholson, Florida State University; Feng He, University of Wisconsin-Madison; Zhengyao Lu, Peking University, *African Rainfall and Greenhouse Gases: A Lesson from the Past.*

The symposium will feature two morning sessions of invited presentations around the theme, Environmental Reconstruction - A Nexus of Biogeography, Climatology and Geomorphology. Broadly defined, environmental reconstruction involves the study of past climates, landscapes, and biological systems, along with the reclamation of altered environments. This integrative research theme cuts across the many facets of physical geography. The invited speakers include geographers and scientists from related disciplines.

**3225. Viewing the Great Lakes Through the Geospatial Periscope: Data and Tools to Help Bring Great Lakes Coastal Issues into Focus (Sponsored by Coastal and Marine Specialty Group, Chicago and the Great Lakes Region Theme)**

*Room: Grand Suite 2 AB, Hyatt, East Tower; Gold Level (Paper Session)*

ORGANIZER(S): Brandon Scott Krumwiede, The Baldwin

Group at NOAA Office for Coastal Management;

Thomas Crawford, Saint Louis University

CHAIR(S): Brandon Scott Krumwiede, The Baldwin Group at

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NOAA Office for Coastal Management

**10:00** Kim C. Diver\*, Wesleyan University; Emilie Sinkler, Wesleyan University; Ryan Edgley, California State Polytechnic University, Pomona, *A GIS Spatiotemporal Analysis of Great Lakes Water Levels, Island Area, and Species Diversity*.

**10:20** Jason E. VanHorn, PhD\*, Calvin College; Deanna van Dijk, PhD, Calvin College, *Online Interactive Michigan Coastal Dune GIS*.

**10:40** Lacey A. Mason\*, University of Michigan; Kevin E. Wehrly, Michigan DNR; Catherine M. Riseng, University of Michigan; Lizhu Wang, International Joint Commission; Edward S. Rutherford, NOAA GLERL; Mike Robertson, Ontario Ministry of Natural Resources and Forestry; James E. McKenna, Jr., USGS; Chris Castiglione, US Fish and Wildlife Service; Robert Goodspeed, University of Michigan; Beth Sparks-Jackson, University of Michigan, *Great Lakes Aquatic Habitat Framework: A spatial framework and database to support aquatic habitat classification and decision support tools..*

**11:00** Paul J. Mackun\*, U.S. Bureau Of the Census, *Population Trends in Great Lakes States and Coastal Counties: 1980-2010*.

**11:20** Brandon Scott Krumwiede\*, The Baldwin Group at NOAA Office for Coastal Management; Nathaniel Herold, NOAA Office for Coastal Management; Doug Marcy, NOAA Office for Coastal Management, *Utilizing Geospatial Data and Tools for Analysis and Visualization in the Great Lakes*.

## **3226. Fleming Lecture in Transport Geography 'Accessible accessibility research challenges' (Sponsored by Transportation Geography Specialty Group)**

*Room:* Grand Suite 3, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Tijs Neutens, Ghent University

CHAIR(S): Tijs Neutens, Ghent University

Introducer: Tijs Neutens

**10:20** Bert Van Wee\*, Delft University of Technology, *Accessible accessibility research challenges*.

Discussant(s): Antonio Paez

## **3227. CyberGIS Symposium: Frontiers in CyberGIS Education (Sponsored by Cyberinfrastructure Specialty Group)**

*Room:* Grand Suite 5, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Johnathan Rush, The Ohio State University;

Karen Kemp, University of Southern California

CHAIR(S): Johnathan Rush, The Ohio State University

Introducer: Johnathan Rush

Panelists: Britta Ricker, University of Washington Tacoma;

Wenwen Li, Arizona State University; Karen Kemp,

University of Southern California; Timothy L. Nyerges,

University of Washington; Patricia Carbajales,

Clemson University; Daniel Goldberg, Texas A&M

University

## **3228. Human Dynamics in the Mobile Age V (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Plaza A, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Xinyue Ye, Kent State University; Ming-

Hsiang Tsou, San Diego State University; Shih-Lung

Shaw, University of Tennessee

CHAIR(S): Edwin Chow, Texas State University

**10:00** Yihong Yuan\*, Department of Geography, Texas State University ? San Marcos, TX, 78666, USA; Martin Raubal, Institute of Cartography and Geoinformation, ETH Zurich, 8093 Zurich, Switzerland, *Analyzing the distribution of human activity space from mobile phone usage*.

**10:20** Christopher Allen\*, San Diego State University, *Mining*

*Tweets for Multiscale Influenza Surveillance*.

**10:40** Thomas Thevenin\*, University of Burgundy - THEMA / CNRS; Vuïdel Gilles, University of Franche Comte; kaufmant Armelle, University of Franche Comte, *Toward an exploratory spatial and temporal data analysis for Time Geography*.

**11:00** Edwin Chow\*, Texas State University; Ryan T Schuermann, Texas State University, *Relevance of Tobler's and Zipf's Laws to Web Demographics?*.

## **3229. Spaces of the Geosocial: Transnational Topologies and Topographies II**

*Room:* Plaza B, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Katharyne Mitchell, University of Washington;

Kirsi Pauliina Kallio, University of Tampere

CHAIR(S): Patricia Ehrkamp, University of Kentucky

Introducer: Kirsi Pauliina Kallio

**10:10** Jouni Hakli\*, University of Tampere, *Where is the global? Children's rights advocacy as a geosocial field*.

**10:30** Virginie Mamadouh\*, University of Amsterdam, *Everyday multilingualism and the changing geopolitics of languages*.

**10:50** Sami Moisio\*, University of Helsinki, *Spaces of learning and future subjects of capital accumulation: A geosocial inquiry into higher education*.

**11:10** Matt Sparke, Ph.D.\*, University of Washington, *Globalization and the Hegemony of Geopolitics-Geoconomics in Online Debate: Triangulating the Geosocial of a MOOC*.

Discussant(s): Katharyne Mitchell, University of Washington

## **3230. Environmental Justice Methodologies (Sponsored by Cultural and Political Ecology Specialty Group, Graduate Student Affinity Group)**

*Room:* Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Jason Post, Texas Tech University

CHAIR(S): Jason Post, Texas Tech University

**10:00** Benjamin James Gandy\*, Texas Tech University, *Lubbock County Residents' Perceptions and Awareness of Water Crisis*.

**10:20** Evan Weissman\*, Syracuse University, *Photovoice and Youth Perspectives on (more than) Food*.

**10:40** Shakil Bin Kashem\*, University of Illinois; Beverly K Wilson, University of Illinois, *Locating Housing Subsidies: a Critical Review of Low-income Housing Programs Through the Lens of Vulnerability Production and Environmental Justice*.

**11:00** Kristin Reynolds, Ph.D.\*, Independent Food Systems Researcher, *Urban Agriculture and Social Justice Scholarship: Reconciling Anti-Oppression Theories with Scholarly Practice*.

**11:20** Julie Watson\*, Oregon State University, *Beyond Cooperation: Achieving Environmental Justice in Transboundary Water Management*.

## **3231. History of Geography: Trends and Trailblazers II (Sponsored by History of Geography Specialty Group)**

*Room:* Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Dorothy Sack, Ohio University

CHAIR(S): Christina E. Dando, University of Nebraska-Omaha

**10:00** Kieran Rankin\*, Trinity College Dublin, *The Conceptual Evolution of International Boundary Studies - Insights from the Correspondence Archive of Richard Hartshorne*.

**10:20** Jonathan F. Lewis, Ph.D.\*, Benedictine University, *The Search for a Science of Society: Geography and Human Ecology at the University of Chicago*.

**10:40** Joshua E Bucher\*, South Dakota State University, *Tribute to John Fraser Hart*.

**11:00** Harold Moellering\*, Ohio State University, *Assessing the Relationship between Analytical Cartography and GIScience*.



**THURSDAY, APRIL 23 • 10:00 AM - 11:40 AM • 3200**

- 3232. Critical reflections on the past, present and future of political ecology (or, 55 authors in 48 chapters): The Routledge Handbook of Political Ecology (Sponsored by Cultural and Political Ecology Specialty Group)**

**Room:** *Comiskey, Hyatt, West Tower, Bronze Level* (Panel Session)  
**ORGANIZER(S):** Tom Perreault, Syracuse University; James McCarthy, Clark University; Gavin Bridge, Durham University  
**CHAIR(S):** Tom Perreault, Syracuse University  
**Introducer:** Tom Perreault  
**Discussant(s):** James McCarthy, Clark University; Gavin Bridge, Durham University  
**Panelists:** Diana M. Liverman, University of Arizona; Rod Neumann, Florida International University; Wendy Welford, Cornell University; Rosemary-Claire Collard, University of Toronto; Giorgos Kallis, Universitat Autònoma de Barcelona

- 3233. Remnants of No Man's Land: History, theory and excess**

**Room:** *Gold Coast, Hyatt, West Tower, Bronze Level* (Paper Session)  
**ORGANIZER(S):** Noam Leshem, Department of Geography, Durham University  
**CHAIR(S):** Noam Leshem, Department of Geography, Durham University  
**10:00** Claudio Minca, Professor\*, Wageningen University; Paolo Giaccaria, University of Torino, *Nazi No-Man's-Land and the spatialities of the Ban*.  
**10:20** Derek Gregory\*, University of British Columbia, *Journeys from 'No Man's Land', 1914-1918*.  
**10:40** Alasdair Pinkerton\*, Royal Holloway, University of London; Noam Leshem\*, Department of Geography, Durham University, *Remnants of No Man's Land*.  
**11:00** Najeeb A. Jan\*, University of Colorado, *What IS IS? The Meta-Colonial and The Excess of Political Islam*.  
**11:20** Jennifer Jean Bagelman, Dr\*, Durham University, *No (Wo)Man's Land: A Feminist Geopolitical Reading of 'Chemical Valley'*.

- 3235. Dynamic Ridesharing: Disrupting transportation one city at a time. (Sponsored by Transportation Geography Specialty Group)**

**Room:** *Picasso, Hyatt, West Tower, Bronze Level* (Panel Session)  
**ORGANIZER(S):** Joseph J. Di Gianni, Montclair State University; Greg Phillip Griffin, The University of Texas at Austin  
**CHAIR(S):** Joseph J. Di Gianni, Montclair State University  
**Panelists:** Joseph J. Di Gianni, Montclair State University; Greg Phillip Griffin, The University of Texas at Austin; Martin Lanzendorf; Hannah Johnston, Queen's University

- 3236. Public Art Geographies of Transculturalism (Sponsored by GeoHumanities Theme, Cultural Geography Specialty Group)**

**Room:** *Water Tower, Hyatt, West Tower, Bronze Level* (Paper Session)  
**ORGANIZER(S):** Martin Zebracki, University of Leeds; Joni M. Palmer, University of Colorado at Boulder; Pauline GUINARD, Ecole normale supérieure de Paris  
**CHAIR(S):** Martin Zebracki, University of Leeds  
**Introducer:** Joni M. Palmer  
**10:10** Norma Rantisi\*, Concordia University; Deborah Leslie\*, University of Toronto, *Unpacking the Politics of the Social Circus in Montreal*.  
**10:30** Willie Wright, Doctoral Student\*, UNC Department of Geography; Cameron Herman, Doctoral Student, MSU Department of Sociology, *"Rite Beyond the Site": White Gentrifying Bodies and Black (Art) Geographies in Houston's Third Ward*.  
**10:50** Scott A Heyes\*, The University of Canberra, *Counter-Mapping in an Australian Aboriginal Community: Reshaping Perceptions of Country*.  
**11:10** Pauline GUINARD\*, Ecole normale supérieure de Paris, *The art of (re)crossing the border: the "Border Farm"*

*project in Maroi, South Africa.*

**Discussant(s):** Martin Zebracki, University of Leeds; Joni M. Palmer, University of Colorado at Boulder; Pauline GUINARD, Ecole normale supérieure de Paris

- 3237. Landscapes and Resources**

**Room:** *Wrigley, Hyatt, West Tower, Bronze Level* (Illustrated Paper Session)  
**ORGANIZER(S):** Program Committee  
**CHAIR(S):** Kimberley Naqvi, Thompson Rivers University  
**10:00** Darcy L. Boellstorff\*, Bridgewater State University, *Terrain derivative analysis for soils in Plymouth County, Massachusetts*.  
**10:05** John H. Kelly\*, AGS/Univ of Kansas, *Transparent Web Maps as a Participatory Tool for Indigenous Governance*.  
**10:10** David Gentile\*, *Spatial Analysis of Socioeconomic Conditions in Oil Boom Counties of North Dakota*.  
**10:15** Tedy Tuesta Torrejón\*, Universidad Nacional de Ucayali, *Economic Valuation of the Carbon Captured in the Floodplain Forests of the Peruvian Amazon: A Case Study from Ucayali*.  
**10:20** Tong Jiao\*, Clark Graduate School of Geography, Clark University, Worcester, MA 01610; Matthew Gibb\*, GIS for Development and Environment, Department of International Development Community and Environment, Clark University, Worcester MA 01610; John Rogan, Clark Graduate School of Geography, Clark University, Worcester, MA 01610; Arthur Elmes, Clark Graduate School of Geography, Clark University, Worcester, MA 01610; Deborah Martion, Clark Graduate School of Geography, Clark University, Worcester, MA 01610, *Characterizing Ecosystem Services from Department of Conservation and Recreation Replanting Program in Central Massachusetts, USA*.  
**10:25** Andrea Birgit Chavez\*, Universidad Nacional de Ucayali, Pucallpa, Peru; William Portocarrero, Universidad Nacional de Ucayali, Pucallpa, Perú; Jenny Arimuya, Universidad Nacional de Ucayali, Pucallpa, Perú; Kelsen Arbaiza, Universidad Nacional de Ucayali, Pucallpa, Perú; Segundo Avalos, Universidad Nacional de Ucayali, Pucallpa, Perú; Abel Bazan, Universidad Nacional de Ucayali, Pucallpa, Perú; Lyan Campos, Universidad Nacional de Ucayali, Pucallpa, Perú; Jorge Espinoza, Universidad Nacional de Ucayali, Pucallpa, Perú; Alexander Fasanando, Universidad Nacional de Ucayali, Pucallpa, Perú; Brandon Gonzalez, Universidad Nacional de Ucayali, Pucallpa, Perú; Cristhian Lopez, Universidad Nacional de Ucayali, Pucallpa, Perú; Antero Luna, Universidad Nacional de Ucayali, Pucallpa, Perú; Nino Manlio, Universidad Nacional de Ucayali, Pucallpa, Perú; Vianca Meza, Universidad Nacional de Ucayali, Pucallpa, Perú; Lucia Perea, Universidad Nacional de Ucayali, Pucallpa, Perú; Carlos Rengifo, Universidad Nacional de Ucayali, Pucallpa, Perú; Brady Romero, Universidad Nacional de Ucayali, Pucallpa, Perú; Jhovana Sifuentes, Universidad Nacional de Ucayali, Pucallpa, Perú; Victor Vasquez, Universidad Nacional de Ucayali, Pucallpa, Perú, *Understanding Land-use/Land-cover dynamics at local scales in the Yurua and Purus Region, Ucayali, Peru*.  
**10:30** Hendrik Hänke\*, Department of Agricultural Economics and Rural Development; University of Göttingen, Germany; Jan Barkmann, *Insurance Funtion of Livestock: Farmer'S Coping Capacity With Regional Droughts In South-Western Madagascar*.  
**10:35** James Thomas Erbaugh\*, University of Michigan, *Javanese Afforestation: Where, How, and Why?*.  
**10:40** Chelsea Nestel\*, University of Wisconsin - Madison, *Designing an Experience: Maps, Signage, and the*

**THURSDAY, APRIL 23 • 10:00 AM - 11:40 AM • 3200***Tourist Path through Troy.*

**10:45** Jeremy L. Sundberg\*, Augustana College, *Trial Assessment of Black Hawk Historical Site.*

**10:50** Kamila Klingorova\*, Charles University in Prague, *Religious Landscape in Secular State: the Case of Czechia.*

**10:55** Kimberley Naqvi\*, Thompson Rivers University, *Evolving Visions of Modernity: Landscapes of Albert Anker and Paul Klee.*

**3238. Weather, Climate, and Health II: Sensing Urban Environments (Sponsored by International Geospatial Health Research Network, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* Acapulco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): David M. Hondula, Arizona State University; Michael Allen, Old Dominion University; Jennifer K. Vanos, Texas Tech University

CHAIR(S): Michael Allen, Old Dominion University

**10:00** Jennifer K. Vanos, PhD\*, Texas Tech University; Terry Gillespie, PhD, University of Guelph; Robert Brown, PhD, University of Guelph; Aaron Hardin, Texas Tech University, *Capabilities and comparisons of instruments measuring radiation for utilization within outdoor thermal comfort studies.*

**10:20** David M. Hondula\*, Arizona State University; Evan R. Kuras, Arizona State University; Benjamin L. Ruddell, Arizona State University; Erik W. Johnston, Arizona State University; Sharon L. Harlan, Arizona State University; Summer Betzel, Arizona State University; Christopher Dastan, Arizona State University; Jason Eneboe, Arizona State University; Miranda Kaml, Arizona State University; Mary Munoz, Arizona State University; Lauren Rohan-Kohl, Arizona State University; Marianna Singh, Arizona State University; Mara Sevig, Arizona State University, *How Hot Are We? Individually Experienced Temperatures in Phoenix, Arizona.*

**10:40** Colin Robertson\*, Wilfrid Laurier University; Robert Feick, University of Waterloo; Ketan Shankardass, Wilfrid Laurier University, *Stress, place, and the city: Sensing the StressScape.*

**11:00** Meghan Mooney\*, University of Denver, *Using Mixed Methods GIS to Reveal the Feedback between Space and Pedestrian Behavior.*

**3239. Women's Health Care Geographies (Sponsored by International Geospatial Health Research Network, Health and Medical Geography Specialty Group)**

*Room:* Atlanta, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Elizabeth Ann Dykstra Huenecke; James L. Wilson, Northern Illinois University

CHAIR(S): Elizabeth Ann Dykstra Huenecke

**10:00** Elizabeth Ann Dykstra Huenecke\*, Northern Illinois University, *Exploring Disparities in Access to Comprehensive Maternal Care in North Carolina.*

**10:20** Ana Grahovac\*, University of Illinois, *The Geographies of Abortion Access in Indiana.*

**10:40** Michele Bolduc\*, University of Kentucky, *The Politics of Immigrant Women's Health Care in Immokalee, FL.*

**11:00** Kristen S Borre, Ph.D., MPH\*, Northern Illinois University, *Women Health Care Providers and Women Seeking Health Care: Conflicts in Constructions of Time and Space.*

**11:20** Karen D. Johnson-Webb, Ph.D.\*, Bowling Green State University, *The Spatiality of Racism, Maternal Stress and Poor Birth Outcomes.*

**3240. Mobile Computing, Activity Space, and Social Networks: Health Applications from NIH Projects (Sponsored by Geographic Information Science and Systems Specialty**

**Group, International Geospatial Health Research Network, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Jeremy Mennis, Temple University;

Debarchana Ghosh, University of Connecticut;

Bethany Deeds, National Institute on Drug Abuse

CHAIR(S): Debarchana Ghosh, University of Connecticut

**10:00** Neng Wan\*, University of Utah, *Understanding life-space characteristics based on smart-phone collected data.*

**10:20** Jeremy Mennis\*, Temple University; Michael J Mason, Ph.D., Virginia Commonwealth University; John Light, Ph.D., Oregon Research Institute; Julie Rusby, Ph.D., Oregon Research Institute; Erika Westling, Ph.D., Oregon Research Institute; Thomas Way, Ph.D., Villanova University; Nikola Zaharakis, Ph.D., Virginia Commonwealth University, *Real-Time Tracking of Location and Mood for Investigating Contextual Influences on Adolescent Substance Use.*

**10:40** Christopher R. Browning\*, Ohio State University; Jodi L. Ford, Ohio State University; Mei-Po Kwan, University of Illinois at Urbana-Champaign, *Activity Space Exposures and Physiological Stress Among Urban Adolescents.*

**11:00** Debarchana Ghosh\*, University of Connecticut, Geography; Frederick L. Altice, Yale University, School of Medicine, *Spatializing Egocentric Social Networks: Does Geography Matter in Social Networks?.*

Discussant(s): Bethany Deeds, National Institute on Drug Abuse

**3241. Spatial Epidemiology II: Spatial Patterns and Clustering (Sponsored by Geographic Information Science and Systems Specialty Group, International Geospatial Health Research Network, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* New Orleans, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Eric M. Delmelle, UNC-Charlotte; Tijis

Neutens, Ghent University

CHAIR(S): Eric M. Delmelle, UNC-Charlotte

**10:00** Emily Grise, BES\*, University of Toronto, Department of Geography; Ron Buliung, PhD, University of Toronto, Department of Geography; Linda Rothman, BScOT, MHSc, PhD, York University, Norman Bethune College, Faculty of Health-School of Kinesiology & Health Science; Andrew Howard, MD, FRCSC, MSc, The Hospital for Sick Children, Child Health Evaluative Sciences, and Orthopaedic Surgery; University of Toronto, Departments of Surgery & Health Policy, and Management & Evaluation, *Exploring spatial patterns of pedestrian injury by age and severity in Toronto, Canada.*

**10:20** Kevin A Henry, PhD\*, Temple University, Department of Geography & Urban Studies; Jerald Fagliano, PhD, New Jersey Department of Health, Trenton, NJ; Heather Jordan, MPH, New Jersey Department of Health, Trenton, NJ; McKing Consulting Corporation, Atlanta, GA; Lindsay Rechtman, MPH, New Jersey Department of Health, Trenton, NJ; McKing Consulting Corporation, Atlanta, GA; Wendy Kaye, PhD, McKing Consulting Corporation, Atlanta, *Geographic variation and area-based socioeconomic differences in Amyotrophic Lateral Sclerosis incidence in New Jersey, 2009-2011.*

**10:40** Kristian Larsen\*, The Hospital for Sick Children and University of Toronto; Teresa To, The Hospital for Sick Children; Jingqin Zhu, The Hospital for Sick Children; Devon Williams, The Hospital for Sick Children; Jacqueline Simatovic, The Hospital for Sick Children; The CRRN Environmental Health Team, *Does where you live matter? Assessing how air pollution relates to asthma and COPD.*

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- 11:00** Eun-hye Enki Yoo\*, University At Buffalo (SUNY), *Moving from static monitoring to activity-based dynamic air pollution exposure assessment.*
- 11:20** Raid Amin\*, University of West Florida; Aletheia Zambesi, University of West Florida; Toni Charlot, University of West Florida, *A Cluster Analysis of Carcinogenic Air Pollution in the USA: From Counties to Census Tracts to Block Groups to Blocks.*
- 3242. Prisons, Race, Empire, and Militarism**  
**Room:** *Regency A, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Rashad Shabazz, The University of Vermont  
 CHAIR(S): Laura Pulido, University of Southern California  
**10:00** Joshua F. Inwood\*, University of Tennessee; Anne Bonds, University of Wisconsin Milwaukee, *Confronting White Supremacy and a Militaristic Pedagogy in the US Settler Colonial State..*  
**10:20** Rashad Shabazz\*, The University of Vermont, *The Emergence of Carceral Power In Black Chicago.*  
**10:40** Anne Bonds\*, University of Wisconsin, Milwaukee; Josh Inwood, University of Tennessee, *Beyond White Privilege: White Supremacy, Settler Colonialism, and Anti-Racist Geographies.*  
**11:00** Alvaro Reyes\*, UNC-Chapel Hill, *Value: The Origins of Racialized Capitalism.*  
**11:20** Leah Marion Roberts\*, Vanderbilt University, *Navigating Heteronormativity and Racism in a Southern School District.*
- 3243. The Crisis in Ukraine and Emergent Geographic Implications 2 (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**  
**Room:** *Regency B, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): John Biersack, University of Kansas; Austin Charron, University of Kansas  
 CHAIR(S): Austin Charron, University of Kansas  
**10:00** Catherine Cottrell, PhD\*, Aberystwyth University, *"Estonia will Never Stand Alone": Implications of the Ukrainian-Russian Conflict on Security Discourses in Estonia.*  
**10:20** Grigory Ioffe\*, Radford University, *Belarus: Silver Linings from the Crisis in Ukraine.*  
**10:40** Michelle K. Alger\*, University of Oregon, *Energy, Independence, and Security: Russian Influence and the EU Response.*  
**11:00** Danielle Guthrie\*, South Dakota State University, *Geopolitical Ripples: Impacts and Repercussions of the Ukrainian Crisis in Relation to Romania.*  
 Discussant(s): Doug Foster, University of Oregon
- 3244. Move-in move-out: Impact of new flows and mobilities on translocal development (cont.) (Sponsored by Development Geographies Specialty Group)**  
**Room:** *Regency C, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Annelies Zoomers, Utrecht University; Maggi W.H. Leung, Utrecht University  
 CHAIR(S): Maggi W.H. Leung, Utrecht University  
**10:00** Griet Steel\*, Utrecht University, *Female online entrepreneurship and virtual mobility across and beyond the city of Khartoum, Sudan.*  
**10:20** Louise Helen Ackers\*, University of Salford UK, *From Capabilities to Impact: The Role of Mobile Professional Voluntarism in Health Worker Motivation.*  
**10:40** John Overton\*, Warwick E Murray, *Geographies of aid, migration and education in the Pacific Islands.*  
**11:00** David J. Truly, Ph D\*, Universidad de Autonoma Guadaluajara, *International Retirement Migration to Mexico: Trends and Comparisons.*  
**11:20** Frankie Refuerzo\*, Harvard University, *The Diasporic Return of Capital: Diasporas as Investment Channels for Development in the Philippines.*
- 3245. The Value of Capitalist Natures III: Life, Waste, Finance (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)**  
**Room:** *Regency D, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Kelly Kay, Clark University; Miles Kenney-Lazar  
 CHAIR(S): Kelly Kay, Clark University  
**10:00** Adam Romero\*, University of California Berkeley, *Capital's Demon: Industrial Sorting and A Theory of Dark Value.*  
**10:20** Chris Knudson\*, Clark University, *Commodification by Other Means: Mitigating and Adapting to Risk through Financialization.*  
**10:40** Sarah E. Knuth\*, Oberlin College, *Green Value and the New Defense of Property.*  
**11:00** Jessica Dempsey\*, University of Victoria; Rosemary-Claire Collard, Concordia University, *Between biopolitical and exchange value: the legalities of lively commodities.*  
 Discussant(s): Leigh Johnson, University of Zurich
- 3246. Author Meets Critics: Debt to Society: Accounting for Life in Capitalism by Miranda Joseph, University of Minnesota Press (August 2014)**  
**Room:** *San Francisco, Hyatt, West Tower, Gold Level* (Panel Session)  
 ORGANIZER(S): Mark Kear, Simon Fraser University  
 CHAIR(S): Mark Kear, Simon Fraser University  
 Discussant(s): Miranda Joseph, University of Arizona  
 Panelists: Mark Kear, Simon Fraser University; Jared Powell, University of Arizona; Geoffrey Boyce, University of Arizona; Alexander Karaman
- 3247. Sustainable Supply Chains (I): Interventions and governance**  
**Room:** *Toronto, Hyatt, West Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Kimberly M. Carlson, University of Minnesota; Rachael Garrett, Harvard University; Holly Gibbs, University of Wisconsin-Madison  
 CHAIR(S): Rachael Garrett, Harvard University  
**10:00** Holly Gibbs\*, University of Wisconsin-Madison, *Zero-Deforestation Agreements are Transforming Cattle Supply Chains in the Brazilian Amazon.*  
**10:20** Ticiana De Aquino Amaral\*, University of Wisconsin; Holly Kristin Gibbs, Professor, University of Wisconsin, *The role of Federal Prosecutors (MPF) in reducing cattle-related deforestation in the Brazilian Amazon.*  
**10:40** Yann le Polain de Waroux\*, Stanford University; Eric F. Lambin, *Deforestation Leakage to the Gran Chaco, South America.*  
**11:00** Robert Heilmayr\*, Stanford University, *Market campaigns as a tool for conservation: effectiveness of Chile's forest substitution moratorium.*  
**11:20** Peter Newton\*, University of Colorado, Boulder, *Pathways to sustainability: the past, present, and future of certification as a mechanism for improved governance.*
- 3248. Speed-Dating with an NSF Program Officer (Opportunity 2 of 3) (Sponsored by AAG Jobs and Careers Theme)**  
**Room:** *Crystal A, Hyatt, West Tower, Green Level* (Panel Session)  
 ORGANIZER(S): Thomas J. Baerwald, National Science Foundation  
 CHAIR(S): Thomas J. Baerwald, National Science Foundation
- 3249. Academic Worker Inquiry: Knowledge-Workers and the Journal-Industrial Complex**  
**Room:** *Crystal B, Hyatt, West Tower, Green Level* (Panel Session)  
 ORGANIZER(S): Christian Anderson, University of Washington at Bothell; Amanda Huron, University of the District of Columbia; Jesse Goldstein, Virginia Commonwealth University  
 CHAIR(S): Christian Anderson, University of Washington at

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Bothell

Introducer: Trina Hamilton

Discussant(s): Cindi Katz, CUNY Graduate Center; Jesse Goldstein, Virginia Commonwealth University

Panelists: Freeda Brook, Roosevelt University Library; Lawrence D. Berg, University of British Columbia

**3250. Spatial Big Data and Everyday Life II (Sponsored by Cultural Geography Specialty Group)**

Room: Crystal C, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Agnieszka Leszczynski, University of Birmingham; Jeremy Crampton, University of Kentucky

CHAIR(S): Jeremy Crampton, University of Kentucky

**10:00** Clancy Wilmott\*, University of Manchester, *Being big data: the everyday experience of cartographic reason.***10:20** Daniel G. Cockayne\*, University of Kentucky, *The Value of Data: Prosumption as Work Performance and Practice in San Francisco's Digital Media Sector.***10:40** Toby Moore\*, US Department of Justice, *Big Data and Civil Rights: Evidence from Voter ID Litigation in the United States.***11:00** Luis Felipe Alvarez\*, UCLA, *What Makes a Map and Who Owns It? Property Regimes and the Paradox of Availability in the Geoweb.***11:20** James Thatcher\*, University of Washington - Tacoma, *The stories we tell ourselves about the data we give off to others: how end-users understand, accept, and manipulate mobile spatial information.***3251. Everyday geographies of global, urban infrastructures of energy II (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)**

Room: Stetson A, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Anthony Levenda; Jon Silver, Durham University

CHAIR(S): Jon Silver, Durham University

**10:00** Sinan Erensu\*, University of Minnesota - Minneapolis, *The Rise and Fall of Turkish Energy and The Fragility of Politics of Infrastructure.***10:20** Itay Fishhendler\*, Hebrew University, *Marketing Renewable Energy through Geopolitics: Solar Farms in Israel.***10:40** Llinos Brown\*, University of Central Lancashire, *Energy Cultures in the workplace: exploring the influences on employee energy consumption.***11:00** Tom Fletcher\*, Bishop's University, *Climate change as environmental injustice: Canada, China and the USA? Who's doing what?.***11:20** Aaron Franks\*, Queen's University; Jeff Masuda, Queen's University; Heather Castleden, Queen's University, *Transforming the environmental health paradigm through climate justice work: popular education and place-making in the Scottish Central Belt.***3252. Transforming the Concept of 'Sustainability' in Tourism Geographies (Sponsored by Recreation, Tourism, and Sport Specialty Group)**

Room: Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Jarkko J. Saarinen, University of Oulu; Alison M. Gill, Simon Fraser University

CHAIR(S): Jarkko J. Saarinen, University of Oulu

**10:00** Alison M. Gill\*, Simon Fraser University; Peter W. Williams, Simon Fraser University, *Transforming Resort Governance in Whistler: Sustainability and Aboriginal Engagement.***10:20** Bright Adiyia\*, KU Leuven (Belgium), *(Ab)using the "sustainable development" label. The role of corporate-SMME linkages in extending tourism to regional development, the case of Uganda..***10:40** Ben Iaquinto\*, University of Melbourne, *Backpacker Destinations: geographies of tourism and**sustainability.***11:00** Emrullah Erul\*, Texas A&M University; Kyle M. Woosnam, Texas A&M University, *Examining Antalya residents' perspectives about the impacts of all-inclusive resorts across socio-demographic and -economic indicators.***3253. Citizen Science and Geoweb (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**

Room: Stetson D, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Bandana Kar, University of Southern Mississippi; Rina Ghose, University of Wisconsin Milwaukee; Hilary Geoghegan, University of Reading

CHAIR(S): Bandana Kar, University of Southern Mississippi

**10:00** Andrea Minano\*, University of Waterloo, *Geoweb Tools for Climate Change Adaptation: A Case Study in Nova Scotia's South Shore.***10:20** Jana M Viel\*, UW-Milwaukee, *Habitat Preferences of the Common Nighthawk (Chordeiles minor) in Cities and Villages in Southeastern Wisconsin.***10:40** Kelly Hibbeler Albus, M.S.\*, University of North Texas, Texas A&M AgriLife Research, *Recovery Potential Screening and Citizen Science to Inform Water Quality Management in the Trinity River Basin (Texas).***11:00** Kevin Sparks\*, The Pennsylvania State University; Alexander Klippel, The Pennsylvania State University; Jan Oliver Wallgrün, The Pennsylvania State University; David Mark, NCGIA & Department of Geography, University at Buffalo, *Assessing Environmental Information Channels for Citizen Science Land Cover Classification.***11:20** Robert Edsall\*, Idaho State University, *Case Studies in Citizen-enabled Geospatial Inquiry.***3254. Intellectual currents in Italian geography**

Room: Stetson E, Hyatt, West Tower, Purple Level (Panel Session)

ORGANIZER(S): Jason Dittmer, University College London

CHAIR(S): Jason Dittmer, University College London

Panelists: Juliet Fall, University of Geneva; Cesare Di Felicianantonio, Sapienza- University of Rome &amp; KU Leuven; Filippo Celata, Università di Roma la Sapienza; Elena Dell'Agnese, Università Di Milano-Bicocca

**3255. Legal Geographies 10: Human and More-Than-Human Environments, C - Water/Wetlands/Wildlife**

Room: Stetson F, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): John Carr, University of New Mexico

CHAIR(S): John Carr, University of New Mexico

**10:00** Carl J Bauer, Ph.D.\*, University of Arizona, *The Law of the Pendulum? Water Conflicts and Governance in Chile since Reform in 2005.***10:20** Karin Patzke\*, Rensselaer Polytechnic Institute, *Valuing Constituency: Property Assessments, Land Management and Environmental Stewardship in Central Texas..***10:40** Alida Cantor\*, Clark University, *Legal geographies of water: The Public Trust Doctrine and water transfers and diversions in California.***11:00** Josephine Gillespie, PhD\*, The University of Sydney, Australia, *The view from elsewhere: exploring non-Western human-environment regulatory arrangements.*

Discussant(s): Melinda Harm Benson, University of New Mexico

**3256. Condo-ism II: Corporate Governance, Legal Consciousness, Financialization, and Urban Life**

Room: Stetson G, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Alan Walks, University of Toronto; Setha Low, The Graduate Center of the City University of New York

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CHAIR(S): Alan Walks, University of Toronto

**10:00** Rebecca Leshinsky, Ph.D., Australian Catholic University; Clare M. Mouat, Ph.D.\*, University of Western Australia, *Recognizing 'community' in law reforms regulating rising condo-ism: hard lessons and soft learnings from Melbourne and Toronto.*

**10:20** Andre Sorensen\*, University of Toronto, *Condominium Geographies: Property Law, Land Development, and the Spatial Imprints of Legal Institutions.*

**10:40** Setha Low, Ph.D.\*, The Graduate Center of the City University of New York, *When Legal Consciousness and Consensus Matter: How Some Condominiums Produce Positive (as well as Negative) Social Relations.*

**11:00** Ute Lehrer\*, York University, *Condo towers in suburbia.*  
Discussant(s): Mark Davidson, Clark University

## 3257. Marxist geography 1: Use and critique of David Harvey's work

Room: Addams, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Jamie Gough, Sheffield University; Raju J. Das, York University

CHAIR(S): Robert M. Bridi

**10:00** Cory Jansson\*, York University, *Gentrification in Neukölln, Berlin: A Story of Accumulation by Dispossession and Housing Financialization.*

**10:20** Raju J. Das\*, York University, *David Harvey's Theory of Uneven Development: A Critical Assessment From a Marxist Vantage point.*

**10:40** Michelle Yates, Ph.D.\*, Columbia College Chicago, *Waste, Crisis, and the Ecological Limits to Capital.*

**11:00** Jamie Gough, Dr\*, Sheffield University, *Critique of Harvey's strategy for socialist regional politics.*

**11:20** Elif Karacimen, Assist. Prof. Dr.\*, Recep Tayyip Erdogan University, Department of Economics; Ozlem Celik, Dr., Middle East Technical University, Department of Political Science and Public Administration, *The Changing Form of Housing Finance in Turkey since 2000.*

## 3258. Global Translation and Creation of Knowledge and Practices 2

Room: Burnham, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Harald Bathelt, University of Toronto; Sarah Hall, University of Nottingham; Pengfei Li

CHAIR(S): James Faulconbridge, Lancaster University

**10:00** Patrick Serge Cohendet\*, HEC Montreal, *A creative process bridging local and global knowledge: the case of "El Bulli"...*

**10:20** Peng-Fei Li, University of Toronto; Harald Bathelt\*, University of Toronto, *An Evolutionary Model of Cross-National Knowledge Networks and FDI Linkages.*

**10:40** Sarah Hall, Dr\*, University of Nottingham, *Translating money cultures: renminbi internationalisation in the City of London.*

**11:00** Johannes Glückler\*, Heidelberg University; Robert Panitz\*, Heidelberg University, *How digital media firms gain market intelligence: temporary rewiring in global supply networks.*

**11:20** Yue-fang Si\*, East China Normal University, *Location, Knowledge and Network of Chinese R&D Centers: The case of Huawei.*

## 3259. From Kreuzberg to Williamsburg (2): Exploring the trans-local nature of cultural scenes and the creation and diffusion of knowledge, practices and value(s) across space, scale and industry. (Sponsored by Cultural Geography Specialty Group)

Room: Dusable, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Chiara Valli, Uppsala University; Brian J. Hraes, University of Southampton; Taylor Brydges,

Uppsala University

CHAIR(S): Taylor Brydges, Uppsala University

**10:00** Tarek E Virani\*, Queen Mary, University of London, *Investigating a new trans-local reality: the importance of trans-local connections in an increasingly fragmented music scene landscape.*

**10:20** Su-Hyun Berg\*, Uppsala University, Sweden, *Global buzz and trans-local knowledge transfer: The case of the film and TV industry cluster in Sweden.*

**10:40** Yosha Wijngaarden, MSc MA\*, Erasmus University Rotterdam, *Locational narratives in creative clusters: consuming local buzz and producing local authenticity.*

**11:00** Jeff Boggs\*, Brock University; Stephanie Murray, Brock University, *Theorizing information brokerage: locating St. Catharines in the field of North American interactive digital media.*

**11:20** Aysegul Yeniaras\*, University of South Carolina, *The Spread of Clusters And The Flow of Inventors.*

## 3260. Bridging Postcolonial and Posthumanist Geographies I (Sponsored by Cultural Geography Specialty Group)

Room: Field, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Mark Simon Jackson, University of Bristol; Matthew Clay Watson, Texas Tech University; Maan Barua, University of Oxford

CHAIR(S): Mark Simon Jackson, University of Bristol

**10:00** Mark Simon Jackson\*, University of Bristol, *Geographies Beyond Postcolonial Critique.*

**10:20** Noah Theriault\*, University of Oklahoma, *Environments of De/colonization.*

**10:40** Amanda Caroline Thomas, Dr\*, Independent Researcher, *Indigenous more-than-humanisms: expanding space for relational ethics in Aotearoa New Zealand.*

**11:00** Julie E Hughes, PhD\*, Vassar College, *Thinking with the Indian Pangolin.*

Discussant(s): Matthew Clay Watson, Texas Tech University

## 3261. Doing Situated Urban Political Ecology 2: Reflections from the Field (Sponsored by Africa Specialty Group)

Room: Horner, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Sarah Smiley, Kent State University at Salem; Hilary Hungerford, South Dakota State University; Mary Lawhon

CHAIR(S): Mary Lawhon

Panelists: Malini Ranganathan, American University; Garth Andrew Myers, Trinity College; Mary Lawhon; Jennifer L. Rice, The University of Georgia; Henrik Ernstson, Stanford University, KTH & Univ of Cape Town; Jeremia Njeru, West Virginia University

## 3262. Sustainable Energy for All: Renewable Energy and Decentralisation (2) (Sponsored by Energy and Environment Specialty Group, Development Geographies Specialty Group)

Room: McCormick, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): John Harrison, Loughborough University; Simon Batchelor, Gamos Ltd

CHAIR(S): John Harrison, Loughborough University

**10:00** Marian Chertow, Assoc Prof\*, Yale School of Forestry and Environmental Studies; Junming Zhu, Yale School of Forestry and Environmental Studies; Valerie Moye, Yale School of Forestry and Environmental Studies, *Industrial Symbiosis at the Urban Boundary.*

**10:20** Simon Batchelor\*, Gamos Ltd, *Supporting African Municipalities in Sustainable Energy Transitions.*

**10:40** Sarah Kelly-Richards\*, School of Geography and Development, University of Arizona, *Contested Territories in Chile's Emerging Landscape of Small Hydropower.*

**11:00** Shikha Lakanpal\*, University of Illinois, *Politics of prioritization in the hydropower regime- A case study from the Himalayas.*

# THURSDAY, APRIL 23 • 10:00 AM - 11:40 AM • 3200

## 3263. Remote Sensing of Vegetation Disturbance (II): Drought and Desertification (Sponsored by Remote Sensing Specialty Group)

Room: Ogden, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Rebecca L. Powell, University of Denver  
CHAIR(S): Hoa Thi Tran, Virginia Tech

10:00 Eman Ghoneim, Professor, University of North Carolina Wilmington; Caroline Rae Narron, Graduate Student\*, University of North Carolina - Wilmington; Essam Hammam, Professor, King Abdulaziz University - Center of Excellence in Environmental Studies; Talal B Almeelbi, Center Deputy Director, King Abdulaziz University - Center of Excellence in Environmental Studies; Iqbal M Ismail, Associate Professor, King Abdulaziz University - Center of Excellence in Environmental Studies; Jalal M Basahi, Professor, King Abdulaziz University - Center of Excellence in Environmental Studies; Ibrahim A Hassan, Professor, King Abdulaziz University - Center of Excellence in Environmental Studies, *Mapping Drought Risk of the Kingdom of Saudi Arabia using Geospatial Techniques*.

10:20 Alina Jakubcanin\*, Geography and Geology Department, UNCW; Eman Ghoneim, Geography and Geology Department, UNCW; Douglas Gamble, Geography and Geology Department, UNCW; Michael Benedetti, Geography and Geology Department, UNCW; Lynn Leonard, Geography and Geology Department, UNCW, *Drought Vulnerability Assessment in Tunisia Using Remote Sensing and GIS Techniques*.

10:40 Hua Sun, Central South University of Forestry & Technology; Guangxing Wang, Southern Illinois University Carbondale; Santosh Rijal, Southern Illinois University Carbondale; Guangping Qie\*, Southern Illinois University; Minzi Wang, Southern Illinois University Carbondale, *Improvement of Desertification Mapping for Beijing-Tianjin Sandstorm Source Control Area Using Spectral Unmixing Analysis at Multi-resolution*.

11:00 Hoa Thi Tran, PhD Student\*, Geography, Virginia Tech; James Campbell, Professor, Geography, Virginia Tech, *Sequential Landsat imagery applied to examine desertification and moving sand dunes in coastal Vietnam*.

## 3264. Hurricanes II: Risk, Vulnerability, Resilience (Sponsored by Coastal and Marine Specialty Group)

Room: Wright, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University

CHAIR(S): Harry Williams, University of North Texas

10:00 Jill C. Trepanier\*, Louisiana State University; Kelsey N Ellis, PhD, University of Tennessee; Clay Tucker, Louisiana State University, *Hurricane Risk Variability Along the Gulf of Mexico Coastline*.

10:20 Jaclyn Catania\*, East Carolina University, *Super Storm Sandy Infrastructure Damage Variations: A Case Study in Long Beach, NY*.

10:40 Kelsey N. Ellis\*, University of Tennessee; Linda M. Sylvester, University of Tennessee; Jill C. Trepanier, Louisiana State University, *Spatiotemporal patterns of extreme hurricanes impacting U.S. coastal cities*.

11:00 Michelle Saunders\*, University of Alabama, *Perceptions of Hurricane Hazards in the Mid-Atlantic*.

## 3265. 2015 Student Honors Paper Competition II (Sponsored by Remote Sensing Specialty Group)

Room: Michigan A, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Iliyana Dobrova, Texas A&M University

CHAIR(S): Iliyana Dobrova, Texas A&M University

10:00 Di Shi\*, Xiaojun Yang, Professor, Florida State University, *An Assessment of Algorithmic Parameters Affecting Image Classification Accuracy by Random Forests*.

10:20 Chen Shi\*, SUNY Buffalo; Le Wang, SUNY Buffalo, *Spatial statistical detection of homogeneous regions for remotely sensed imagery*.

10:40 Qiusheng Wu\*, University of Cincinnati, *A Localized Contour Tree Method for Deriving Topologic and Geometric Information of Surface Depressions based on LiDAR Digital Elevation Models*.

11:00 Su Zhang\*, University of New Mexico; Christopher D Lippitt, Ph.D., University of New Mexico; Susan M Bogu, Ph.D., University of New Mexico, *Extracting Pavement Distress Condition Based on High Spatial Resolution Multispectral Digital Aerial Photography*.

Discussant(s): Timothy Warner, West Virginia University; Changshan Wu, University of Wisconsin, Milwaukee; Xuelian Meng, Louisiana State University

## 3266. Grieving witnesses: The politics of grief in the field (II) (Sponsored by Geographic Perspectives on Women Specialty Group, Animal Geography Specialty Group)

Room: Michigan B, Hyatt, East Tower, Ped Path (Panel Session)

ORGANIZER(S): Kathryn Gillespie, University of Washington; Patricia J. Lopez, Dartmouth College

CHAIR(S): Patricia J. Lopez, Dartmouth College

Discussant(s): Audra El Vilaly, The University of Arizona

Panelists: Christine Eriksen, University of Wollongong; Laurie Heffron, University of Texas - Austin; Catherine L. Nolin, University of Northern British Columbia (UNBC); William Payne, York University; Jessie Hanna Clark, University of Nevada; Michelle D. Daigle, University of Washington

## 3267. European population trends: 25 years of post-socialist transition - Convergence and divergence of spatial patterns (Sponsored by Population Specialty Group)

Room: Michigan C, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Frank Swiaczny, Federal Institute for Population Research, Germany

CHAIR(S): Frank Swiaczny, Federal Institute for Population Research, Germany

10:00 Birgit Ursula Glorius\*, TU Chemnitz, *Migration from and to Central Eastern Europe after EU-Integration: Bridging the theoretical gap*.

10:20 Petra Spackova\*, Charles University in Prague; Lucie Pospířilová\*, Charles University in Prague; Jana Jichova\*, Charles University in Prague, *Changing Age Structure of (not only) Suburban Migrants in Czechia: Reflection of Changing Lifestyles in Post-socialist Society*.

10:40 Timothy Edmund Heleniak\*, George Washington University, *Census Atlas of Russia*.

11:00 Klaus Friedrich\*, Martin-Luther-University, *The dynamics of residential redistribution pattern in East Germany*.

11:20 Frank Swiaczny\*, Federal Institute for Population Research, Germany, *The Revival of the City and the Future of Spatial Disparities in Ageing and Shrinking in Germany*.

## 3268. Issues in Ethnic Geography II (Sponsored by Ethnic Geography Specialty Group)

Room: Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Stavros T. Constantinou, Ohio State University; Carlos Teixeira, University of British Columbia Okanagan

CHAIR(S): Stavros T. Constantinou, Ohio State University

10:00 Ira M. Sheskin\*, University of Miami, *Jewish Immigrant Groups in Miami*.

10:20 Alan P. Marcus, PhD\*, Towson University, *Sex, Color, and Geography: Racialized Relations in Brazil and Its Predicaments*.

10:40 Adriana E. Martinez\*, Southern Illinois University Edwardsville, *Maintaining Walls: Re-Examining the Environmental and Social Impacts of the U.S.-Mexico*

# THURSDAY, APRIL 23 • 10:00 AM - 11:40 AM • 3200

## Border Fence.

**11:00** Alexandra Giancarlo\*, Queen's University, *Mobility as Activism within Louisiana's Creole Trail Rides.*

**11:20** Susan W. Hardwick\*, University of Oregon, *Maintaining Whiteness in the Pacific Northwest: Immigration, Race, and the Ku Klux Klan.*

## 3269. Green Violence 1: Interrogating New Conflicts over Nature and Conservation (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)

*Room:* Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Elizabeth Lunstrum, Department of Geography; Bram Büscher, Sociology of Development and Change, Wageningen University; Maano Ramutsindela

CHAIR(S): Elizabeth Lunstrum, Department of Geography

**10:00** Wendy Jill Annecke\*, South African National Parks; Mmoto Masubelele, SANParks, *What can be expected of military intervention in protected areas? A review of the international literature in relation to rhino poaching in the Kruger National Park, South Africa..*

**10:20** Linda Boukhris\*, University Paris I Panthéon Sorbonne, *Conservation policies and tourism: whitening the Costa Rican nation.*

**10:40** Bram Büscher\*, Wageningen University, *"Rhino poaching is out of control!" Violence, Heroes and the Politics of Hysteria in online Conservation.*

**11:00** Victoria Hollie Grant\*, University of British Columbia, *Walkie-talkie weapons: Forest-based violence and the NGO community in Cambodia.*

Discussant(s): Elizabeth Lunstrum, Department of Geography

## 3270. Physical Geography Poster Session (Sponsored by Symposium on Physical Geography Theme)

*Room:* Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)  
See pages 244-252.

## 3273. The Politics of Social Policy and Community Development under Financialization I: New Financial Networks and Relationships (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)

*Room:* Lucerne 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Emily Rosenman, University of British Columbia Liu Institute for Global Issues - Vancouver, BC; Benjamin F. Teresa, Rutgers University

CHAIR(S): Benjamin F. Teresa, Rutgers University

**10:00** Kathe Newman\*, Rutgers University, *of Bodies and Bonds: The Financial and Legal Ties that Hold Us Together.*

**10:20** Davide Caselli\*, University of Turin, *And the (Welfare) Winner is?: Competitions and Legitimation in post-Crisis Italian Welfare Restructuring.*

**10:40** Lee Marisa Polonsky\*, Rutgers University, *Context in Community Development Practice: Implementing the New Markets Tax Credit Program in New York City.*

**11:00** Emily Rosenman\*, UBC Geography Department, *'Capitalism with a conscience' and the geography of financialized social policy.*

**11:20** Jane S Pollard, Professor\*, Newcastle University, UK; Kavita Datta, Dr, Queen Mary, London; Al James, Dr, Queen Mary, London; Quman Akli, *Charitable Economic Practices in London's East End: 'Alternative' Institutions, Agents and Possibilities.*

## 3274. Gendering Work: Feminist Approaches to Labour and the Economy (Sponsored by Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)

*Room:* Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Carmen Teeple Hopkins, University of Toronto; Caitlin Henry, University of Toronto

CHAIR(S): Parvati Raghuram, The Open University

**10:00** Eleonore Kofman\*, Middlesex University; Parvati Raghuram, Open University, *Theorising Global Gendered Migrations through Social Reproduction.*

**10:20** Caitlin Henry\*, University of Toronto, *What's in a job shortage? Nurse surpluses and the crisis of health care.*

**10:40** Tara Irene Cater, PhD Student\*, Carleton University, *Surviving mine work: A political economic investigation of long-distance commute labour in the Canadian North.*

**11:00** Katharina Brigitta Pelzelmayr\*, University of Zurich, *moving & caring bodies: 24h elderly care in Switzerland.*

Discussant(s): Margaret W. Walton-Roberts, Wilfrid Laurier University

## 3275. Economic Geography IX - Institutions, Capitalism, Trade, and the Role of Relatedness (Sponsored by Economic Geography Specialty Group)

*Room:* Lucerne 3, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University College Dublin; David L. Rigby, UCLA; Jennifer Clark, Georgia Institute of Technology

CHAIR(S): Dieter Franz Kogler, University College Dublin

**10:00** Ronald V. Kalafsky\*, University of Tennessee, *Remoteness as a Trade Barrier? Considering the Case of SME Exporters from Nova Scotia.*

**10:18** Stefano Usai\*, University of Cagliari; Emanuela Marrocu, University of Cagliari; Manuel Romagnoli, MET Economia; Raffaele Brancati, MET Economia, *Export and innovative performance of Italian firms.*

**10:36** Sergio Petralia, Utrecht University; Andrea Morrison\*, Utrecht University; Pierre Alex Balland, Utrecht University, *Understanding Countries' Patterns of Technological Development.*

**10:54** Ron Boschma\*, Utrecht University; Gianluca Capone, IUSS, Pavia, *Institutions and Diversification: Related versus Unrelated Diversification in a Varieties of Capitalism framework.*

**11:12** Karl-Johan Lundquist\*, Lund University; Lars-Olof Olander, Lund University; Mikhail Martynovich, Lund University, *Techno-economic paradigms, national macro oriented factors and long term growth and change in regional systems.*

Discussant(s): Michael Fritsch, Friedrich Schiller University Jena

## 3276. 2nd Special Session Retail aspects in Urban Geography and Urban Planning IV: Spatial impact of key supply and demand trends in retailing (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)

*Room:* Alpine 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Herman Kok, Multi / ODTU

CHAIR(S): Herman Kok, Multi / ODTU

Introducer: Herman Kok

**10:05** Steve Millington, Dr\*, Manchester Metropolitan University; Cathy Parker, Professor, Manchester Metropolitan University, *UK High Street 2020: re-positioning, reinventing, re-branding and restructuring the High Street.*

**10:25** Jennifer Gerend, Ph.D., AICP\*, The Evergreen State College, *City Center Marketing Takes on E-Commerce: A Report from Germany.*

**10:45** Silke Weidner\*, *'Urban Retail Management' to revitalize inner cities in the stress field of shopping-centers, e-commerce and digital tracks.*

**11:05** Tanja Korzer\*, University of Leipzig, *Actual tendencies of retail businesses and their impact on the urban development.*

Discussant(s): Tony Hernandez, Ryerson University



# THURSDAY, APRIL 23 • 10:00 AM - 11:40 AM • 3200

## 3277. **Spatiotemporal Symposium: Space-time dynamics of socio-economic systems II (Sponsored by China Specialty Group, Regional Development and Planning Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Alpine 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Xinyue Ye, Kent State University; Quan Li, Wuhan University; Xinjian Li

CHAIR(S): Qingliang Zhao, Henan University

**10:00** Jie Liu\*, Governmental Research Agency of Ningxia Hui Autonomous Region, *Low-carbon and spatial development in western China.*

**10:20** Quan Li\*, School Resources and Environmental Science, Wuhan University; Qing Shu, School of Resources and Environmental Science, Wuhan University; Yudan Yang, School of Resources and Environmental Science, Wuhan University; Xinyue Ye, Department of Geography, Kent State University, *Socioeconomic factors influencing the difference between land urbanization and population urbanization based on Grey Relational Analysis: A case study of Central China.*

**10:40** Xinjian Li\*, xinyue ye, *A Space-Time Analysis on Price Distortion of Agricultural Products in China.*

**11:00** Qingliang Zhao\*, Henan University; Jun WANG, East China Normal University; Shiyuan XU, East China Normal University; Zhenlou CHEN, East China Normal University; Xinyue YE, Kent state university, *Scenario-based Rainstorm Flood Risk Assessment of Coastal Hilly Community ??A Case Study of Longwan District, Wenzhou City, China.*

## 3278. **New Voices in Rural Geography (Sponsored by Rural Geography Specialty Group)**

*Room:* Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Jessica McCallum Breen, University of Kentucky; William A. Wetherholt, Kansas State University

CHAIR(S): Jessica McCallum Breen, University of Kentucky

**10:00** Heather Mitsuko Kosaka\*, University of Washington, *Corporate-community relations in the Alberta Oil sands.*

**10:20** William A. Wetherholt\*, Kansas State University, *Exploring rootedness in the very rural Great Plains counties of Kansas and Nebraska.*

**10:40** Nicole Motzer\*, University of Maryland, College Park, *Females Farmers, Food Hubs and Forces of Change in Rural and Agricultural Development: A Case Study.*

**11:00** Megan Dixon, PhD\*, The College of Idaho, *Landscapes of Plenty in a Geography of Waste: Irrigation Water in southern Idaho.*

**11:20** Maria-Dolors Garcia-Ramon\*, Autonomous University of Barcelona; Mireia Baylina, Autonomous University of Barcelona; Montserrat Villarino, Universidade de Santiago de Compostela; Ana-Maria Porto, Universidade de Santiago de Compostela; Isabel Salamaña, Universitat de Girona, *Gendered ruralities in a global countryside.*

## 3279. **Moving towards payments for multiple ecosystem services - review of key issues and future research needs (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* St. Moritz, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Gerald Schwarz, Thuenen Institut of Farm Economics; Zymantas Morkvenas, Baltic environmental forum; Inge Aalders, Macauley Institute

CHAIR(S): Zymantas Morkvenas, Baltic environmental forum

**10:00** Mikitaro Shobayashi\*, Gakushuin Womens' College, *Evaluating the institutional arrangements to establish agri-environmental policies: An approach focusing on Agricultural Policy Systems..*

**10:20** Neil Scott Powell\*, Uppsala Centre for Sustainable

Development, Uppsala University; Osbeck Maria, Researcher, Stockholm Environment Institute, Sweden; Vu Cahn Toan, PhD Candidate, Sustainability Research Centre - University of the Sunshine Coast, Australia.; Gerald Schwarz, Dr, Thünen-Institute of Farm Economics, Germany, *Living with, or going against the flow: enacting Payments for Ecosystem Services (PES) as a post normal approach to flood governance.*

**10:40** Philippe Fleury\*, Isara; Laurent Dobremez, IRSTEA, *The potential of Result-Oriented Agri-Environmental Schemes to encourage farmers to provide ecosystem services.*

**11:00** Stephen Chaplin, Dr\*, Natural England (UK); Inge Aalders, Dr, James Hutton Institute, Aberdeen (UK); Gerald Schwarz, Dr, Thünen-Institute of Farm Economics (Germany), *Hybrid Public-Private agri-environment programmes; an alternative delivery vehicle for multiple ecosystem services?.*

Discussant(s): Gerald Schwarz, Thuenen Institut of Farm Economics

## 3280. **Methods of Mapping Political Contention and Activism 2 (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)**

*Room:* Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Sander Van Haperen, University of Amsterdam; Walter J. Nicholls, Sociology, University of Amsterdam

CHAIR(S): Sander Van Haperen, University of Amsterdam

**10:00** Catarina Gomes De Matos, M.A.\*, Albert-Ludwigs-Universität Freiburg, Germany, *City, port and barrio - Geographies of an urban conflict. The example of the Port Vell protests in Barcelona..*

**10:20** Julie Young\*, York University, *Advocacy through the archives: Contesting the Canada-US border.*

**10:40** Sarah Heck\*, Temple University, *The Spatial Politics of Occupy Wall Street.*

**11:00** Julie Michele Mura, PhD Candidate\*, Florida State University, *Geographical Conflict in Bolivia: Mobilization of Identity by the Comité Pro Santa Cruz.*

**11:20** Caroline Howe\*, Fulbright | MIT, *People, Protests and Planning: Siting for Waste Management.*

## 3281. **Teaching The Middle East: Strategies And Tools (Sponsored by Asian Geography Specialty Group, Middle East Specialty Group)**

*Room:* Verbier, Swissôtel, Lucerne Level (Panel Session)

ORGANIZER(S): Dona Stewart

CHAIR(S): Kyle Thomas Evered, Michigan State University

Panelists: Hussein A. Amery, Colorado School of; Paul J. Kaldjian, University of Wisconsin -- Eau Claire; Dona Stewart; Kyle Thomas Evered, Michigan State University; Brittany Cook, University of Kentucky; Siobhán Mcphee, University of British Columbia



# THURSDAY, APRIL 23 • 11:50 AM - 1:10 PM • 3300

- 3302. Wine Specialty Group Business Meeting (Sponsored by Wine Specialty Group)**  
*Room: Skyway 261, Hyatt, East Tower, Blue Level (Meeting Session)*
- 3305. Socialist and Critical Geography Specialty Group Business Meeting (Sponsored by Socialist and Critical Geography Specialty Group)**  
*Room: Skyway 272, Hyatt, East Tower, Blue Level (Meeting Session)*
- 3306. Geographic Perspectives on Women Specialty Group Business Meeting (Sponsored by Geographic Perspectives on Women Specialty Group)**  
*Room: Skyway 273, Hyatt, East Tower, Blue Level (Meeting Session)*
- 3314. Political Geography Specialty Group Business Meeting (Sponsored by Political Geography Specialty Group)**  
*Room: Columbus CD, Hyatt, East Tower, Gold Level (Meeting Session)*
- 3317. Geographies of Food and Agriculture Specialty Group Business Meeting (Sponsored by Geographies of Food and Agriculture Specialty Group)**  
*Room: Columbus H, Hyatt, East Tower, Gold Level (Meeting Session)*
- 3319. Urban Geography Specialty Group Business Meeting (Sponsored by Urban Geography Specialty Group)**  
*Room: Columbus KL, Hyatt, East Tower, Gold Level (Meeting Session)*
- 3320. Human Dimensions of Global Change Specialty Group Business Meeting (Sponsored by Human Dimensions of Global Change Specialty Group)**  
*Room: Grand A, Hyatt, East Tower, Gold Level (Meeting Session)*
- 3324. Julie Winkler's Past President's Address: Embracing the Complexity and Uncertainty of Climate Change (Sponsored by Symposium on Physical Geography Theme)**  
*Room: Grand E/F, Hyatt, East Tower, Gold Level (Plenary Session)*
- Speaker: **Julie Winkler**, AAG Past President, Michigan State University
- Climate change is one of the defining environmental concerns of our time, and will directly or indirectly affect every sector of society. The complexity of the climate system and the multifaceted linkages between natural and human systems complicates planning for future change. Another hurdle is the multiple sources of uncertainty such as internal climate variability, land cover change, spatial and temporal interdependencies, and sectoral synergies.
- When interacting with stakeholders or addressing the public directly about climate change, scientists are often advised to “keep the message simple.” One consequence is that climate change communication strategies are frequently advocacy based, where the case is made for a specific viewpoint, rather than nonpersuasive communication that explicitly considers complexity and uncertainty. Recently, the potential value of framing climate change planning in terms of complexity and uncertainty has been recognized by many physical and social scientists, including geographers. The challenge is to communicate climate change in a manner that inspires action, but also leads to robust decision-making.
- In this address, the evolution of climate change communication is explored, attempts to incorporate complexity and uncertainty into local and regional climate change assessments are evaluated, and opportunities for the development of more nuanced communication strategies are considered. Geographers are involved in all aspects of climate change research and applications, from modeling the complex climate system to assisting stakeholders in planning for climate change. It behooves us to carefully consider our roles and responsibilities in climate change communication.
- AAG Presidential Achievement Award presentation to: **Diana Liverman**, University of Arizona.
- AAG Past President, Julie Winkler, will also confer the AAG Presidential Achievement Award upon **Diana Liverman** of the University of Arizona for her extraordinary contributions to understanding the human dimensions of global change, including the impacts of climate on society and issues of equity and climate change, and for her leadership roles in numerous boundary organizations, including Future Earth, that strengthen partnerships with scientists, policymakers and stakeholders to promote regional and global sustainability.
- 3327. China Specialty Group Business Meeting (Sponsored by China Specialty Group)**  
*Room: Grand Suite 5, Hyatt, East Tower, Gold Level (Meeting Session)*
- 3330. Military Geography Specialty Group Business Meeting (Sponsored by Military Geography Specialty Group)**  
*Room: Soldier Field, Hyatt, West Tower, Bronze Level (Meeting Session)*
- 3331. History of Geography Specialty Group Business Meeting (Sponsored by History of Geography Specialty Group)**  
*Room: Columbian, Hyatt, West Tower, Bronze Level (Meeting Session)*
- 3335. Applied Geography Specialty Group Business Meeting (Sponsored by Applied Geography Specialty Group)**  
*Room: Picasso, Hyatt, West Tower, Bronze Level (Meeting Session)*
- 3338. Health and Medical Geography Specialty Group Business Meeting (Sponsored by Health and Medical Geography Specialty Group)**  
*Room: Acapulco, Hyatt, West Tower, Gold Level (Meeting Session)*
- 3342. Energy and Environment Specialty Group Business Meeting (Sponsored by Energy and Environment Specialty Group)**  
*Room: Regency A, Hyatt, West Tower, Gold Level (Meeting Session)*
- 3346. Bible Geography Specialty Group Business Meeting (Sponsored by Bible Geography Specialty Group)**  
*Room: San Francisco, Hyatt, West Tower, Gold Level (Meeting Session)*
- 3352. Stand-Alone Geographers Affinity Group Business Meeting (Sponsored by Stand-Alone Geographers Affinity Group)**  
*Room: Stetson BC, Hyatt, West Tower, Purple Level (Meeting Session)*
- 3353. Cartography Specialty Group Business Meeting (Sponsored by Cartography Specialty Group)**  
*Room: Stetson D, Hyatt, West Tower, Purple Level (Meeting Session)*
- 3356. Communication Geography Specialty Group Business Meeting (Sponsored by Communication Geography Specialty Group)**  
*Room: Stetson G, Hyatt, West Tower, Purple Level (Meeting Session)*
- 3358. Sexuality and Space Specialty Group Business Meeting (Sponsored by Sexuality and Space Specialty Group)**  
*Room: Burnham, Hyatt, West Tower, Silver Level (Meeting Session)*
- 3360. Cultural Geography Specialty Group Business Meeting (Sponsored by Cultural Geography Specialty Group)**  
*Room: Field, Hyatt, West Tower, Silver Level (Meeting Session)*
- 3362. Polar Geography Specialty Group Business Meeting (Sponsored by Polar Geography Specialty Group)**  
*Room: McCormick, Hyatt, West Tower, Silver Level (Meeting Session)*
- 3365. Remote Sensing Specialty Group Business Meeting (Sponsored by Remote Sensing Specialty Group)**  
*Room: Michigan A, Hyatt, East Tower, Ped Path (Meeting Session)*
- 3369. Animal Geography Specialty Group Business Meeting (Sponsored by Animal Geography Specialty Group)**  
*Room: Randolph, Hyatt, East Tower, Ped Path (Meeting Session)*
- 3370. Physical Geography Poster Session (Sponsored by Symposium on Physical Geography Theme)**  
*Room: Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)*  
 See pages 244-252.
- 3378. Rural Geography Specialty Group Business Meeting (Sponsored by Rural Geography Specialty Group)**  
*Room: Zermatt/Gstaad, Swissôtel, Lucerne Level (Meeting Session)*

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## 3401. Topologies of Power: (Re-)Making Global Production Networks I (Sponsored by Economic Geography Specialty Group)

Room: Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Martin H. Hess, University of Manchester; Rory Horner, University of Manchester; Gale Raj-Reichert

CHAIR(S): Gale Raj-Reichert

1:20 Gale Raj-Reichert, Dr\*, University of Manchester, Institute for Development Policy and Management, *Understanding power relations to improve labour governance in global production networks: the rise of contract manufacturers in the electronics industry.*

1:40 Allison Forbes\*, University of North Carolina at Chapel Hill, *Skill Upgrading: The Power Geometry that Shapes Worker Training Pathways.*

2:00 Sukhpal Singh\*, IIM, *Understanding Power in Multi-Stakeholder Initiatives as Global Production Networks: A Case of Better Cotton Initiative in India.*

2:20 Aidan Marc Wong\*, National University of Singapore, *Struggles over value and survival: A case study of karung guni in the e-waste recycling network in Malaysia and Singapore.*

2:40 Nikodemus Solitander\*, Hanken School of Economics, *Reconfiguring the Moral Geographies of Global Production Networks: The case of the Bangladesh Accord on Fire and Building Safety.*

## 3402. Psychoanalytic Geographies I

Room: Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Nazanin Naraghi, Simon Fraser University; Jesse Proudfoot, University of Toronto  
 CHAIR(S): Jesse Proudfoot, University of Toronto

1:20 Christian Abrahamsson, Dr\*, University of Oslo, *Psychoanalysis and/of Geopolitics and the Nazi State.*

1:40 Jesse Proudfoot\*, *Ambivalent revanchism: The libidinal economy of harm reduction.*

2:00 Chad Newbrough Steacy\*, University of Georgia, *Spectacular decline: The need for a psychoanalytic approach to the 'problem' of Detroit.*

2:20 Nazanin Naraghi\*, Simon Fraser University, *Psychoanalysis and Art Form: The Art Practices of Iranian Migrants in Los Angeles.*

Discussant(s): Felicity Callard, Durham University

## 3405. The entrepreneurial city reconsidered: new agendas and diverse geographies (Sponsored by Urban Geography Specialty Group, Development Geographies Specialty Group)

Room: Skyway 272, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): John Lauermaann, Clark University; Sarah Moser, McGill University; Diganta Das, Nanyang Technological University

CHAIR(S): John Lauermaann, Clark University  
 Panelists: Hilary Chart, Stanford University; Diganta Das, Nanyang Technological University; John Lauermaann, Clark University; Anne Lorentzen, University of Southern Denmark; Sarah Moser, McGill University; David Wachsmuth, New York University

## 3406. Gender, Discrimination, and Inequality (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Jill Williams, University of Hawai'i-Manoa

CHAIR(S): Emily Spangenberg, University of Texas at Austin

1:20 Emily Spangenberg\*, University of Texas at Austin, *Women in the "Mother City of Industry": Gendered dimensions of environmental inequality in Palpalá, Argentina.*

1:35 Liudmila Pennington\*, *From Housewife to Breadwinner": Khmer women changing places and gender roles following the Cambodian Genocide (1975-1979).*

1:50 Sahab Deen, Post-Doctoral Fellow, Jawaharlal Nehru University, *Gendered Domestic Labor in Delhi: Status*

*of Female Workers in Domestic Spaces.*

2:05 Amrita Hari\*, Carleton University, *"Someone kept sacrificing": Nuancing the Persistence of a Gender Gap in Domestic Labour Among Indian Immigrant Families in Canada.*

2:20 Yancili Lozano Torres, M.S.\*, Florida State University; Petra Doan, Ph.D, Florida State University, *Addressing Gender Discrimination through Gender Quotas: A Colombian Case Study.*

## 3408. Crime and Urban Mobility in China

Room: Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Lin Liu, University of Cincinnati

CHAIR(S): Zhou Suhong, China 510275

1:20 Lin Liu\*, University of Cincinnati, *Crime and Policing Research in China.*

1:40 YUANYUAN MAO\*, Jiajun Ding, *Temporal and Spatial Pattern of Larceny A Case Study of Pudong New Area, Shanghai.*

2:00 Suhong Zhou, Sun Yat-sen University; Xinhua Hao\*, Sun Yat-sen University, *Rethinking about urban space to urban space-time: the opportunities under the big-data era.*

## 3409. Geographies of Zomia: Implications of James C. Scott's Art of Not Being Governed for Geographic Research and Knowledge

Room: Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Jacob Shell

CHAIR(S): Jacob Shell

1:20 Sarah Turner\*, McGill University; Jean Michaud, Laval University, *Hmong livelihoods in the Sino-Vietnamese borderlands: Zomia under the microscope.*

1:40 Jacob Shell, Dr.\*, Temple University, *How to Get Around in Zomia: Elephants, Mahouts, and Transportation beyond the State.*

2:00 Borislav Nikoltchev\*, University of Oklahoma; Fred Shelley, University of Oklahoma, *Scale, Boundaries, and Globalization in Zomia.*

2:20 Borislav Nikoltchev, University of Oklahoma; Fred M. Shelley\*, University of Oklahoma, *Scale, Boundaries, and Globalization in Zomia.*

2:40 Janet C Sturgeon\*, Simon Fraser University, *Geographies of Zomia: Absolute and Abstract Space on the China/Burma Border.*

## 3410. How can social sciences contribute to river restoration? I

Room: Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Bertrand Morandi, CNRS - UMR5600 EVS; Marylise Cottet, University of Lyon - CNRS (UMR 5600 EVS)

CHAIR(S): Bertrand Morandi, CNRS - UMR5600 EVS

1:20 Simon Dufour\*, Université Rennes 2; regis Barraud; ivan bernez; gabrielle bouleau; Jean Michel cadot; sébastien caillault; daniel delahaye; marie anne germaine; laurent lepez; maxime marie; dominique ombredane; fabrice parais; anne julia rollet; vincent viel, *Toward a political ecology of river restoration in France.*

1:40 Paul H. Gobster, Ph.D., FASLA\*, USDA Forest Service - Evanston, IL; Cristy Watkins, Ph.D., University of Michigan; Lynne M. Westphal, Ph.D., USDA Forest Service; Joanne Vining, Ph.D., University of Illinois; Alaka Wali, P.D., Field Museum of Natural History; Madeleine Tudor, Field Museum of Natural History, *Factors underlying public support for ecological restoration practices in metropolitan natural areas management.*

2:00 Kerstin Böck\*, Institute of Hydrobiology and Aquatic Ecosystem Management, BOKU University of Natural Resources and Life Sciences Vienna, Austria; Michaela Poppe, Institute of Hydrobiology and Aquatic Ecosystem Management, BOKU University of Natural Resources and Life Sciences Vienna,

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Austria; Sigrd Scheikl, Institute of Hydrobiology and Aquatic Ecosystem Management, BOKU University of Natural Resources and Life Sciences Vienna, Austria; Andreas Muhar, Institute of Landscape Development, Recreation and Conservation Planning, BOKU University of Natural Resources and Life Sciences Vienna, Austria; Susanne Muhar, Institute of Hydrobiology and Aquatic Ecosystem Management, BOKU University of Natural Resources and Life Sciences Vienna, Austria, *Ecosystem services in river landscapes: Perspectives of different stakeholder groups*.

- 2:20** Régis Barraud, Université de Poitiers; Marie-Anne Germaine, University of Paris West Nanterre and Lab. Mosaïques-UMR CNRS LAVUE; Laurent Lespez\*, Université de Paris Est Créteil, *Small Dam Removal in the North-West France: fifteen years of controversy. Analysis of Social and political issues.*

- 2:40** Marylise Cottet\*, University of Lyon - CNRS (UMR 5600 EVS); Lise Vaudor, University of Lyon - CNRS (UMR 5600 EVS); Marie Augendre, University of Lyon - CNRS (UMR 5600 EVS), *Does every stakeholder perceive and value identically rivers? Contribution of an eye-tracking experiment for a river restoration project (Yzeron River, France).*

## **3411. Resistance to Public Housing Transformation**

*Room:* Skyway 285, Hyatt, East Tower, Blue Level (Panel Session)  
ORGANIZER(S): Dallas Rogers, University of Western Sydney; Edward Goetz; Michael Darcy, University of Western Sydney  
CHAIR(S): Dallas Rogers, University of Western Sydney  
Introducer: Edward Goetz  
Discussant(s): Janet Smith  
Panelists: James C. Fraser, Vanderbilt University; Martine August, University of Toronto; Lynne Manzo, University of Washington; Cameron Williams, Loyola University - Chicago; Michael Darcy, University of Western Sydney

## **3413. The Academic Job Market for Geographers B: Challenges and Opportunities for Enhancing Professional Success (Sponsored by AAG Jobs and Careers Theme, Stand-Alone Geographers Affinity Group, Community College Affinity Group)**

*Room:* Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)  
ORGANIZER(S): Mark Revell, Association of American Geographers - Washington, DC  
CHAIR(S): Niem Huynh, Association of American Geographers  
Discussant(s): Meredith Marsh, Lindenwood University; Denise Blanchard-Boehm, Texas State University; Katrinka C. Somdahl-Sands, Rowan University; Kerry Lyste, Everett Community College; Jeffrey Widener, The University of Oklahoma

## **3414. Introducing the Southern African Geography Teachers Association (SAGTA) (Sponsored by AAG Jobs and Careers Theme)**

*Room:* Columbus CD, Hyatt, East Tower, Gold Level (Panel Session)  
ORGANIZER(S): Candida Mannozi, Association of American Geographers; Sivanesen Govender, EIS-AFRICA  
CHAIR(S): Sivanesen Govender, EIS-AFRICA  
Panelists: Sivanesen Govender, EIS-AFRICA

## **3415. Designing Online Learning Opportunities in Geography B (Sponsored by National Center for Research in Geography Education, Esri, Association of American Geographers, Geography and Online Education Theme)**

*Room:* Columbus EF, Hyatt, East Tower, Gold Level (Paper Session)  
ORGANIZER(S): Mark Revell, Association of American Geographers - Washington, DC  
CHAIR(S): David DiBiase, Esri  
**1:20** Osvaldo A. Muniz-Solari\*, Texas State University, *A Model for Global Geography Education*.  
**1:40** Jesus Granados Sanchez\*, University of Glasgow,

*Geography Education In A Digital World: The Challenges of Connectivism*.

- 2:00** Adrienne Goldsberry\*, Michigan State University; Juliegh Bookout, Michigan State University; Beth N Weisenborn, Michigan State University; Alan F Arbogast, Michigan State University, *Digital Storytelling in Online Geography Classes: Sharing MSU Geography's Experiences*.

- 2:20** James A. Brey, Dr.\*, American Meteorological Society; Chad M. Kauffman, Dr., American Meteorological Society; Ira W. Geer, Dr., American Meteorological Society; Robert S. Weinbeck, Dr., American Meteorological Society; Kira A. Nugnes, American Meteorological Society, *Online Investigation of Earth's Climate System: Where Physical and Human Geography Meet*.

- 2:40** David DiBiase, GISP, CMS\*, Esri, *The Future of Web Maps in Next-Generation Textbooks*.

## **3416. The Urban Political at a Time of Late Neoliberalism III: Decentering the Urban Political (Sponsored by Cultural Geography Specialty Group)**

*Room:* Columbus G, Hyatt, East Tower, Gold Level (Paper Session)  
ORGANIZER(S): Theresa Erin Enright, University of Toronto; Ugo Rossi  
CHAIR(S): Theresa Erin Enright, University of Toronto  
**1:20** Yousuf Al-Bulushi\*, Goucher College, *Land, Race and Late Neoliberalism in the Developmental South African City*.  
**1:40** Gareth Millington\*, University of York; David Garbin, University of Kent, *Dis/enchantment with the Centre: Diaspora, difference and a global right to the city*.  
**2:00** Felipe Magalhaes\*, Universidade Federal de Minas Gerais, *The city against the neoliberal state in Brazil: the June 2013 protests and new urban occupations in Belo Horizonte*.  
**2:20** Lidia Monza\*, Goethe University Frankfurt, *Milano 2 (Italy) and Celebration (Florida): A "Re-Definition" of urban life*.  
Discussant(s): Parastou Saberi, York University

## **3417. Social Factors in Climate Change Adaptation (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**

*Room:* Columbus H, Hyatt, East Tower, Gold Level (Paper Session)  
ORGANIZER(S): RDK Herman, National Museum of the American Indian  
CHAIR(S): Britta Lee Schumacher, Pennsylvania State University  
**1:20** Paul O'Keefe\*, West Virginia University/Louisiana State University, *Socioeconomic determinants of vulnerability in Tanzania: implications for climate change adaptation measures*.  
**1:40** Ashley Doria\*, Ohio University, *Exploring the existence of women's agency in livelihood adaptation strategies. A case-study of Maasai women in Northern Tanzania*.  
**2:00** Jake Wilson, M.A. (Hons), M.Sc.\*, Glasgow Caledonian University, *Climate Justice in Sub-Saharan Africa: The Adaptation Programmes of Least-Developed Countries*.  
**2:20** Libby Gallagher\*, University of Sydney, *Towards "green" streets - climate change adaptation and mitigation using the suburban street; a case study from Western Sydney*.  
**2:40** Britta Lee Schumacher\*, Pennsylvania State University; Larry James Gorenflo, PhD., The Pennsylvania State University, *Resilience and Sustainable Livelihoods: Climate Change at the Interface of Parks and People*.

## **3418. Honoring Dr. Lawrence A. Brown: Continuity and Change: Immigrants and Changing Contexts (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)**

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- Room:** *Columbus IJ, Hyatt, East Tower, Gold Level (Paper Session)*  
**ORGANIZER(S):** Madhuri Sharma, University of Tennessee, Knoxville; Michael D. Webb, University of North Carolina at Chapel Hill  
**CHAIR(S):** Madhuri Sharma, University of Tennessee, Knoxville  
**1:20** Cynthia L. Sorrensen, PhD\*, Texas Tech University, *The Mirroring of Ethnicity in the Urban Landscape: The Trees of the South Plains.*  
**1:40** Dylan Connor\*, UCLA, *The Cream of What Crop? Selectivity and Local Determinants of Migration from Ireland to the United States in the Early 20th Century.*  
**2:00** Evelyn D. Ravuri\*, Saginaw Valley State University, *Undocumented Agricultural Workers in the United States: Who Stays and Who Returns to Mexico?.*  
**2:20** Donghee Koh\*, Western Illinois, *Suburbanization of Korean Immigrants in Chicago.*  
**2:40** Nathan Trombley, Graduate Student\*, University of Tennessee, *Race and (In)Equality in Sydney, Australia.*

## 3419. Symposium on Space-time Behavior and Planning in Urban China III (Sponsored by China Specialty Group, Urban Geography Specialty Group)

- Room:** *Columbus KL, Hyatt, East Tower, Gold Level (Paper Session)*  
**ORGANIZER(S):** Mei-Po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University; Yue Shen, East China Normal University  
**CHAIR(S):** Yanwei Chai, Peking University  
**1:20** Bindong Sun\*, Center for Modern Chinese City Studies, East China Normal University; Tinglin Zhang, Center for Modern Chinese City Studies, East China Normal University; Zhou He, Center for Modern Chinese City Studies, East China Normal University; Rui Wang, Luskin School of Public Affairs, University of California at Los Angeles, *Effects of Urban Spatial Structure on Choice of Motorized Travel in China.*  
**1:40** Pengjun Zhao\*, Peking University, *The effects of the built environment and traffic conditions on walking in Beijing: new evidences from activity-based travel analysis.*  
**2:00** Yuan Li\*, Tongji University; De Wang, Tongji University; Wei Zhu, Tongji University; Can Wang, Tongji University, *Travel Behavior Characteristics and Implementation of Discrete Choice Model on Scenic area Selection -Evidence from Gulangyu with the Support of GIS and GPS.*  
**2:20** Jing Ma\*, University of Leeds; Gordon Mitchell, University of Leeds; Alison Heppenstall, University of Leeds, *Exploring transport carbon futures using population microsimulation and travel diaries: Beijing to 2030.*  
**Discussant(s):** Donggen Wang, Hong Kong Baptist University

## 3420. Urbanization and the Environment in East Asia (Sponsored by China Specialty Group, Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group)

- Room:** *Grand A, Hyatt, East Tower, Gold Level (Paper Session)*  
**ORGANIZER(S):** Guo Chen, Michigan State University; Peilei Fan, Michigan State University  
**CHAIR(S):** Peilei Fan, Michigan State University  
**1:20** Yu Zhou\*, Vassar College, *Can The Chinese Government Make Chinese Buildings Green? - Analyzing China's green building program through ecological modernization perspective.*  
**1:40** Shuang Sophia Chen\*, Chinese Academy of Sciences, *Regional Differences in Growth Rate of Urban Land and Influence of Institutional Factors: Based on 51 City Samples of Yangtze River Delta.*  
**2:00** Guo Chen\*, Michigan State University, *Population Growth, Economic Development and Urban Expansion: Exploring the Geography of Urbanization in China over the First Decade of the 21st Century.*  
**2:20** Peilei Fan\*, Michigan State University; Jiquan Chen, Michigan State University; Ranjeet John, Michigan

State University; Hogeun Park, Michigan State University, *Urban landscape and environment change during the economic transition in Mongolian Plateau: A comparative study of Hohhot and Ulaanbaator, 1990-2010.*

**Discussant(s):** Amy Glasmeier, Massachusetts Institute of Technology

## 3421. Sustainable Watershed Management: Issues in Hydrology, Water Quality, and Water Quantity 2 (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)

- Room:** *Grand B, Hyatt, East Tower, Gold Level (Paper Session)*  
**ORGANIZER(S):** Christopher Woltemade, Shippensburg University; Matthew Deitch, Center for Ecosystem Management and Restoration  
**CHAIR(S):** Christopher Woltemade, Shippensburg University  
**1:20** Nicholas J Clifford, Professor\*, King's College London; Ben Smith, Graduate Student, King's College, London, *River restoration: assessing the catchment-scale effect.*  
**1:40** Matthew Deitch\*, Center for Ecosystem Management and Restoration; Nicholas Resburg, Center for Ecosystem Management and Restoration; Mia van Docto, Center for Ecosystem Management and Restoration; Gordon Becker, Center for Ecosystem Management and Restoration, *Predicted benefits of streamflow restoration projects in coastal California: opportunities and challenges.*  
**2:00** Justin P Kozak, ABD\*, Southern Illinois University - Environmental Resources and Policy, *Towards Dynamic Flow Regime Management for Ecosystem Rehabilitation in the Atchafalaya River Basin, Louisiana.*  
**2:20** Javier Alberto Arce-Nazario, Dr.\*, UPR Cayey, *The effects of watershed land cover and precipitation on fecal contamination in surface waters.*  
**2:40** Christopher Woltemade\*, Shippensburg University, *Environmental influences on stream temperature, Navarro River watershed, California.*

## 3422. Education, Faith and Place 1 (Sponsored by Geography of Religions and Belief Systems Specialty Group)

- Room:** *Grand C/D North, Hyatt, East Tower, Gold Level (Paper Session)*  
**ORGANIZER(S):** Peter Hemming, Cardiff University  
**CHAIR(S):** Saskia Warren, University of Manchester  
**1:20** Nick Schuermans\*, University of Antwerp, *Catholic schools in super-diverse, secularizing and multi-religious Belgian cities: Faith as a source of solidarity?.*  
**1:40** Peter J Hemming, PhD\*, Cardiff University, *Faith Schools, Community and Rurality.*  
**2:00** William Ackah, Dr\*, Birkbeck University of London, *Collisions of Race, Religion and Place: The Case of London's First Black Faith Based School.*  
**2:20** Robert M. Vanderbeck\*, University of Leeds, *Religion and the circulation of knowledge about homosexuality in England's schools.*

## 3425. Fighting Low-wage Work in Chicago (Sponsored by Chicago and the Great Lakes Region Theme, Economic Geography Specialty Group)

- Room:** *Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Panel Session)*  
**ORGANIZER(S):** Virginia L. Parks, University of Chicago  
**CHAIR(S):** Virginia L. Parks, University of Chicago  
**Panelists:** Virginia L. Parks, University of Chicago; Annette Bernhardt, University of California - Berkeley; Marc Doussard, University of Illinois at Urbana-Champaign; T. William Lester, University of North Carolina - Chapel Hill

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## 3426. Green Chicago (Sponsored by Urban Geography Specialty Group, Chicago and the Great Lakes Region Theme)

- Room:* Grand Suite 3, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Julie Cidell, University of Illinois  
 CHAIR(S): Julie Cidell, University of Illinois  
 1:20 Jeffrey Zimmerman\*, University of Wisconsin-Whitewater, *Bike Space/White Space: The 606 Trail and the controversy over gentrification in Chicago's West Town Community Area.*  
 1:40 Marisol Becerra\*, The Ohio State University, *Environmental Justice or Green Gentrification? Brownfield Redevelopment in Chicago 1990-2010.*  
 2:00 Muriel Marseille\*, *Poverty and Sustainability in Chicago.*  
 2:20 Alexis Winter\*, University of South Florida, *Conservation Policy Implementation through Community Partnerships on Chicago's South Side.*

## 3427. Residential Mobility and Internal Migration 1: New trends in the U.S. (Sponsored by Population Specialty Group)

- Room:* Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Pablo Mateos, CIESAS  
 CHAIR(S): Rachel S. Franklin, Brown University  
 1:20 Karen M. King\*, University of Toronto, *Are Movers the Same as 10 Years Ago? Evidence from the American Community Survey.*  
 1:40 Sarah SanGiovanni, MUP\*, University of Iowa; Jiyoung Park, PhD, State University of New York at Buffalo, Department of Urban and Regional Planning, *Land Cover Type and Stayers in US Counties.*  
 2:00 Thomas J. Cooke\*, University of Connecticut, *Rootedness and the Internet.*  
 2:20 Jason Jurjevich\*, Portland State University; Greg Schrock, Portland State University, Urban Studies & Planning, *Retiring to Cascadia? Rethinking the Migration of the Young and College-Educated to Portland and Seattle.*  
 2:40 Rachel S. Franklin\*, Brown University, *Would the Real Migration Magnet Please Stand Up: Decomposing the Sources of Human Capital Stock Increases.*

## 3428. Human Dynamics in the Mobile Age VI

- Room:* Plaza A, Hyatt, East Tower, Green Level (Paper Session)  
 ORGANIZER(S): Xinyue Ye, Kent State University; Shih-Lung Shaw, University of Tennessee; Edwin Chow, Texas State University  
 CHAIR(S): Ming-Hsiang Tsou, San Diego State University  
 1:20 Nathaniel Dede-Bamfo\*, Texas State University-San Marcos; T. Edwin Chow, Texas State University, *Exploring Post-Disaster Tweets for Vulnerability Assessment.*  
 1:40 Emily White\*, University of Iowa; Kathleen Stewart, PhD, University of Iowa, *Modeling User Interactions Based on Applying Geofences.*  
 2:00 Chen Xu\*, University of Wyoming, *Can we know the forest by examining individual trees? Modeling geographical place-identity relationship in Twitter.*  
 2:20 Tobias Scott-Killian\*, University At Buffalo, *Individualized Internet Marketing and the Production of Space.*

## 3429. Spaces of the Geosocial: Transnational Topologies and Topographies III

- Room:* Plaza B, Hyatt, East Tower, Green Level (Paper Session)  
 ORGANIZER(S): Katharyne Mitchell, University of Washington; Kirsi Pauliina Kallio, University of Tampere  
 CHAIR(S): Alison Mountz, Wilfrid Laurier University  
 1:20 Ishan Ashutosh\*, Indiana University, *Distinctions within the Geosocial: South Asian Diasporas and Transnational Subject Making.*  
 1:40 Kathrin Hörschelmann\*, Leibniz-Institute for Regional Geography, *Emotive subjects: security, insecurity and the complex topographies of the geosocial in young people's everyday lives.*  
 2:00 Kirsi Pauliina Kallio\*, University of Tampere, *Beginnings*

*of geosocial subjectivity.*

- 2:20 Katharyne Mitchell\*, University of Washington, *'Factivism': Merging Metrics and Emotions in Long-Distance Philanthropy.*  
 Introducer: Jouni Hakli  
 Discussant(s): Elaine Lynn-Ee Ho, National University of Singapore

## 3430. Upstream/Downstream: Rivers in Historical Geography and Environmental History (Sponsored by Historical Geography Specialty Group)

- Room:* Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Matthew Evenden, Department of Geography, University of British Columbia  
 CHAIR(S): Robert Wilson, Syracuse University  
 1:20 Craig Colten\*, Louisiana State University, *Passing the Costs Upstream: The Southern Argument for Flood Control.*  
 1:40 Matthew Evenden, Dr.\*, Department of Geography, University of British Columbia, *Beyond Organic Machines? New Directions in River Historiography.*  
 2:00 Maria D. Lane\*, University of New Mexico, *Environmental Governance as a Foundation for Settler Colonialism: A New View of New Mexico's Rivers.*  
 2:20 Giacomo Parrinello\*, Louisiana State University, *Negotiating the Flow: The Expansion of Irrigation in the Po River Valley, Italy, 1863-1955.*  
 2:40 Harold L. Platt\*, Loyola University - Chicago, *Saving Chicago's Rivers: Coping with Climate Change and Suburban Sprawl in a Flood-Prone Environment, 1945-66.*

## 3431. Historical geographic information handling, analysis and visualization (Sponsored by GeoHumanities Theme)

- Room:* Columbian, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Kai Cao  
 CHAIR(S): Kai Cao  
 1:20 Mark D. Green, PhD\*, Indiana State University, *Mapping the Shifts of an Ancient Border across Time through Archaeology, History, and Geography.*  
 1:40 Kean T. McDermott\*, The George Washington University, *Mapping the Amarna Letters: Analyzing a socio-spatial network through ancient diplomatic communications.*  
 2:00 Ryan Ulsberger\*, University of Washington, *Monotheistic Religions: Mapped And At Our Fingertips.*

## 3432. African Environmental Studies and Observations

- Room:* Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Melissa J. Tolene Rura, United Methodist Neighborhood Centers of Memphis  
 CHAIR(S): Juddy Ngozichukwuka Okpara, University of Oklahoma  
 1:20 Aondover Tarhule, Ph.D.\*, University of Oklahoma Department of Geography and Environmental Sustainability, *As the Isohyets March: Observations on the Characteristics and Implications of Rainfall Regime Changes in West Africa.*  
 1:40 Ting Lei\*, School of Sustainable Engineering and the Built Environment, Arizona State University; Paul Westerhoff, Arizona State University; Giuseppe Mascaro, Arizona State University; Dave White, Arizona State University, *GIS Modeling for Evaluating Water Scarcity in the Niger River Basin.*  
 2:00 Jon-Paul Perry McCool, MA\*, University of Cincinnati, *Habitable Landscapes on Barren Rocks.*  
 2:20 Juddy Ngozichukwuka Okpara\*, University of Oklahoma; Aondover Tarhule, Dr, Department of Geography and Environmental sustainability, University of Oklahoma, *Performance Evaluation of SPI Metric for Drought Characterization in the Niger River Basin, West Africa.*

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- 3433. Launch of GeoHumanities Journal (Sponsored by GeoHumanities Theme)**  
**Room:** Gold Coast, Hyatt, West Tower, Bronze Level (Panel Session)

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

Panelists:

**Douglas Richardson**, Association of American Geographers, "The AAG Initiatives on Geography and the Humanities"

**AAG Honorary Geographer, Peter K. Bol**, Harvard University, "Location and Learning: A Spatial Approach to Chinese Thought and Society"

**Tim Cresswell**, Northeastern University, "The Editorial Vision for *GeoHumanities*"

**Deborah Dixon**, University of Glasgow, "The Editorial Vision for *GeoHumanities*"

**J. Nicholas Entrikin**, University of Notre Dame, "Reflections on Interactions between Geography and the Humanities"

**AAG Honorary Geographer Award: Peter Bol, Harvard University**

AAG Executive Director Douglas Richardson will confer the 2015 AAG Honorary Geographer Award upon **Peter K. Bol** during the *GeoHumanities* launch session, above.

Bol has worked with the AAG to build university-wide support at Harvard University for geospatial analysis in teaching and research. This resulted in the establishment of the Harvard Center for Geographic Analysis, of which Peter Bol was its first and extraordinarily successful Director. He also has a long career of distinguished scholarship on the history and geography of China, which is of great interest to geographers. In addition, his innovative research in the field of historical GIS has helped shape and advance the discipline of geography.

Peter Bol is the Vice Provost for Advances in Learning and the Charles H. Carlswell Professor of East Asian Languages and Civilizations at Harvard University.

- 3435. Spatial Mathematics (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Geography Education Specialty Group)**

**Room:** Picasso, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): E Morris, University of Texas At Dallas;

Sandra Arlinghaus; Joseph J. Kerski, Esri

CHAIR(S): E Morris, University of Texas At Dallas

**1:20** E Morris\*, University of Texas At Dallas, *From Cantor to Christaller*.

**1:40** Sandra Arlinghaus\*; Joseph Kerski, Ph.D., ESRI, *Spatial Mathematics*.

**2:00** James Gaboardi\*, Florida State University, Department of Geography; Mark W Horner, PhD, Florida State University, Department of Geography, *The Effects of Centroid Connector Density on Spatial Network Optimization Models*.

**2:20** Qing Luo\*, *Taxi Fixed Point: An Equilibrium State of Taxi Flows in Dynamic Traffic Network*.

**2:40** Barry Joel Kronenfeld\*, Eastern Illinois University; Timothy F Leslie, George Mason University, *Restricted Random Labeling: A null model of spatial interaction between groups in multi-group geographic datasets*.

- 3436. Public Art Geographies of Territoriality (Sponsored by GeoHumanities Theme, Cultural Geography Specialty Group)**

**Room:** Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)  
 ORGANIZER(S): Martin Zebracki, University of Leeds; Joni M.

Palmer, University of Colorado at Boulder; Pauline Guinand, Ecole normale supérieure de Paris

CHAIR(S): Martin Zebracki, University of Leeds

Introducer: Martin Zebracki

**1:20** Dean Merlino\*, *Counterpoints and Cacophonies: Public Art and the Porous Boundaries of Sonic Territorialities*.

**1:40** Julian Day\*, Macquarie University, *Aural Consensus: Creating Community Through Homogeneous Dispersed Sound*.

**2:00** James Riding\*, The University of Sheffield, *The contested landscape of northwest Bosnia-Herzegovina*.

**2:20** Alyson M Mabie\*, Grand Valley State University, *Delineating Lines of Tension: Street Art, Territoriality and Cultural Shifts in Grand Rapids, Michigan*.

**2:40** Joni M Palmer, PhD\*, University of Colorado at Boulder, *Employing/Deploying definitions of "the public" in public art practice: territory, competition, and the status quo in the production of public art*.

Discussant(s): Martin Zebracki, University of Leeds; Joni M. Palmer, University of Colorado at Boulder; Pauline GUINARD, Ecole normale supérieure de Paris

- 3437. Practicing Geography: Undergraduate Engaged Scholarship (Sponsored by AAG Jobs and Careers Theme)**

**Room:** Wrigley, Hyatt, West Tower, Bronze Level (Illustrated Paper Session)

ORGANIZER(S): JoAnn (Jodi) C. Vender, Pennsylvania State Univ

CHAIR(S): JoAnn (Jodi) C. Vender, Pennsylvania State Univ

**1:20** William Coughlin\*, Penn State, *Analyzing and Illustrating the ISIS Conflict*.

**1:30** Jordin Cramner\*, Pennsylvania State University, *Languages in Pennsylvania*.

**1:40** Ryan Gallagher\*, Penn State, *Applications of GIS in Civil Engineering*.

**1:50** Courtney Jackson\*, The Pennsylvania State University; Guido Cervone, The Pennsylvania State University, *The Application of UAVs in Hazard Response and Prediction: A Case Study of Floods in State College, PA*.

**2:00** Hunter Koeberle\*, Pennsylvania State University, *Sawtooth Mountains Forests and the effects of Fire Suppression*.

**2:10** Bill Pongpichaya Limpisathian\*, The Pennsylvania State University; Hilary Clauss, PJM Interconnection; Scott W. Perkins, Fallingwater, Western Pennsylvania Conservancy; Cynthia A. Brewer, The Pennsylvania State University, *Custom Cartography of Frank Lloyd Wright Sites for UNESCO World Heritage Nomination*.

**2:20** Margaret Ruth Norton\*, *Food Deserts in the City of Boston*.

**2:30** Emerson Samoy\*, *The Local and Global Climate Impacts of the 1991 Mount Pinatubo Eruption*.

- 3438. Weather, Climate, and Health III: Advances in Urban Heat Island Research (Sponsored by International Geospatial Health Research Network, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group, Health and Medical Geography Specialty Group)**

**Room:** Acapulco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): David M. Hondula, Arizona State University; Michael Allen, Old Dominion University; Jennifer K. Vanos, Texas Tech University

CHAIR(S): David M. Hondula, Arizona State University

**1:20** XIAOXIAO LI\*, Arizona state university; Wenwen Li, Arizona State University; Anthony Brazel, Arizona State University; Sharon Harlan, Arizona State University; Billie L Turner II, Arizona State University, *The surface urban heat island and land architecture in Phoenix, Arizona: combined effects of land composition and configuration and cadastral-demographic-economic factors*.

**1:40** Muhammad Tauhidur Rahman, Ph.D.\*, King Fahd University of Petroleum and Minerals; Adel Shaheen Aldosary, Ph.D., King Fahd University of Petroleum and Minerals, *Land Use and Land Cover Changes and Urban Heat Island Effects in the City of Riyadh, Saudi*

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*Arabia..*

**2:00** Paulina Wong\*, Department of Geography, The University of Hong Kong; Melissa Hart, Australian Research Council Centre of Excellence for Climate System Science, University of New South Wales; Poh-Chin Lai, Department of Geography, The University of Hong Kong, *The Microclimate Influence of Urban Setting On Urban Heat Island Effects*.

**2:20** Robert Tsin, MSc Candidate\*, Occupational and Environmental Hygiene, School of Population and Public Health, University of British Columbia, *Heat Variability Mapping in Greater Vancouver, British Columbia, Canada*.

## **3439. Health, place and lifestyle mobility (Sponsored by Recreation, Tourism, and Sport Specialty Group, International Geospatial Health Research Network)**

*Room:* Atlanta, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Ulrika Akerlund; Marco Eimermann, Umeå University

CHAIR(S): Ulrika Akerlund

**1:20** Ulrika Akerlund\*, Umeå University, *Health, well-being and second homes*.

**1:40** Gijsbert Hoogendoorn\*, School of Geography, University of the Witwatersrand, *Medical Tourism by South Africans to India: an exploratory investigation*.

**2:00** Vicente Rodriguez\*, Spanish National Research Council; Joaquin Rodes, Dr, Catholic University of Murcia, Spain, *Multi-local living: integration patterns and health care strategies among retired migrants in Spain*.

**2:20** Marco Eimermann\*, Umeå University, *Dutch lifestyle entrepreneurs in Swedish countrysides; reflecting on health issues..*

**2:40** Kathleen D. Seal\*, Texas State University, *Therapeutic notions of the Appalachian Trail*.

## **3440. Technical approaches and disability/health issues (Sponsored by International Geospatial Health Research Network, Health and Medical Geography Specialty Group, Disability Specialty Group)**

*Room:* Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Susanne Zimmermann-Janschitz, University of Graz; Jessica Finlay, University of Minnesota

CHAIR(S): Susanne Zimmermann-Janschitz, University of Graz

**1:20** Susanne Zimmermann-Janschitz\*, University of Graz, *Disability, Mobility and ICT - Empty Promises or Ways to Inclusive Solutions?*

**1:40** Hamish Robertson\*, University of NSW, *Contours of Disability in America*.

**2:00** Chris Brennan-Horley\*, University of Wollongong, *Qualitative GIS for dementia friendly environments: Illuminating spatial perspectives*.

**2:20** Megan Brittell\*, University of Oregon; Michal Young, PhD, University of Oregon; Amy Lobben, PhD, University of Oregon, *Patterns in Non-visual Map Reading: Stylus-based Interaction with an Auditory GIS*.

**2:40** Sandy Wong\*, University of Illinois at Urbana-Champaign, *Exploring Spatial Trends of Vision Disability in California*.

## **3441. Spatial Epidemiology III: Infectious and vector-borne diseases (Sponsored by Geographic Information Science and Systems Specialty Group, International Geospatial Health Research Network, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* New Orleans, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Eric M. Delmelle, UNC-Charlotte; Tijs Neutens, Ghent University

CHAIR(S): Eric M. Delmelle, UNC-Charlotte

**1:20** Eric David Taber\*, Penn State; Erica Smithwick, Dr., Penn State, *Do Protected Areas Influence Malaria Prevalence in Sub-Saharan Africa?*

**1:40** Michael Rienti Jr, MA\*, University at Buffalo, *A Space-Time Analysis of the 2012 Texas West Nile Virus Outbreak*.

**2:00** Eric M. Delmelle\*, UNC-Charlotte; Irene Casas, Louisiana Tech, *Dynamics of Dengue Fever Outbreaks At Different Space-Time Granularities*.

**2:20** Min-Hau Lin\*, Institute of Health Policy and Management, National Taiwan University; Tzai-Hung Wen, Department of Geography, National Taiwan University, *Incorporating the human- Aedes Mosquitoes interactions into measuring the spatial risk of urban dengue fever*.

**2:40** Hyeoung Kim\*, The Ohio State University, *The Impact of Host Mobility on Infectious Disease Transmission: An Empirical Study on Foot-and-Mouth Disease*.

## **3442. Urban Geography Plenary Lecture: Ananya Roy, "What is Urban About Critical Urban Theory?" (Sponsored by Urban Geography Specialty Group)**

*Room:* Regency A, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Robert W. Lake, Rutgers University; Deborah G. Martin, Clark University

CHAIR(S): Robert W. Lake, Rutgers University

Introducer: Robert W. Lake

Introducer: Deborah G. Martin

Discussant(s): Ananya Roy, University of California, Berkeley; Kate Derickson, University of Minnesota; Linda Peake, York University

## **3444. New Directions in Mapping 1: Research, jobs, and teaching outside the academy**

*Room:* Regency C, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Alan McConchie, University of British Columbia; Britta Ricker, University of Washington Tacoma; Matthew Zook, University of Kentucky

CHAIR(S): Britta Ricker, University of Washington Tacoma

Panelists: John Bailey; Courtney Claessens, Esri; Andrew Hill, CartoDB; Charlie Loyd, Mapbox; Alan McConchie, University of British Columbia

## **3445. The Value of Capitalist Natures IV: Future Directions (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)**

*Room:* Regency D, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Kelly Kay, Clark University; Miles Kenney-Lazar

CHAIR(S): Miles Kenney-Lazar

Discussant(s): Bruce Braun, University of Minnesota - Minneapolis

Panelists: Rebecca Lave, Indiana University; Nathan F. Sayre, University of California, Berkeley; Jacque (Jody) L. Emel, Clark University; Bram Büscher, Sociology of Development and Change, Wageningen University; Mazen Labban, Rutgers University

## **3446. Reconfiguring China's environmental governance in a relational, multi-scalar context (Sponsored by China Specialty Group, Economic Geography Specialty Group)**

*Room:* San Francisco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): I-Chun Catherine Chang, University of Minnesota; David C. Gibbs, University of Hull; Zhen Yu, University of Hull

CHAIR(S): David C. Gibbs, University of Hull

**1:20** Zhen Yu\*, University of Hull, *Sustainability transition in urban-industrial China: a case study in China's Solar City*.

**1:40** Calvin King-Lam Chung\*, University College London, *Upscaling in Progress: The Reinvention of Urban Planning as an Apparatus of Environmental Governance in China*.

**2:00** Adina Matisoff\*, UCLA - Dept. of Geography, *China's Environmental Governance Abroad: Lessons From a*



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*Contested Chinese Oil Project in Peru.*

**2:20** I-Chun Catherine Chang\*, University of Minnesota,  
*Livelihood transitions in Chinese ecological  
urbanization.*

Discussant(s): Alana Boland, University of Toronto

## **3447. Sustainable Supply Chains (II): Innovation and adaptation in the private sector**

*Room:* Toronto, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Kimberly M. Carlson, University of Minnesota; Rachael Garrett, Harvard University; Holly Gibbs, University of Wisconsin-Madison

CHAIR(S): Kimberly M. Carlson, University of Minnesota

**1:20** Ximena Rueda\*, Universidad de los Andes, *Formal versus informal sustainability initiatives: a comparison between third-party certification and first-party sustainability innovations to promote sustainable land use and livelihoods.*

**1:40** Elizabeth O. Christensen\*, UC Davis, *Deurbanizing the Produce Supply Chain: A Geographic Investigation of Changes in California Produce Distribution.*

**2:00** Rachael Garrett\*, Boston University, Harvard University; Julio Cesar dos Reis, Embrapa, *Tradeoffs between integrated and specialized crop and livestock systems in Brazil and the US.*

**2:20** Juliana Gil, M.Sc.\*, University of Hohenheim; Rachael Garret, Ph.D., Harvard University; Thomas Berger, Prof. Dr., University of Hohenheim, *Exploring the Spatial Patterns of Integrated Crop-Livestock Systems in Mato Grosso, Brazil.*

**2:40** Avery Simon Cohn, Ph.D.\*, Tufts University, *Public and Private Responses to Climate Risk in Tropical Agricultural Supply Chains: The Case of The Soy-Corn Cropping System in Cerrado Brazil.*

## **3448. Histories of Cartography: Power and Technologies in the 20th Century (Sponsored by GeoHumanities Theme, History of Geography Specialty Group, Historical Geography Specialty Group, Cartography Specialty Group)**

*Room:* Crystal A, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Christina E. Dando, University of Nebraska-Omaha

CHAIR(S): Christina E. Dando, University of Nebraska-Omaha

**1:20** Christina E. Dando\*, University of Nebraska-Omaha, *"3436 blots of shame": The Subaltern Cartographies of Early 20th Century Anti-Lynching Maps.*

**1:40** Bill Wyckoff\*, Montana State University, *Promotional cartographies: the Clason Map Company and representations of the American West, 1903-1931.*

**2:00** Raechel A. Bianchetti, Dr.\*, Michigan State University, *The rise of the orthophoto map!.*

**2:20** Jacqueline Gallagher\*, University of Mary Washington, *Past, Present & Future of the geodetic datum: a look at the development of accurate positioning.*

**2:40** Mark Monmonier\*, Syracuse University, *Stalking Early Twentieth-Century Cartographic Inventors with Big Microdata.*

## **3449. Progress in Human Geography/CPESG Netting Lecture (Sponsored by Cultural and Political Ecology Specialty Group)**

*Room:* Crystal B, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Robert Kitchin, National University of Ireland

CHAIR(S): Robert Kitchin, National University of Ireland

**1:20** Paul Robbins\*, Nelson Institute for Environmental Studies University of Wisconsin, *Baby Bust: Towards Political Demography.*

## **3450. Towards an Atlas of Peace-I (Sponsored by International Research and Scholarly Exchange Committee, Ethics, Justice, and Human Rights Specialty Group)**

*Room:* Crystal C, Hyatt, West Tower, Green Level (Panel Session)

ORGANIZER(S): Vandana Wadhwa, Boston University; Jeremy Tasch, Towson University; Fausto O. Sarmiento, University of Georgia

CHAIR(S): Stanley D. Brunn, University of Kentucky

Introducer: Jeremy Tasch

Introducer: Jennifer Fluri

Discussant(s): John Clark Archer, University of Nebraska

Panelists: Stanley D. Brunn, University of Kentucky; Fiona McConnell, University of Oxford; John C. Kostelnick, Illinois State University; Kathleen Schroeder, Appalachian State University

## **3451. Global perspectives on (re-)theorizing the urban through modes of production #1 - New spatial arrangements of labor and production (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* Stetson A, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Johanna Hoerning, TU Berlin; Marit Rosol, TU Dresden / University of Frankfurt

CHAIR(S): Johanna Hoerning, TU Berlin

Introducer: Johanna Hoerning

Introducer: Marit Rosol

**1:30** Lena Flamm\*, Technical University Cottbus, *Bottom-up space makers of r-urbanscapes - challenges to notions of the urban.*

**1:50** Tobias Kuttler\*, Technical University Berlin; Theresa Zimmermann, Technical University Berlin / Free University Berlin, *Contested Materialities: Urban Modes of Life of Agricultural Producers in Hyderabad and Chennai.*

**2:10** Markus Hesse\*, University of Luxembourg; Markus Hesse\*, University of Luxembourg; Markus Hesse, University of Luxembourg; Markus Hesse\*, University of Luxembourg, *Digital vs. urban logics of production. Value creation, disruption and dislocation in the Internet age.*

**2:30** Chris Benner, Ph.D.\*, University of California Davis; Seán Ó Riain, Ph.D., Maynooth University--National University of Ireland Maynooth, *The Informational Labor Process and the Regional Workplace.*

Discussant(s): Rob Krueger, Worcester Polytechnic Institute

## **3452. Getting There: Accessibility, Development, and Flows (Sponsored by Transportation Geography Specialty Group)**

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Cassandra Kuyvenhoven

**1:20** Andrew Seedhouse, Dr\*, Plymouth University, England, *The Road Less Travelled: Rural Transport Barriers and Women Entrepreneurs in Nigeria.*

**1:40** Justin VanderBerg\*, EnDev Geographic, *The Efficiency of Informal Road Networks in Peri-Urban Spaces: Insights from UAV Mapping Mongolia.*

**2:00** Qitao Wu\*, Hongou Zhang, *The Impact of Hong Kong-Zhuhai-Macao Bridge to the Pearl River Delta Traffic Pattern.*

**2:20** Daniel Yonto\*, University of North Carolina - Charlotte; Jean-Claude Thill, University of North Carolina - Charlotte, *Charlotte, North Carolina: Balancing transportation investments in a globalizing city.*

**2:40** Cassandra E. Kuyvenhoven\*, Queen's University, *Innovative Solutions to Canada's Waste Management Problem: Comparing Local Versus Remote Waste Transportation.*

## **3453. Resilience and Risk Communication (Sponsored by Hazards, Risks, and Disasters Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Communication Geography Specialty Group)**

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Bandana Kar, University of Southern Mississippi; David M. Cochran, University of Southern



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## Mississippi

CHAIR(S): Bandana Kar, University of Southern Mississippi

**1:20** Lauren Land, M.S.\*, Louisiana State University, *Planning for Resilience: Gulf of Mexico Ports.***1:40** Bandana Kar\*, University of Southern Mississippi; Xiaohui Liu, University of Southern Mississippi, *Spatio-Temporal Variability of Financial Loss: A Case Study of Florida Housing Market.***2:00** Kenan Li\*, Louisiana State University; Nina Lam, Louisiana State University, *A Cyber-infrastructure for Community Resilience Assessment and Visualization.***2:20** Joslyn Zale, M.S.\*, The University of Southern Mississippi; Bandana Kar, Ph.D., The University of Southern Mississippi; David M. Cochran, Jr., Ph.D., The University of Southern Mississippi; James Dickens, The University of Southern Mississippi; J.O. Joby Bass, Ph.D., The University of Southern Mississippi, *Spatial Distributions in the Use of Alert and Warning Devices: A Case Study from the Mississippi Gulf Coast.***2:40** David M. Cochran, Jr., Ph.D.\*, University of Southern Mississippi; Bandana Kar, Ph.D., University of Southern Mississippi; Joslyn Zale, University of Southern Mississippi; James Dickens, University of Southern Mississippi; J. O. Joby Bass, Ph.D., University of Southern Mississippi, *Household and Agency Perceptions of Emergency Warning Platforms: A Comparative Study from the Mississippi Gulf Coast.***3454. Gail Hobbs Student Paper Competition 1 (Sponsored by Geography Education Specialty Group)***Room:* Stetson E, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Herschel Stern, Miracosta College

CHAIR(S): Herschel Stern, Miracosta College

**1:20** Michelle D Majeed\*, University of Toronto, *"Replacing" stigma: Fostering an anti-stigma agenda in geographic education.***1:40** Ashlee Tziganuk, Master's Student\*, University of Oklahoma, *The Geography of Sustainability: An Interdisciplinary Learning Perspective.***2:00** Thomas R. Craig\*, Oklahoma State University, *A (Re) Visioning of Undergraduates' 'Sense' of Place: Using Juvenile Fiction to Create a Holistic Approach to Place in an Introductory Geography Course.***2:20** Forrest Bowlick\*, Texas A&M University, *Knowledge, Skills, and Practices in GIS Programming and CyberGIS courses.*

Discussant(s): Herschel Stern, Miracosta College

**3455. Legal geographies 11: Power, (post)disciplinarity, and practice -- B -- Nature, society, economy (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)***Room:* Stetson F, Hyatt, West Tower, Purple Level (Panel Session)

ORGANIZER(S): Brandon Derman, University of Washington; Tiffany Grobelski; Jesse McClelland, University of Washington

CHAIR(S): Brandon Derman, University of Washington

Panelists: Josephine Gillespie, The University of Sydney, Australia; Deborah Scott, Rutgers University; Christopher Muellerleile, University of Bristol; Melinda Harm Benson, University of New Mexico; John Carr, University of New Mexico; Irus Braverman, SUNY - Buffalo

**3456. Engaging the Public through Cartography, Visualization and Web Mapping (Sponsored by Cartography Specialty Group)***Room:* Stetson G, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Barry Joel Kronenfeld, Eastern Illinois University

CHAIR(S): John Wolf, USGS-CBPO

**1:20** Elizabeth Dow\*, KaBOOM!, *Geographic Analysis of Play:**Creating a National Play Desert Map.***1:40** Enda Murphy\*, *Noise maps on the move: a case study of Hartford, CE.***2:00** Daniel G. Cole\*, Smithsonian Institution, *Mapping the Inka Road System for Public education with a Museum Exhibit Display.***2:20** George Thomas Raber\*, University of Southern Mississippi; James Frank Dickens, University of Southern Mississippi; Joby Bass, University of Southern Mississippi, *Mapossum.org: A Spatial Web-survey and Visualization System.***2:40** John Wolf\*, USGS-CBPO, *Geospatial Visualization and Chesapeake Bay Restoration.***3457. Marxist geography 2: Nature, economy, employment***Room:* Addams, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Jamie Gough, Sheffield University; Raju J. Das, York University

CHAIR(S): Jamie Gough, Sheffield University

**1:20** Robert M. Bridi\*, York University, *The Political Economy of Biotechnology in Agriculture: A Review and Critique of the Recent Academic Literature.***1:40** Brent McCusker\*, West Virginia University, *Does Marxist Geography Matter to Development Studies?.***2:00** AMIT ANSHUMALI\*, Cornell University, *Class, Caste & Patriarchy: Emerging Contradictions from Men's Off-Farm Employment on Women's Economic Roles in Rural India.***2:20** Kevin R. Cox\*, Ohio State University, *Marxism, Critical Human Geography, And Lessons From South Africa.***2:40** Karl Beitel\*, *"The international role of the dollar; the value of labor power; and the post-2008 crisis of the neoliberal regime of predatory finance capital".***3458. Fleshy and Messy: Health as Social Reproduction (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Sexuality and Space Specialty Group)***Room:* Burnham, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Paul S. B. Jackson, University of Delaware;

Caitlin Henry, University of Toronto

CHAIR(S): Caitlin Henry, University of Toronto

Introducer: Caitlin Henry

Introducer: Paul S. B. Jackson

Discussant(s): Abigail H. Neely, Dartmouth College

Panelists: Kendra Strauss, Simon Fraser University; Mike Dimpfl, UNC Chapel Hill; Jenna M. Loyd, University of Wisconsin-Milwaukee; David Spataro, Bellevue Community College

**3459. From Kreuzberg to Williamsburg (3): Exploring the trans-local nature of cultural scenes and the creation and diffusion of knowledge, practices and value(s) across space, scale and industry. (Sponsored by Cultural Geography Specialty Group)***Room:* Dusable, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Chiara Valli, Uppsala University; Brian J.

Hraes, University of Southampton; Taylor Brydges, Uppsala University

CHAIR(S): Chiara Valli, Uppsala University

**1:20** Jens Kaae Fisker\*, University of Southern Denmark; Letizia Chiappini, Milano-Bicocca University, *From the Village to the Metropolis: Exploring Cultural Scenes in the Urbanized Countryside, the Small City and the Global Metropolis.***1:40** Cheng-Yi Lin\*, National Taipei University of Education, *The emergence and evolution of new media industry cluster in Taipei: An agency perspective.***2:00** Mariangela Lavanga\*, Erasmus University Rotterdam, *"Behind the scenes" in fashion curation. Who and what does influence concept stores in forming and diffusing homogeneous styles across scenes.*

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**2:20** Stephen Volan\*, Indiana University Bloomington, *The Campus As City: American Colleges And Other Urbanizing Places.*

Discussant(s): Annette Koh, University of Hawaii at Manoa, Urban & Regional Planning

## **3460. Bridging Postcolonial and Posthumanist Geographies II (Sponsored by Cultural Geography Specialty Group)**

*Room:* Field, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Mark Simon Jackson, University of Bristol; Matthew Clay Watson, Texas Tech University; Maan Barua, University of Oxford

CHAIR(S): Mark Simon Jackson, University of Bristol

**1:20** Matthew Clay Watson\*, Texas Tech University, *Multispecies Mythologies.*

**1:40** Sophie Sapp Moore, PhD Candidate\*, University of California, Davis, *Pigs and poison: Ecological relations and ontological politics in rural Haiti.*

**2:00** E Jeffrey Popke\*, East Carolina University, *Materializing the Post-Colonial Caribbean: Decolonial Theory and Plantation Ecologies of Matter in Jamaica.*

**2:20** Andrew Baldwin\*, Durham University, *Postcolonial futures: interrogating otherness as the yet-to-come.*

Discussant(s): Maan Barua, University of Oxford

## **3461. The Socioeconomic Challenges and Opportunities of Africa's Youth Bulge (Sponsored by Africa Specialty Group)**

*Room:* Horner, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Joseph R. Oppong, University of North Texas; Kefa M. Otiso, Bowling Green State University; Benjamin Ofori-Amoah, Western Michigan University

CHAIR(S): Joseph R. Oppong, University of North Texas

**1:20** Joseph R. Oppong\*, University of North Texas, *The Challenge of Youth Unemployment in West Africa.*

**1:40** Benjamin Ofori-Amoah\*, Western Michigan University, *The Challenges of the Africa's Youth bulge - The Case of North Africa.*

**2:00** Kefa M. Otiso\*, Bowling Green State University, *Kazi kwa Vijana: Kenya's Quest for Full Youth Employment.*

**2:20** Jeremiah Njeru\*, West Virginia University, *Government Interventions in Youth Unemployment in South Africa: Challenges and Prospects.*

Discussant(s): Mary Njeri Kinyanjui, Nairobi University-IDS

## **3462. Spatial Inequality I: Global/Europe (Sponsored by Regional Development and Planning Specialty Group, Applied Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* McCormick, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Yehua Dennis Wei, University of Utah

CHAIR(S): Cindy Fan, UCLA

**1:20** Andres Rodriguez-Pose\*, London School of Economics; Daniel Hardy, London School of Economics, *Addressing poverty and inequality in the rural economy from a global perspective.*

**1:40** Yehua Dennis Wei\*, University of Utah, *Spatiality of Regional Inequality.*

**2:00** Jessie P. Poon\*, University at Buffalo-SUNY; Gordon K. Tan, University at Buffalo-SUNY; Wei Yin, University at Buffalo-SUNY, *Wage Inequality between Financial Hubs and Periphery.*

**2:20** Peter Balogh\*, CERS-HAS, *Growing socio-spatial polarization in eastern vs. western Europe.*

**2:40** Michael Bentlage\*, Munich University of Technology; Alain Thierstein, Munich University of Technology; Fabian Wenner, Munich University of Technology, *The increasing role of the knowledge economy and the system of Central Places in Germany. Learnings for spatial development planning?.*

## **3463. Sports Geography**

*Room:* Ogden, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Melissa J. Tolene Rura, United Methodist Neighborhood Centers of Memphis

CHAIR(S): Theodore L. Goudge, Northwest Missouri State

**1:20** TALABI OBAFEMI\*, University of Lagos, Nigeria, *Enhancing Nigeria's Unity through Geographic Information System in Sports.*

**1:40** Chris J. Fertig\*, University of Kansas Department of Geography, *The Global Diffusion of Basketball.*

**2:00** Mark De Socio\*, Salisbury University, *Location patterns of Minor League Baseball teams in relation to their Major League affiliates.*

**2:20** Ray Oldakowski\*, Jacksonville University; Ashley Johnson, Jacksonville University, *A Geographic Perspective of Football Brain Injuries.*

**2:40** Theodore L. Goudge, Sport Geographer\*, Northwest Missouri State, *Intercollegiate Athletics and College Athletes: A Geographic Analysis.*

## **3464. Hurricanes III: Geomorphic Impacts (Sponsored by Coastal and Marine Specialty Group)**

*Room:* Wright, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University

CHAIR(S): Harry Williams, University of North Texas

**1:20** Jeffrey J. Danielson\*, United States Geological Survey; John C. Brock, United States Geological Survey; Gayla A. Evans, United States Geological Survey; Dean J. Tyler, United States Geological Survey, *The USGS Coastal National Elevation Database (CoNED): Integrated 3DEP Topobathymetric Models for the US Coastal Zone.*

**1:40** Phillippe Wernette\*, Texas A&M University - Geography; Bradley Weymer, Texas A&M University - Geology and Geophysics; Chris Houser, Texas A&M University - Geography; Michael Bishop, Texas A&M University - Geography; Mark Everett, Texas A&M University - Geology and Geophysics, *Integration of geophysics and LiDAR to assess the role of geologic inheritance in barrier island evolution.*

**2:00** Joshua Brian Hodge\*, University of North Texas; Harry F. L. Williams, University of North Texas, *Assessing Post-Hurricane Rita & Ike sedimentation on the McFaddin National Wildlife Refuge: Implications for coastal marsh aggradation.*

**2:20** Chris Houser\*, Texas A&M University; Phil Wernette, Texas A&M University; Elizabeth Rentschlar, Texas A&M University; Hannah Jones, Carleton College; Brianna Hammond, Texas A&M University, *Post-hurricane beach and dune recovery: implications for barrier island resilience.*

**2:40** Courtney Thompson\*, University of Idaho; Tim G. Frazier, Dr., University of Idaho, *Development of a probabilistic storm surge inundation model for more precise sub-county flood risk modeling.*

## **3465. Assessing Climatic Drivers of Earth Surface Processes using Satellite Observations (Sponsored by Remote Sensing Specialty Group)**

*Room:* Michigan A, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Rebecca L. Powell, University of Denver

CHAIR(S): Michelle Howard, University of Idaho

**1:20** Qian Fan\*, University of South Carolina; Cuizhen Wang, University of South Carolina, *Time-series analysis monitoring alpine grasslands and climate dependencies in Tibetan Plateau.*

**1:40** Qingqing Shi\*, University of Maryland; Shunlin Liang, University of Maryland, *Spatial and Seasonal Variability of the Surface Energy Budget over the Tibetan Plateau.*

**2:00** Nathan Amador\*, Ohio Wesleyan University, *Supraglacial Melt Lake Areas as Modulated by Local and Regional Climate Variability.*

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**2:20** Jim Coll\*, Xingong Li, *Global Analysis of Snow Cover Changes Using Google Earth Engine and MODIS Data Products.*

**2:40** Michelle Howard\*, University of Idaho; Karen Humes, University of Idaho, *Fine-scale sea surface trends from AVHRR Pathfinder SST data from 1982-2009.*

**3466. Author meets critics - Bobby Benedicto's 'Under Bright Lights: Gay Manila and the Global Scene' (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)**

*Room:* Michigan B, Hyatt, East Tower, Ped Path (Panel Session)

ORGANIZER(S): Natalie Oswin, McGill University

CHAIR(S): Natalie Oswin, McGill University

Discussant(s): Bobby Benedicto, McGill University - Montreal, QC

Panelists: David K. Seitz, University of Toronto; Derek Ruez, University of Kentucky; Geraldine J. Pratt, University of British Columbia; Martin Manalansan, University of Illinois

**3467. Remote Sensing Applications to Map Habitat Suitability and Biodiversity (Sponsored by Remote Sensing Specialty Group)**

*Room:* Michigan C, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Rebecca L. Powell, University of Denver

CHAIR(S): Ahmad Massasati, University of Pittsburgh at Johnstown

**1:20** Samuel M Jantz\*, University of Maryland; Lilian Pinteá, Dr., Jane Goodall Institute; Janet Nackoney, Dr., University of Maryland; Matthew C Hansen, Dr., University of Maryland, *High Resolution Mapping of Chimpanzee Habitat Suitability.*

**1:40** James R. Hatten\*, USGS, *Mapping and Monitoring Mount Graham Red Squirrel Habitat with Lidar and Landsat Imagery.*

**2:00** Maryam Ghadiri Khanaposhani\*, Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN, USA; Luis J. Villanueva-Rivera, Department of Forestry and Natural Resources Purdue University, West Lafayette, IN, USA; Jinha Jung, Department of Civil Engineering at Texas A&M University, Texas, USA; Bryan C. Pijanowski, Department of Forestry and Natural Resources Purdue University, West Lafayette, IN, USA, *The Effect of Spatial and Structural Features of Habitat on Bird and Soundscape Diversity in Temperate Forest Landscape.*

**2:20** Cynthia SA Wallace, PhD\*, United States Geological Survey; Daniel P. Guaderrama, MSGIST, University of Arizona; Miguel L. Villarreal, PhD, U.S. Geological Survey; Jessica J. Walker, PhD, U.S. Geological Survey, *Interannual Variability of Yellow-billed Cuckoo Habitat in Arizona.*

**2:40** Ahmad Massasati\*, University of Pittsburgh at Johnstown, *Applied GIS / Remote Sensing Technology to Sampling Biodiversity.*

**3468. Our future food- and fuel-scapes (I): U.S. agricultural land-use change and its implications (Sponsored by Rural Geography Specialty Group, Energy and Environment Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Tyler J. Lark, University of Wisconsin - Madison; Holly Gibbs, University of Wisconsin-Madison

CHAIR(S): Tyler J. Lark, University of Wisconsin - Madison

**1:20** Zhangcai Qin\*, Argonne National Laboratory; Jennifer B. Dunn, Argonne National Laboratory; Hoyoung Kwon, International Food Policy Research Institute; Steffen Mueller, University of Illinois at Chicago; Michelle M. Wander, University of Illinois at Urbana-Champaign, *Sharing land with food: How will corn stover biofuel development impact soil carbon balance and imply life*

*cycle greenhouse gas emissions?.*

**1:40** Meimei Lin\*, Miami University, *Agricultural land uses and cropping pattern changes across the Midwest Corn Belt region, 2006-2013.*

**2:00** David Kelley\*, University of St. Thomas, *Effects of Increased Ethanol Production on the Conservation Reserve Program in Minnesota.*

**2:20** Russell Graves\*, University of Central Oklahoma, *Towards an Agroenergy-Based Future? The Conservation Reserve Program and Bioenergy Opportunities.*

Discussant(s): Tyler J. Lark, University of Wisconsin - Madison

**3469. Green Violence 2: Interrogating New Conflicts over Nature and Conservation (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**

*Room:* Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Elizabeth Lunstrum, Department of Geography; Bram Büscher, Sociology of Development and Change, Wageningen University; Maano Ramutsindela

CHAIR(S): Maano Ramutsindela

**1:20** Hannah Jaicks, M.Phil.\*, The CUNY Graduate Center, *To Hunt or Not to Hunt?: Constructing What Constitutes Predator Conservation in the Greater Yellowstone Ecosystem.*

**1:40** Alice B. Kelly\*, University of California, Berkeley, *Policing Paradise: The Evolution of Law Enforcement in US National Parks.*

**2:00** Luregn Lenggenhager\*, University of Zurich, *Militarizing Nature: Creating and Protecting 'Nature' in North Eastern Namibia.*

**2:20** Elizabeth Lunstrum\*, Department of Geography, *A Political Ecology of International Borders: The Edge Spaces of Green Violence.*

Discussant(s): Maano Ramutsindela

**3470. Physical Geography Poster Session (Sponsored by Symposium on Physical Geography Theme)**

*Room:* Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)

See pages 244-252.

**3473. The Politics of Social Policy and Community Development under Financialization II: Ambiguous and Emergent Political Contestation (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)**

*Room:* Lucerne 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Emily Rosenman, University of British Columbia Liu Institute for Global Issues - Vancouver, BC; Benjamin F. Teresa, Rutgers University

CHAIR(S): Emily Rosenman, University of British Columbia Liu Institute for Global Issues - Vancouver, BC

**1:20** Benjamin F Teresa\*, Rutgers University, *Managing the Fiction in Fictitious Capital: Tenant Activism, Policy and Distressed Debt in New York City.*

**1:40** Jessa Loomis\*, University of Kentucky, *Financial Inclusion at the Site of the Financial Literacy Program: Bringing the Unbanked and Underbanked into the Financial Mainstream.*

**2:00** Evan Casper-Futerman\*, Rutgers University, *Organizing Economic Democracy Under Financialization.*

**2:20** Caroline Sage Ponder\*, University of British Columbia, *Unfunded Mandates, Financialization, and Municipal Water in the US Black Belt.*

Discussant(s): James DeFilippis, Rutgers University

**3474. Socio-Technical (Sustainability) Transitions in the making: emerging geographies of eco-innovation and green industrial change 1 (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**

*Room:* Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

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ORGANIZER(S): Christian Binz, Harvard University; Bernhard Truffer, Eawag; James T. Murphy, Clark University

CHAIR(S): Lars Coenen, Lund University, Sweden

**1:20** Boris Battistini\*, Eawag and ETH Zurich; Bernhard Truffer, Eawag and Utrecht University; James T. Murphy, Clark University, *Towards a global innovation systems perspective for sustainability transitions.*

**1:40** Christian Binz\*, Harvard University, *Path transplantation in the solar PV sector: How global innovation networks induced China's "solar valley".*

**2:00** Cian O'Donovan\*, University of Sussex, *Locating Innovation System Building Processes in Catch-up Contexts: Why and how Renewable Electricity Systems Emerge in Europe..*

**2:20** Luis Carvalho\*, University of Porto, *Electric utilities shaping global technological niches The smart city programme of Enel in Rio de Janeiro and Santiago de Chile.*

**2:40** Filippo Randelli\*, Department of Economics and Management, University of Florence (Italy); Benedetto Rocchi, Department of Economics and Management, University of Florence (Italy), *For a broader concept of Technological Innovation System (TIS). The case of food industry in Italy.*

**3475. Economic Geography X - Institutions, Skills, Decisions and Dealmakers (Sponsored by Economic Geography Specialty Group)**

Room: Lucerne 3, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; David L. Rigby, UCLA

CHAIR(S): Jennifer Clark, Georgia Institute of Technology

**1:20** Evans Korang Adjei\*, Umea University; Rikard Eriksson, Associate professor, Umea university; Urban Lindgren, Associate professor, Umea university, *How Do Social and Cognitive Proximity affect Plant Performance? The Importance of Family and Skills Relatedness..*

**1:40** Jonathan Borggren\*, Department of Geography and Economic History, Umeå University; Rikard H Eriksson, Department of Geography and Economic History, Umeå University; Urban Lindgren, Department of Geography and Economic History, Umeå University, *Knowledge flows in high-impact firms: How does relatedness influence survival, acquisition and exit?.*

**2:00** Lech Suwala\*, Humboldt-University, Berlin / Ritsumeikan University, Osaka; Päivi Oinas, University of Turku, *The decision-maker in economic evolution: Economic geography and the institution of the manager?.*

**2:20** Thomas Kemeny\*, University of Southampton; Maryann Feldman, University of North Carolina at Chapel Hill, *Dealmakers, Regional Social Capital and Firm Performance.*

Discussant(s): Ron Boschma, Utrecht University

**3476. Financial Services Institutions, Insurance, Retail/Real Estate and REITS (Sponsored by Business Geography Specialty Group)**

Room: Alpine 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Linda A. Peters, Esri

CHAIR(S): Linda A. Peters, Esri

**1:20** Franz Floegel\*, Institute for Work and Technology, *Diversity in Banking? Decentralized versus Centralized Business Lending in Germany.*

**1:40** Graham Squires\*, *The Future Financing of Real Estate Development in Cities: Comparing US and European Approaches.*

**2:00** Mahesh Somashekhar\*, Princeton University, *Reaching Out or Reaching In? On the Location of Suppliers to Firms in Resource Deprived Business Clusters.*

**2:20** Jason Spicer\*, MIT, *Geographies of US Finance and*

*The Shortsightedness of "Community Development Finance".*

**2:40** Greg Oulahen\*, University of Western Ontario, *Flood insurance in Canada: Implications for flood management and residential vulnerability to flood hazards.*

**3477. Spatiotemporal Symposium: Human behaviors (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: Alpine 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Min Sun, George Mason University; Keith C. Clarke, University of California, Santa Barbara; Weihe Wendy Guan, Harvard University

CHAIR(S): Mark W. Horner, Florida State University

**1:20** Matthew Yang Zhan\*, University of Texas at Austin, *Orientation Event Behavior Analysis.*

**1:40** Mark W. Horner\*, Florida State University; Brittany Wood, Florida State University; Joni A. Downs, University of South Florida, *Analysis of Variations in TGDE-based Estimates of Mobile Object Moving Patterns.*

**2:00** Jiaying He\*, University of Maryland, College Park; Cheng Fu, University of Maryland, College Park; Paul Torrens, University of Maryland, College Park; Liana Sayer, University of Maryland, College Park; Jae-In Lee, University of Maryland, College Park, *Utilizing Web Based Time Diary and GPS Tracking Data for Time Use and Human Behavior Pattern Analysis.*

**2:20** Mollie Doerner\*, University of Denver, *Trend Tracking with Twitter and GIS.*

**2:40** Yang Bao\*, University of Arizona, *The Geography of Food Access: Exploring the Spatio-Temporal and Socioeconomic Dimensions.*

**3478. Urban Development in the 21st Century (Sponsored by Graduate Student Affinity Group, Ethnic Geography Specialty Group)**

Room: Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Graciela Sandoval; Wan Yu, Arizona State University

CHAIR(S): Bradford Dubik, Duke University Marine Laboratory

**1:20** Yixiang Sun\*, university college london, *Constructing the Chinese Entrepreneurial City?The Politics of Culture-led Redevelopment in Xi'an.*

**1:40** Pablo Fuentenebro\*, University of Western Sydney, *On urban regeneration: The role of private culture-led investments in the city..*

**2:00** Shahin Rahman, PhD Candidate\*, University of Hawaii - Manoa, *A Tale of Three Cities: Influence of Planning Culture in City Governance and Planning.*

**2:20** Melissa Erica Holmes, MS\*, University of Tennessee, *Changing Suburbia: Case study of Chinese Migrants in Texas.*

**2:40** Bradford Dubik\*, Duke University Marine Laboratory, *White Spot and Watermen: Impacts of Epidemic Shrimp Disease on Producers in Aceh, Indonesia and North Carolina, USA.*

**3479. Precarious Geographies (I) Precarious Places: Urban Decline, Welfare and Employment**

Room: St. Moritz, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Mel Nowicki, Royal Holloway, University of London; Ella Rhea Selene Harris, Royal Holloway, University of London

CHAIR(S): Mel Nowicki, Royal Holloway, University of London

**1:20** Adam Moore\*, UCLA, *Wages of war: Prosperity and precarity among workers in Bosnia's peacekeeping and war economies.*

**1:40** Benjamin Rubin\*, UNC Chapel Hil, *Precarity of Parenting: Child Welfare and Spaces of Poverty.*

**2:00** Kerry L. Holden\*, Concordia University, *Spectral Scientists*

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*and Precarious Careers in the Biosciences.*

**2:20** Shaun French\*, University of Nottingham, *Placing Financial Precarity: Payday Lending in the UK.*  
Discussant(s): Daniel G. Cockayne, University of Kentucky

**3480. Development and Spectacle in the Southeast Asian City (Sponsored by Asian Geography Specialty Group)**

*Room:* Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Michael R. Glass, University of Pittsburgh

CHAIR(S): Michael R. Glass, University of Pittsburgh

Introducer: Michael R. Glass

**1:25** Shaun Teo, Mr. \*, National University of Singapore, *"Star" Public Housing: Graduated Citizenship in the City.*

**1:45** GU Zhonghua\*, City University of Hong Kong; WISSINK Bart, City University of Hong Kong, *Contesting Guangzhou Class, Difference and the 2010 Asian Games.*

**2:05** Abigail Wolensky\*, University of Pittsburgh Graduate School of Public and International Affairs, *London's Canary Wharf and Singapore's Marina Bay: A Comparative Analysis of Waterfront Redevelopment.*

**2:25** Linh Tung Nguyen\*, Wittenberg University, *Urban issues of Hanoi during its transition and the Master Plan to 2030.*

Discussant(s): Michael R. Glass, University of Pittsburgh

**3481. Transit Landscapes I (Sponsored by Transportation Geography Specialty Group)**

*Room:* Verbier, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Michael Minn, University of Illinois

CHAIR(S): Michael Minn, University of Illinois

**1:20** Clemens André Pilgram\*, Macalester College, *Pedestrian access to light rail service and property values: Evidence from Minneapolis, Minnesota.*

**1:40** Christopher D. Higgins\*, McMaster University; Pavlos S Kanaroglou, McMaster University, *Classifying and Evaluating the Performance of Transit-Oriented Development in the Toronto Region: A Latent Class Approach.*

**2:00** Torsha Bhattacharya\*, University of Hawaii, Manoa, *Analysis of proposed Transit Oriented Developments in Honolulu, Hawaii.*

**2:20** Gaurav Thapa\*, New Mexico State University, *Exploring the possibility of Mass Rapid Transit in the Urban Core of Kathmandu Valley, Nepal: Emphasis on Bus Rapid Transit.*

**2:40** Sylvia Arriaga Brady\*, University of Denver, *Assessing the state of transportation and mobility in Guatemala City.*

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## 3501. Topologies of Power: (Re-)Making Global Production Networks II (Sponsored by Economic Geography Specialty Group)

Room: Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Martin H. Hess, University of Manchester; Rory Horner, University of Manchester; Gale Raj-Reichert

CHAIR(S): Rory Horner, University of Manchester

3:20 Rory Horner\*, University of Manchester, *Powerless states in global production networks?*

3:40 Laura-Marie Töpfer\*, University of Oxford, Smith School for Enterprise and the Environment, *Conceptualising China's Capital Markets: The Role of Power Resources in Global Financial Networks*.

4:00 Alex Sphar\*, Doctoral Candidate, Clark University, *Examining Power and GPNs in National Industrial Policy: Insights from Brazil*.

4:20 Shamel Azmeh\*, London School of Economics and Political Science (LSE), *Power in Trade Policy and Global Production Networks: The Case of a Trade Agreement between the United States and Egypt and Jordan*.

4:40 Adrian Smith\*, Queen Mary University of London, *Power, Insecurity and Global Production Networks: Reconfiguring Euro-Mediterranean Economic Space*.

## 3502. Psychoanalytic Geographies II: Economic Narratives for Anxious Times

Room: Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Maureen Sioh, DePaul University

CHAIR(S): Maureen Sioh, DePaul University

3:20 Ilan Kapoor\*, Faculty of Environmental Studies, York University, *What "Drives" Development?*

3:40 Gavin Fridell\*, Saint Mary's University, *Controlling Consumption: Ethical Trade, Public Enterprise, and the Liquor Control Board of Ontario*.

4:00 Nathan Bullock\*, Duke University - AAHVS Dept., *Lacan on Urban Development and National Identity in a Global City: Integrated Resorts in Singapore*.

4:20 Maureen Sioh\*, DePaul University, *The Language of Love: Desire and Disavowal in A Postcolonial Economic Narrative*.

Discussant(s): Paul T. Kingsbury, Simon Fraser University

## 3505. Urban entrepreneurialism, policy mobility and interurban referencing in the Global South

Room: Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Sarah Moser, McGill University

CHAIR(S): Sarah Moser, McGill University

3:20 Yeong-Hyun Kim\*, Ohio University; Joseph Witek, University of Minnesota, *Mega Event Nearsightedness: Long-term Legacies of the World Cup Final in Johannesburg and Seoul*.

3:40 Hilary Chart\*, Stanford University, *Open for Business: Botswana's Entrepreneurial Imaginaries in Policy and Practice*.

4:00 Diganta Das\*, Nanyang Technological University, *Back to the future? Travel of Southeast Asian (city) models to India*.

4:20 Sarah Moser\*, McGill University, *Learning from Asia: Urban policy transfers from Songdo, South Korea to Yachay Knowledge City, Ecuador*.

4:40 Casey R Lynch\*, University of Arizona, *Disenfranchised and Dispossessed: Politics, Law, and Land in Honduras' "Model City" Project*.

## 3506. Feminist and Qualitative Mapping and Visualization (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Jill Williams, University of Hawai'i-Manoa

CHAIR(S): Diana Derry

3:20 Diana K Derry, Undergraduate\*, Department of Geography, University of Oregon., *Using Interactive Maps in Community-based Domestic Violence Programs..*

3:40 Dan Bonenberger, Associate Professor\*, Eastern Michigan University, *Immersive Geovisualization & Literary Realism: Exploring Rebecca Harding Davis, Life in the Iron Mills, and its historic setting..*

4:00 Bradley S Gardener\*, Temple University, *Feminist Epistemology and Qualitative GIS: Visualizing Octogenarian Women's Perspectives on Neighborhood Change and White Flight in the Bronx, NY.*

4:20 Corrine Coakley\*, Kent State Geography Dept., *Visualizing Activity Spaces at the Household Level Using GIScience: a Terminal Classic Maya Example.*

## 3508. Gender and Development (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Jill Williams, University of Hawai'i-Manoa

CHAIR(S): Yvonne Underhill-Sem, University of Auckland

3:20 Yvonne Underhill-Sem\*, University of Auckland, *Wanigela 'Wantoks' and Cuban 'Co-ops': accounting for non-human agency in feminist post development'.*

3:40 Magalie Quintal-Marineau\*, McGill University, *Development in the Arctic and the Role of Inuit Women.*

4:00 Sheila Navalía Onzere\*, University of South Carolina, *Integrating Intersectional Gender Approaches into Development Practice: Linking Theory and Action.*

4:20 Ekaterina Korzh\*, University of Northern Iowa, *NGOs and women empowerment and emancipation in Bogota slums.*

4:40 Merrill Baker-Médard\*, UC Berkeley, *Gendering the Commons: the politics of marine protected areas and fisheries access.*

## 3509. Emerging Asia: Contemporary Issues in Environment, Development, Economy and Population (Sponsored by Asian Geography Specialty Group)

Room: Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Priyanka Ghosh, Central Washington University

CHAIR(S): Priyanka Ghosh, Central Washington University

3:20 Holly R. Barcus\*, Macalester College, *Contested Space, Contested Livelihoods: An Overview of Two Decades of Pasture Management and Land Tenure Reform in Mongolia.*

3:40 Jeong Eun Lim\*, University of Wisconsin - Madison; Arlyne Johnson, Foundation of Success, *Living with carnivores in Nam Et-Phou Louey National Protected Area, northern Laos.*

4:00 Jean-Philippe Leblond\*, University of Ottawa, *The Role of National Security and Military Forces in Forest Management in Thailand.*

4:20 Priyanka Ghosh\*, Central Washington University, *Biodiversity Conservation and Rural Livelihoods in the Sundarban Biosphere Reserve, West Bengal, India.*

Discussant(s): Pradyumna P. Karan, University of Kentucky

## 3510. How can social sciences contribute to river restoration? 2

Room: Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Bertrand Morandi, CNRS - UMR5600 EVS; Marylise Cottet, University of Lyon - CNRS (UMR 5600 EVS)

CHAIR(S): Marylise Cottet, University of Lyon - CNRS (UMR 5600 EVS)

3:20 Bertrand Morandi\*, CNRS - UMR5600 EVS; Hervé Piégay, CNRS - UMR5600 EVS, *Restoration, Rehabilitation or Renaturation: Scientific or Cultural Concepts?*

3:40 Catherine Carré\*, université Paris 1 Pantheon Sorbonne; Ronan Quillien, water and wastewater service, General Council of Seine Saint Denis; Achim Ernest, Master of aquatic system and water management,

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Universités Paris Est - Paris 7, *Social outcome for small urban rivers restoration: users' satisfaction vs. urban qualities? Cross-viewpoints of researchers and technicians in Paris area.*

- 4:00** Aude Hamed\*, University of Munich and University of Tours, *Urban river restoration evaluation - a hybrid between ecological and social monitoring.*
- 4:20** Marie-Anne Germaine\*, Paris Ouest Nanterre La Défense / LAVUE UMR 7218 CNRS; Laurent Lespez, Université Paris Est Créteil / Laboratoire Géographie Physique (LGP) UMR CNRS 8591, *The Dam Removal in the Sélune River (Lower-Normandy, France) - The contribution of the actor network theory to reveal the complexity of social aspects of restoration projects.*

## **3511. Placing Environmental Education: Challenges and Prospects for Geography and Environmental Education**

*Room:* Skyway 285, Hyatt, East Tower, Gold Level (Paper Session)

- ORGANIZER(S): Andy Davey, University of Wisconsin - Madison; Andrei Israel, The Pennsylvania State University
- CHAIR(S): Andy Davey, University of Wisconsin - Madison
- 3:20** Andy Davey\*, University of Wisconsin - Madison, *Placing People and Nature in the Academy: Ego, Economics, and Epistemology in mid 20th Century Geography and Environmental Studies.*
- 3:40** Naomi Jeffery Petersen, EdD\*, Central Washington University, *Geography's role in Environmental Education Initiatives: what could be gained or lost.*
- 4:00** Laurie Parendes\*, Edinboro University, *Teaching about Environmental Issues from a Geographic Perspective: The Importance of Place.*
- 4:20** Joseph F. Reese\*, Edinboro University of Pennsylvania, *Earthscape: A place-based, Earth-systems concept and its application as an educational tool in northwestern Pennsylvania.*
- 4:40** Morgan Apicella, MA\*, University of Arizona, *Learning Places in the Community and School Garden Workshop.*

## **3513. WS #3-2 Becoming a Certified GISP and Why It Matters for Your Geospatial Career (Sponsored by AAG Jobs and Careers Theme, Association of American Geographers, GISCI)**

*Room:* Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)

- ORGANIZER(S): Mark Revell, Association of American Geographers - Washington, DC
- CHAIR(S): Bill Hodge, GISCI
- Discussant(s): Bill Hodge, GISCI

## **3514. Jobs in Geohumanities I (Sponsored by AAG Jobs and Careers Theme, GeoHumanities Theme, Cultural Geography Specialty Group)**

*Room:* Columbus CD, Hyatt, East Tower, Gold Level (Panel Session)

- ORGANIZER(S): Laurel Catherine Smith, University of Oklahoma
- CHAIR(S): Robert Wilson, Syracuse University
- Panelists: Alyson L. Greiner, Oklahoma State University; Maria D. Lane, University of New Mexico; Jeffrey Widener, The University of Oklahoma; Peter J. McCormick, Fort Lewis College; Katherine H. Weimer, Rice University; Martin Zebracki, University of Leeds

## **3515. K-12 Education ConnectED with Geography through ArcGIS Online (Sponsored by National Center for Research in Geography Education, Esri, Geography Education Specialty Group, Association of American Geographers, Geography and Online Education Theme)**

*Room:* Columbus EF, Hyatt, East Tower, Gold Level (Panel Session)

- ORGANIZER(S): Michael N. Solem, Association of American Geographers
- CHAIR(S): David DiBiase, Esri
- Panelists: Michael N. Solem, Association of American Geographers; David DiBiase, Esri; Thomas Fisher,

College of Design, University of Minnesota; Bennett Moe, Maps.com; Candice Luebbering, Association of American Geographers

## **3516. The Urban Political at a Time of Late Neoliberalism IV: Rematerializing the Urban Political (Sponsored by Cultural Geography Specialty Group)**

*Room:* Columbus G, Hyatt, East Tower, Gold Level (Paper Session)

- ORGANIZER(S): Theresa Erin Enright, University of Toronto; Ugo Rossi
- CHAIR(S): Ugo Rossi
- 3:20** Kurt Iveson\*, University of Sydney, *The Urban Political in Networked Cities.*
- 3:40** Robert W. Lake\*, Rutgers University, *Where Materiality Meets Subjectivity: Locating the Political in the Contested Fiction of Urban Land.*
- 4:00** Renee Tapp\*, Clark University, *Rethinking urban politics through architecture.*
- 4:20** Lazaros Karaliotas\*, University of Glasgow, *'Artifices of Equality': Towards an emancipatory urban politics of infrastructure.*
- Discussant(s): Colin Mcfarlane, Durham University

## **3517. Hydrocarbon Governance and New Geographies of Fracking (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)**

*Room:* Columbus H, Hyatt, East Tower, Gold Level (Paper Session)

- ORGANIZER(S): Matthew Fry, University of North Texas; Thomas Loder, Texas A&M University
- CHAIR(S): Matthew Fry, University of North Texas
- 3:20** Thomas W. Pearson, PhD\*, University of Wisconsin-Stout, *Mining Public Relations: Industry Tactics to Assert Belonging in Wisconsin's Sand Hills.*
- 3:40** Jennifer Baka, PhD\*, London School of Economics; Karen Bakker, Professor and Canada Research Chair, University of British Columbia; Kate J Neville, PhD, Nicholas School of the Environment, Duke University; Erika Weinthal, Lee Hill Snowden Professor of Environmental Policy, Nicholas School of the Environment, Duke University, *Low Carbon Governance Challenges: A Comparative Analysis of Biofuel and Hydraulic Fracturing Governance in the US.*
- 4:00** Arielle Hesse\*, Penn State, *Energy=Jobs?: Geographies of occupational health regulation in Pennsylvania's Marcellus Shale.*
- 4:20** Trey Daniel-Aaron Murphy\*, Texas A&M University, *How Dallas became Frack Free: Urban Hydrocarbon Governance and Policy Mobilities.*
- 4:40** Matthew Fry\*, University of North Texas; Christian Brannstrom, Texas A&M University, *Shale Cities and the Evolving Governance of Fracking.*

## **3518. Honoring Dr. Lawrence A. Brown: Continuity and Change: The American Dream and the Foreclosure Crises: Past, Present and the Future (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)**

*Room:* Columbus JJ, Hyatt, East Tower, Gold Level (Paper Session)

- ORGANIZER(S): Madhuri Sharma, University of Tennessee, Knoxville; Michael D. Webb, University of North Carolina at Chapel Hill
- CHAIR(S): Madhuri Sharma, University of Tennessee, Knoxville
- 3:20** Suzanne D Withers, PhD\*, Department of Geography, University of Washington, *Shifting Landscapes of Denial: A Longitudinal Study of Mortgage Credit Access Throughout the US Housing Crisis.*
- 3:40** Taylor Hafley, University of Georgia; Olga L. Medvedkov\*, Wittenberg University, *Neighborhood Stabilization Program: Analyzing attempts to mitigate foreclosure and vacant housing at the local level.*
- 4:00** Melissa Anne Currie, PhD candidate, RLA\*, University of

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North Carolina at Charlotte, *Starter-Home Community Resilience and the Great Recession. Creating Landscapes of Vulnerability?*.

- 4:20 Scott Markley\*, *Emerging post-crisis geographies of new-build gentrification in the Atlanta suburbs: Examining the determinants of New Urban-designed project locations.*

- 4:40 Michael D Webb\*, University of North Carolina at Chapel Hill; William M Rohe, University of North Carolina at Chapel Hill; Kirstin P Frescoln, University of North Carolina at Chapel Hill, *Displacement, Revitalization, or Both? Neighborhood Characteristics of Section 8 residents in Charlotte, NC, 2008-2014.*

## 3519. Symposium on Space-time Behavior and Planning in Urban China IV (Sponsored by China Specialty Group, Urban Geography Specialty Group)

Room: Columbus KL, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University; Yue Shen, East China Normal University

CHAIR(S): Yue Shen, East China Normal University

- 3:20 Wenjia Zhang\*, University of Texas at Austin; Yanwei Chai, Peking University, *What Suburbanism Looks Like in Beijing, China? A Data Mining Analysis of Everyday Life.*

- 3:40 Chiming Guan\*, Southeast University, China; dangyang li, Southeast University, Nanjing, China, *Has service industry space suburbanized in Chinese Medium-sized city? An analysis based on deep interviews and questionnaire on Changzhou City.*

- 4:00 shuangshuang TANG\*, Research Centre of Human Geography, School of Geographic and Oceanographic Sciences, Nanjing University; Jianxi Feng, Department of Urban Planning and Design, School of Architecture and Urban Planning, Nanjing University, *A Long Way to Become Householders: The Determinants of Rural Migrants' Tenure Choices in Urban China.*

- 4:20 Lizhen Shen\*, Nanjing university; xia wang, nanjing university; min zhang, nanjing university; xiao qin, nanjing university; fan ding, nanjing university, *The Research on the Characteristics of the Regional Space of Flows Base on Measurement of the Rapid Logistic of Flows: A Case Study on the Jiangsu Province.*

Discussant(s): Yanwei Chai, Peking University

## 3520. Housing Issues and Housing Policy in China (Sponsored by China Specialty Group)

Room: Grand A, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): David W. Edgington, University of British Columbia

CHAIR(S): David F. Ley, University of British Columbia

- 3:20 Kaihan Yang\*, King's College London, University of Derby, *The Making of Second Homes in China.*

- 3:40 Lan Deng\*, University of Michigan, *The Dynamics of New Housing Production in China.*

- 4:00 Chon Fai Yeung, Phd Student\*, University of Calgary, *A Land under the "Red Tide" - Impact of China on Hong Kong's Property Market.*

- 4:20 David F Ley\*, University of British Columbia, *Re-visiting the Property State: The Cultural Relations of Homeownership in Singapore, Hong Kong, China and Beyond Kong.*

## 3521. Sustainable Watershed Management: Issues in Hydrology, Water Quality, and Water Quantity 4 (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)

Room: Grand B, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Christopher Woltemade, Shippensburg University; Matthew Deitch, Center for Ecosystem Management and Restoration

CHAIR(S): Matthew Deitch, Center for Ecosystem Management and Restoration

- 3:20 Yuki Hamada\*, Argonne National Laboratory; Ben O'Connor, University of Illinois at Chicago; Andrew Orr, Argonne National Laboratory, *Understanding Distributions of Ephemeral Stream Channels in Desert Regions: A New Mapping Method Integrating Landscape Information into Image Processing Algorithm.*

- 3:40 Esther E. Bowen\*, Argonne National Laboratory; Yuki Hamada, Argonne National Laboratory; Ben L. O'Connor, Department of Civil and Materials Engineering, University of Illinois at Chicago, *A Geospatial Method for Mapping Areas of Mountain Front Recharge in Desert Regions to Facilitate Groundwater Protection.*

- 4:00 Tara Gracer\*, Southern Illinois University; Jonathan W.F. Remo, Department of Geography and Environmental Resources, Southern Illinois University, Carbondale, *A Hierarchical Geospatial Analysis of the Cache River Watershed in Southern Illinois to Inform Watershed Management.*

- 4:20 Kathleen Guillozet, PhD\*, Marylhurst University, *Oregon's Water Quality Trading Markets: evaluating efficiency and cost effectiveness.*

- 4:40 Heejun Chang\*, Portland State University; Matt Bonnette, Portland State University; Philip Stoker, University of Utah; Elizabeth Wentz, Arizona State University, *Determinants of urban water consumption in three western US cities.*

## 3522. Education, Faith and Place 2 (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Grand C/D North, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Peter Hemming, Cardiff University

CHAIR(S): Elizabeth A. Olson, UNC-Chapel Hill

- 3:20 Justin Tse\*, University of Washington, *Sexualized Unions: Cantonese evangelicals, educational politics, and labour unions in Vancouver, BC.*

- 3:40 David J. Butler\*, Department of Geography, University College Cork (UCC), *Losing the Faith?: Protestant Boarding Schools in 21st Century Ireland.*

- 4:00 Janel M. Curry, Ph.D.\*, Gordon College, *U.S. Christian Higher Education: The Limits of Individual Rights in an increasingly Pluralistic and Global Society.*

- 4:20 Yvette Taylor\*, Weeks Centre for Social and Policy Research, London South Bank University; Yvette Taylor, Weeks Centre for Social and Policy Research, LSBU, *Negotiating queer and religious identities in Higher Education: Progressing the 'University experience'?*

- 4:40 Tiffany K. Muller Myrdahl\*, Simon Fraser University, *Talking Faith & Sexuality in K-12 School Spaces.*

## 3525. Chicago's and Pittsburgh's Urban Geographies (Sponsored by Chicago and the Great Lakes Region Theme)

Room: Grand Suite 2 AB, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Richard P. Greene, Northern Illinois University

CHAIR(S): Richard P. Greene, Northern Illinois University

- 3:20 Richard P. Greene\*, Northern Illinois University; Richard L. Forstall\*, Independent Scholar, *Chicago's Downtown and Edge Cities: The Region's Job Center Dynamics from 1990 to 2010.*

- 3:40 Peter M. Piet\*, City of Elmhurst, *Redevelopment of an Inner Suburb - Residential Reconstruction in Elmhurst, Illinois, 1995-2014.*

- 4:00 Gary F. Plazyk\*, Northern Illinois University, *Neighborhoods in Transition - Mapping Chicago's Gay Bars: 1965 to 2014.*

- 4:20 Edward V. Miller\*, University of Wisconsin Oshkosh, *Beyond the Deindustrialization of the Central City: Industrialization on Chicago's Periphery.*



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## 3526. **Gentrification and the urbanization process: prevailing socio-economic relations and a new framework for action in planning. (Sponsored by Chicago and the Great Lakes Region Theme)**

*Room:* Grand Suite 3, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Ivis Garcia Zambrana, uic

CHAIR(S): Ivis Garcia Zambrana, uic

**3:20** John J. Betancur, PhD\*, Dept of Urban Planning and Policy, University of Illinois at Chicago, *Does Gentrification have a Color: Application of Racial Economy to the Study of Gentrification.*

**3:36** Ivis Garcia Zambrana\*, University of Illinois at Chicago, *Contesting Private Property Through Cultural Identity: The Case of Puerto Rican Chicago.*

**3:52** Teresa Cordova\*, University of Illinois At Chicago, *Restoring Neighborhoods to the Center: Alternative Mechanisms and Institutions.*

**4:08** Natalia Villamizar-Duarte\*, University of Illinois At Chicago; Ana Marcela Ardila Pinto, Universidad Federal de Minas Gerais, *Negotiated Informality: Urban Planning Policies in Bogota and Rio de Janeiro from 1990 to 2014.*

**4:24** Dwayne Baker\*, University of Illinois Urbana Champaign, Department of Urban and Regional Planning, *Access to Space: Light Rail and Neighborhood Change in St. Louis.*

Discussant(s): Janet Smith

## 3527. **Residential Mobility and Internal Migration 2: New research across the World (Sponsored by Population Specialty Group)**

*Room:* Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Pablo Mateos, CIESAS

CHAIR(S): Adam Dennett, University College London

**3:20** Caroline Kramer\*, Karlsruhe Institute of Technology, Institute of Geography and Geoecology; Carmella Pfaffenbach, RWTH Aachen University, *Kulturgeography, Should I stay or should I go? Housing preferences upon retirement in Germany.*

**3:40** Andrew F. Kaufman\*, Research Associate, Institute of Urban Studies, University of Winnipeg; Graduate Student, University of Manitoba, *Mobilities of Madness: Interurban spatial movement among a cohort of homeless individuals with co-occurring mental health issues.*

**4:00** Felicitas Barbara Hillmann\*, Free University Berlin; Usha Ziegelmayer, Free University Berlin, *The regional rootedness of migrant trajectories: environmental change and migration in a coastal region in Ghana.*

**4:20** Jiawen Ma, Graduate\*, Peking University, *The Impact of Inter-provincial Migration on Urbanization.*

**4:40** Adam Dennett\*, University College London; Ed Manley, University College London, *The geodemographic dimensions of migration and mobility in Senegal.*

## 3528. **Connecting up the multiple geographies of higher education (1)**

*Room:* Plaza A, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): John Harrison, Loughborough University;

Darren Smith, Loughborough University; Chloe

Kinton, Loughborough University

CHAIR(S): Darren Smith, Loughborough University

**3:20** John Harrison\*, Loughborough University; Darren P Smith, Loughborough University; Chloe Kinton, Loughborough University, *The 'missing middle': new regional geographies of higher education.*

**3:40** Jean-Paul Addie\*, University College London, *The New Urban University: Higher education and global urbanization.*

**4:00** Chloe Kinton\*, Loughborough University, *The Changing Patterns of Student Populations: Destudentification, Urban Abandonment and Decline.*

**4:20** Hao Gu, Loughborough University; Hao Gu\*,

Loughborough University, *Processes of Studentification in China: the case study of Beijing.*  
Discussant(s): Sol Gamsu, King's College London

## 3529. **The IGU International Year of Global Understanding (IYGU) Initiative**

*Room:* Plaza B, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Ronald F. Abler, International Geographical Union

CHAIR(S): **Ronald F. Abler**, International Geographical Union  
Introducer: Ronald F. Abler

**3:40** Benno Werlen\*, University of Jena, *2016 International Year of Global Understanding (IYGU).*

Discussant(s): Peter J. Taylor, Northumbria University; Farhana Sultana, Syracuse University; Ronald F. Abler, International Geographical Union

The 2016 IGU International Year of Global Understanding (IYGU) has taken the lead in the application process for the UN International Year of Global Understanding

The IYGU is an outreach project with an educational and science orientation whose bottom-up logic complements the existing international policies and research programs' organizational structures. The mobilization of geographers, the social and natural sciences, as well as the humanities, will lead to an engagement in new ways of sustainability research, education, and capacity building. The definitive decision by the UN General Assembly is expected by end May 2015.

## 3530. **International Perspectives on Crime**

*Room:* Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Michael Leitner, Louisiana State University

**3:20** Silas Nogueira De Melo\*, Universidade Estadual De Campinas, *Routine Activity Theory and crime seasonality in Campinas (Brazil) context.*

**3:40** Dirk Kinsey\*, Portland State University, *Out in "The Numbers": Gang Activity and Uneven Development in Portland's Periphery.*

**4:00** Haojie Zhu\*, Louisiana State University; Fahui Wang, Louisiana State University; Shaun Williams, Louisiana State University, *Simulate Urban Crime with Agent-Based Modeling - A Case Study in Baton Rouge, Louisiana.*

**4:20** Ricarda Rindlisbacher\*, University of Graz, *Juvenile Crime and Urban Planning - How to Measure Crime Factors and Promote Prevention by Using Geospatial Technologies?.*

**4:40** Michael Leitner\*, Louisiana State University, *Forecasting Crime.*

## 3531. **Naturalization and its Discontents: Ecology, History and Landscape Futures**

*Room:* Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): David Havlick, University of Colorado - Colorado Springs, CO; Caitlin DeSilvey, University of Exeter

CHAIR(S): Caitlin DeSilvey, University of Exeter

**3:20** David Havlick\*, University of Colorado-Colorado Springs, *Not Nature Alone: The Changing Landscapes of Europe's Iron Curtain Borderlands.*

**3:40** Caitlin DeSilvey\*, University of Exeter, *'Industrienatur': Critical Ecologies at Duisburg Nord.*

**4:00** Katherine McCaffrey\*, Montclair State University, *Environmental remediation and its discontents: the contested military cleanup of Vieques, Puerto Rico.*

**4:20** Jennifer Foster\*, York University; Jennifer Foster, York University, *Build it and they will come: Urban wasteland habitat.*

Discussant(s): David Havlick, University of Colorado - Colorado Springs, CO

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- 3532. Global Urban Agriculture: Convergence of Theory and Practice between North and South. I (Sponsored by Geographies of Food and Agriculture Specialty Group)**  
**Room:** *Comiskey, Hyatt, West Tower, Bronze Level* (Paper Session)  
 ORGANIZER(S): Antoinette MGA. WinklerPrins, Johns Hopkins University  
 CHAIR(S): Antoinette MGA. WinklerPrins, Johns Hopkins University  
 Introducer: Antoinette MGA. WinklerPrins  
**3:30** Timothy LeDoux, PhD\*, Westfield State University; Brian Conz, PhD, Westfield State University, *Hunger for Justice: Building Sustainable and Equitable Communities in the Pioneer Valley.*  
**3:50** Colleen Hammelman\*, Temple University, *Relying on urban gardens for survival and building Medellin, Colombia, as a modern, world-class city.*  
**4:10** Tammy E Parece, PhD Candidate\*, Virginia Tech; James B Campbell, Professor, Virginia Tech, *A Survey of U.S. Urban Gardeners and their Food Production.*  
**4:30** Sophia E. Albov, University of Montana; Sarah J. Halvorson, Dr.\*, University of Montana, *Farm Fresh in the City: Finnish Innovations in Urban Agricultural Practices.*

- 3533. Historical Animal Geographies I: Uncovering Nonhuman Lives of the Past (Sponsored by GeoHumanities Theme, Animal Geography Specialty Group, Historical Geography Specialty Group)**  
**Room:** *Gold Coast, Hyatt, West Tower, Bronze Level* (Paper Session)  
 ORGANIZER(S): Sharon E. Wilcox, University of Texas Austin; Stephanie Rutherford, Trent University  
 CHAIR(S): Sharon E. Wilcox, University of Texas Austin  
**3:20** Sharon E. Wilcox, Ph.D.\*, University of Texas, *Tigers of Conquest: Reconstructing Jaguar Histories in the New World.*  
**3:40** Stephanie Rutherford, PhD\*, Trent University, *of bounties and beastly tales: A biopolitical history of wolves in Canada.*  
**4:00** Ben Garlick\*, University of Edinburgh, *Ambivalent Naturalism: Violent epistemology and the geographies of the osprey's extinction in 19th century Scotland.*  
**4:20** Jonathan Luedee\*, University of British Columbia, *"Nobody knows the Way of the Caribou": Visualizing, Mapping, and Managing Migratory Caribou.*

- 3535. Physical Historical Geographies: Watersheds, Battle Beaches, Noxious Pests (Sponsored by Historical Geography Specialty Group)**  
**Room:** *Picasso, Hyatt, West Tower, Bronze Level* (Paper Session)  
 ORGANIZER(S): Anne Kelly Knowles, Middlebury College  
 CHAIR(S): Kent Mathewson, Louisiana State University  
**3:20** Christy Jean\*, Kansas State University, *Hydrological Transitions: A Story of Kansas Watersheds.*  
**3:40** Frederick W. Sunderman, Ph.D.\*, Saginaw Valley State University Department of Geography, *"Trout Don't Live in Ugly Places": The Formative role of 19th and early 20th Century Michigan Coldwater Fisheries Activism in Watershed Conservation.*  
**4:00** James O'Brien, PhD\*, Risk Frontiers & Penn State; Rob Van den Honert, PhD, Risk Frontiers, *A site risk analysis of Z-Beach and surrounds using a multi-criteria surfaces derived historical and contemporary spatial data.*  
**4:20** Jennifer K. Sedell\*, University of California, Davis, *Spaces of Intentional Absence: Historical Political Ecology of US-Led Insect Eradication, 1900-2015.*  
**4:40** Kent Mathewson\*, Louisiana State University, *From Invasive Weed to WMD: Episodes in the Evasive/ Invasive History of the Castor Bean.*

- 3536. Environmental Justice and the State I: Agencies' EJ Efforts (Sponsored by Political Geography Specialty Group, Cultural**

- and Political Ecology Specialty Group)**  
**Room:** *Water Tower, Hyatt, West Tower, Bronze Level* (Paper Session)  
 ORGANIZER(S): Jill Lindsey Harrison, University of Colorado At Boulder; Jonathan K. London, UC Davis  
 CHAIR(S): Jonathan K. London, UC Davis  
**3:20** Lindsey Dillon\*, UC Davis, *Body Burdens, Biomonitoring, and the Politics of Difference: Examining the California State Biomonitoring Program Through a Framework of Environmental Justice.*  
**3:40** Jill Lindsey Harrison\*, University of Colorado-Boulder, *Bureaucrats at Work in the Neoliberal Era: Unpacking the Neoliberalization of Agency Environmental Justice Programs.*  
**4:00** Ellen Kohl\*, University of Georgia, *"People think we're EPA, we can do whatever we have the will to do." Negotiating expectations and realities in the implementation of environmental justice policies.*  
**4:20** Raoul S Lievanos, PhD\*, Washington State University, *Within the Master's House: Cumulative Impact, Precaution, and Contradictory State Spaces in Environmental Justice Policy.*  
 Discussant(s): Gordon Walker, Lancaster University

- 3537. Remote Sensing, GIS, and Modeling**  
**Room:** *Wrigley, Hyatt, West Tower, Bronze Level* (Illustrated Paper Session)  
 ORGANIZER(S): Program Committee  
 CHAIR(S): Kathleen M. Baker, Western Michigan University  
**3:20** Jeri Jacqueline Burke\*, University of North Carolina - Wilmington; Narcisa Pricope, Dr., University of North Carolina - Wilmington, *Assessing controls and patterns of surface inundation and identifying areas of flood-risk in a flood-pulsed savannah watershed in Botswana and Namibia using a regression based model and Thermal Imagery.*  
**3:25** Yanan Li\*, University of Tennessee, Knoxville; Jack McNelis, University of Tennessee, Knoxville; Yingkui Li, University of Tennessee, Knoxville; Xiaoyu Lu, University of Tennessee, Knoxville, *Glacier Boundary Extraction using High Resolution Google Earth Satellite Imagery: A Case Study from the Bogeda Range, Eastern Tian Shan, China.*  
**3:30** DJ Biddle\*, University of Louisville, *Mapping Debris-Covered Glaciers in the Cordillera Blanca, Peru: An Object-based Image Analysis Approach.*  
**3:35** Eleanore Campbell\*, Colorado College; Bingqing Liang, Ph.D, University of Northern Iowa, *Investigating Performance of Artificial Neural Network Classification on Hyperspectral Imagery.*  
**3:40** Clarissa Everly\*, University of Central Oklahoma; Bingqing Liang, University of Northern Iowa, *Mapping Urban Materials in Cedar Falls, Iowa Using Very High Resolution Thermal and Hyperspectral Imagery.*  
**3:45** Patricia Martinez, Geographical Engineer\*, Universidad San Francisco de Quito; Carlos F Mena, PhD. in Geography, Universidad San Francisco de Quito; Carolina Sampedro, Geographical Engineer, Universidad San Francisco de Quito; Homero Paltán, Geographical Engineer, Universidad San Francisco de Quito, *Remote sensing for oil spill footprint detection in the Ecuadorian Amazon.*  
**3:50** Michelle Andrews\*, Clark University; John Rogan, PhD, Clark University; Deborah G Martin, PhD, Clark University; Sean Cunningham, Clark University; Gaia Khairina, Clark University; Arthur Elmes, Clark University, *Validation of land surface and near surface air temperature variability across the urban-forest gradient in Worcester, Massachusetts using in-situ and Landsat- 8 Thermal Infrared Sensor (TIRS) satellite data.*  
**3:55** Yi Zou\*, University of Illinois at Urbana Champaign; Stephanie Mundis, University of Illinois at Urbana

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Champaign; Nathan Amboy, USDA Forest Service; Carlos Ramirez, USDA Forest Service; Jonathan Greenberg, University of Illinois at Urbana Champaign, *Lifeform Mapping of Hyperspatial Satellite Imagery using Contextual Classification Methods*.

**4:00** Raja Alfraihat\*, *Urban Heat Island Analysis Using the Landsat TM A Case study of the City of Chicago, USA*.

**4:05** Linli Zhu\*, university of georgia, *Exploring the Role of Public Requests for Cancer Cluster Investigations as an Indicator of Health Disparity in the U.S.*

**4:10** Pi-Yu Wu\*, Institute of Health Policy and Management, College of Public Health, National Taiwan University, Taipei, Taiwan; Duan-Rung Chen, Institute of Health Policy and Management, College of Public Health, National Taiwan University, Taipei, Taiwan; Yu-Ting Hu, Institute of Health Policy and Management, College of Public Health, National Taiwan University, Taipei, Taiwan, *Spatial analysis of insomnia in Taiwan..*

**4:15** Kathleen M. Baker\*, Western Michigan University; Rajib Paul, Western Michigan University; Amy Curtis, Western Michigan University, *Joint Modeling of Spatial-Longitudinal Binary and Count Data on Michigan Medicaid Diabetes Care Service Utilization*.

**3538. Weather, Climate, and Health IV: Interventions and Solutions (Sponsored by International Geospatial Health Research Network, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* *Acapulco, Hyatt, West Tower, Gold Level (Paper Session)*  
ORGANIZER(S): David M. Hondula, Arizona State University; Michael Allen, Old Dominion University; Jennifer K. Vanos, Texas Tech University

CHAIR(S): Jennifer K. Vanos, Texas Tech University

**3:20** Joshua Uebelherr\*, Arizona State University; David M Hondula, Dr., Arizona State University; Erik W Johnston, Dr., Arizona State University, *Participatory Modeling in an Ad-hoc Volunteer Non-Profit and Public Organization Heat Relief Network in greater Phoenix..*

**3:40** Christopher Greene\*, Ryerson University; Peter J. Kedron, PhD, Ryerson University, *An analysis of the influence of multi-scalar characteristics of city trees on microclimatic variation within Toronto's urban forest: a hierarchical approach*.

**4:00** Mehdi Heris\*, University of Colorado, *The Policy Implications of Urban Heat: a critical evaluation of zoning and design guidelines*.

**4:20** Juan Declet-Barreto, Climate and Health Research Fellow\*, Natural Resources Defense Council; Kim Knowlton, Senior Scientist, Natural Resources Defense Council; G. Darrel Jenerette, Associate Professor, University of California - Riverside; Alexander Buyantuev, Assistant Professor, University at Albany, SUNY, *Effects of Urban Vegetation on mitigating Exposure of vulnerable Populations to excessive Heat in Cleveland, Ohio*.

**3539. Food Environment (Sponsored by International Geospatial Health Research Network)**

*Room:* *Atlanta, Hyatt, West Tower, Gold Level (Paper Session)*  
ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Xiang Chen, Arkansas Tech University

**3:20** Akihiko Michimi\*, Western Kentucky University; Ellessia Bignall, Western Kentucky University, *Food Environments and Healthy Food Consumption in U.S. Metropolitan Areas*.

**3:40** Luc de Montigny, MUP PhD\*, de Montigny Consulting; Laurette Dubé, MPS MBA PhD, McGill University; David L Buckeridge, MSc MD PhD, McGill

University, *Mapping a dozen years of healthy eating - quantifying and locating changes in the food environment*.

**4:00** Iryna Sharaievska, PhD\*, Appalachian State University; Stephanie West, PhD, Appalachian State University; Melissa Weddell, PhD, Appalachian State University, *Perception of Healthy Eating and Local Farmers' Market by Low Income Families in Rural Appalachia*.

**4:20** Emily K. Blackard\*, Arkansas Tech University; Xiang Chen, Arkansas Tech University, *The Impact of Public Transit on Improving Food Security: Geographic Analysis and Policy Formulation*.

Discussant(s): Michael J. Widener, University of Cincinnati

**3540. Case Studies of Environment, Health and Policy in Africa I (Sponsored by International Geospatial Health Research Network, Africa Specialty Group)**

*Room:* *Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)*

ORGANIZER(S): Andrea Rishworth, Ottawa University

CHAIR(S): Jenna Dixon, University of Waterloo

**3:20** Jennifer Alexander\*, University of Texas At Austin, *Spatial and Statistical Analyses of HIV Risk Factors in Southern Africa*.

**3:40** Samuel Adu-Prah, Ph.D.\*, Sam Houston State University, *Spatial Vulnerability Analysis of Malaria Prevalence in Ghana*.

**4:00** Andrea Rishworth\*, Ottawa University; Paul Mkandawire, Carleton University, *Pregnancy Intent and Malaria Prevention Behaviour in Malawi: Does it Matter?*.

**4:20** Leo Charles Zulu\*, Michigan State University; Ellis Adjei Adams, Michigan State University, *Emergence of Community-Based Livestock Management Institutions To Control Herbivory and Promote Adoption and Scaling of Pigeon Peas Semi-Perennial Legumes In Southern Africa: Insights From Malawi*.

**4:40** Michael J White\*, Brown University, *Urbanization and Spatial Inequality in Africa*.

**3541. Spatial Epidemiology IV: Geospatial analysis and prevention (Sponsored by Geographic Information Science and Systems Specialty Group, International Geospatial Health Research Network, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* *New Orleans, Hyatt, West Tower, Gold Level (Paper Session)*

ORGANIZER(S): Eric M. Delmelle, UNC-Charlotte; Tijs Neutens, Ghent University

CHAIR(S): Alan M. Delmerico, Center for Health and Social Research

**3:20** William F. Wiecek, PhD\*, Institute for Community Health Promotion, SUNY Buffalo State; Alan M Delmerico, PhD, Institute for Community Health Promotion, SUNY Buffalo State; Karl E Wende, PhD, Institute for Community Health Promotion, SUNY Buffalo State; Jonathan F Lindner, MS, Institute for Community Health Promotion, SUNY Buffalo State, *Continuum of Health Care Services: A Social Ecological Perspective*.

**3:40** Alan M. Delmerico, PhD\*, Institute for Community Health Promotion, SUNY Buffalo State; William F Wiecek, PhD, Institute for Community Health Promotion, SUNY Buffalo State; J. Travis Norton, MUP, Institute for Community Health Promotion, SUNY Buffalo State, *The Application of the Continuum of Care to Spatially-Informed Health Promotion*.

**4:00** Tony H. Grubestic\*, Drexel University; Kelly M Durbin, CBC, CBE, La Leche League International, *Breastfeeding Initiation: A Geospatial Analysis of Kentucky*.

**4:20** Bart Dewulf\*, Ghent University, VITO; Tijs Neutens, Ghent University; Delfien Van Dyck, Ghent University; Ilse de Bourdeaudhuij, Ghent University; Luc Int Panis, VITO; Yves De Weerd, VITO; Nico Van de Weghe,

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Ghent University, *Dynamic modeling of inhaled air pollution using GPS and accelerometer data.*

- 4:40** John L. Pearce\*, Medical University of South Carolina, *Developing spatial multipollutant metrics for epidemiologic research.*

**3542. Sport, nationalism, and geopolitical identities (Sponsored by Recreation, Tourism, and Sport Specialty Group, Political Geography Specialty Group, Cultural Geography Specialty Group)**

**Room:** Regency A, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Natalie R. Koch, Syracuse University; Pauliina Raento, University of Helsinki

CHAIR(S): Natalie R. Koch, Syracuse University

- 3:20** Jon Bohland\*, Hollins University, *From Two Worlds: Identity and Diaspora Within Women's International Football.*

- 3:40** Natalie R. Koch\*, Syracuse University, *Luxury sports and Gulf nationalism: Falconry in the United Arab Emirates.*

- 4:00** Pauliina Raento\*, University of Helsinki, *Geopolitics, Identity, and Horse Sports in Finland.*

- 4:20** Heike C Alberts\*, University of Wisconsin-Oshkosh, *Sports Examples in the Political Geography Classroom.*

Discussant(s): Jason Dittmer, University College London

**3543. Challenges and Solutions in International Geography Research (Sponsored by Rural Geography Specialty Group)**

**Room:** Regency B, Hyatt, West Tower, Gold Level (Panel Session)

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

CHAIR(S): Dawn M. Drake, Missouri Western State University  
Introducer: Dawn M. Drake

Panelists: Kacy McKinney, Centre for Sustainability: Agriculture, Food, Energy, Environment; Aaron Kingsbury, Mayville State University; Camelia M. Kantor, Claflin University; Gil Latz, Indiana University-Purdue University Indianapolis; Martina Angela Caretta, Stockholm University; Johanna Carolina Jokinen, Uppsala University; Janet Puhalla, SUNY - Plattsburgh

**3544. New Directions in Mapping 2: Open Source, Crowd-sourcing and "Big Data"**

**Room:** Regency C, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Alan McConchie, University of British Columbia; Matthew Zook, University of Kentucky; Sean Gorman, Timbr.io Inc.

CHAIR(S): Matthew Zook, University of Kentucky

Panelists: Sean Gorman, Timbr.io Inc.; Javier De La Torre, CartoDB; Wayne Chambliss, Esri; Randy Meech, Mapzen; Alex Barth, Mapbox

**3545. #CritGIS: On the Political Economy of Geospatial Technologies**

**Room:** Regency D, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): James Thatcher, University of Washington - Tacoma; Craig M. Dalton, Bloomsburg University of Pennsylvania; Ryan Burns, University of Washington

CHAIR(S): Eric S. Sheppard, UCLA

Panelists: Craig M. Dalton, Bloomsburg University of Pennsylvania; Laura Beltz Imaoka, University of California, Irvine; Francis Harvey, University of Minnesota - Minneapolis; James Thatcher, University of Washington - Tacoma

**3546. The Administrative Divisions and Urbanization Policy in China (Sponsored by Political Geography Specialty Group, China Specialty Group, Urban Geography Specialty Group)**

**Room:** San Francisco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Carolyn Cartier, University of Technology, Sydney; Kam Wing Chan, University of Washington

CHAIR(S): Wing-shing Tang, Hong Kong Baptist University

Introducer: Wing-shing Tang

- 3:21** Kam Wing Chan\*, University of Washington, *Evaluating China's City-size Based Urbanization Policy.*

- 3:41** Carolyn Cartier\*, University of Technology, Sydney, *Territorial Urbanization and the Party-state in China.*

- 4:01** De Hu\*, East China Normal University, *Reterritorialization and the urban expansion in contemporary China.*

- 4:21** Miguel Angel Hidalgo Martinez\*, University of Technology, Sydney, *State-led urbanization in China: Chongqing, state-owned enterprises and infrastructure development.*

Discussant(s): Shih-Shen Chien, National Taiwan University; Grigory Ioffe, Radford University

**3547. Sustainable Supply Chains (III): Global markets and embodied quantities**

**Room:** Toronto, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Kimberly M. Carlson, University of Minnesota; Holly Gibbs, University of Wisconsin-Madison; Rachael Garrett, Harvard University

CHAIR(S): Holly Gibbs, University of Wisconsin-Madison

- 3:20** Graham K. MacDonald\*, University of Minnesota; Kimberly M. Carlson, University of Minnesota; Shipeng Sun, University of Illinois at Springfield; Paul C. West, University of Minnesota; James S. Gerber, University of Minnesota, *Embodied values: Linking monetary flows to land and water use in global agricultural supply chains.*

- 3:40** Thomas Bryan\*, University of Wisconsin Madison; Cathy Middlecamp, University of Wisconsin Madison; Carl Korf, Wisconsin Union Dining, *Carbon metrics for food supply chains.*

- 4:00** Kimberly M. Carlson, PhD\*, University of Minnesota; Joanne C Gaskell, The World Bank; Elena M Bennett, McGill University; Holly K Gibbs, University of Wisconsin-Madison; Nathalie Walker, National Wildlife Federation; Ruth DeFries, Columbia University; Rachael D Garrett, Harvard University; Xingli Giam, Princeton University; Alastair Iles, University of California, Berkeley; Matthew S Luskin, University of California, Berkeley; Lisa Mandle, Stanford University; Claire Kremen, University of California, Berkeley, *Agricultural Supply Chains and Embodied Ecosystem Services.*

- 4:20** Martin Persson\*, Chalmers University of Technology; Sabine Henders, Linköping University; Thomas Kastner, Alpen-Adria-Universität Klagenfurt, *Trading Forests: Quantifying the Contribution of Global Commodity Markets to Tropical Deforestation and Associated Carbon Emissions.*

- 4:40** Javier Godar\*, Stockholm Environment Institute (SEI), *Next-generation footprint accountings to improve supply chain sustainability.*

**3548. CyberGIS Symposium: Transactions In GIS Plenary (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**

**Room:** Crystal A, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): John P. Wilson, University of Southern California

CHAIR(S): John P. Wilson, University of Southern California

- 3:20** Timothy L. Nyerges, PhD\*, University of Washington, *Computing Complex Sustainable Systems Resilience.*

**3549. The Roepke Lecture in Economic Geography: "The right to work, and the right at work" - Jamie Peck, University of British Columbia (Sponsored by Economic Geography and Clark University, Economic Geography Specialty Group)**

**Room:** Crystal B, Hyatt, West Tower, Green Level (Panel Session)

ORGANIZER(S): James T. Murphy, Clark University  
CHAIR(S): James T. Murphy, Clark University

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Discussant(s): Jamie Peck, University of British Columbia; Susan M. Christopherson, Cornell University

**3550. Towards an Atlas of Peace-II (Sponsored by International Research and Scholarly Exchange Committee, Ethics, Justice, and Human Rights Specialty Group)**

*Room:* Crystal C, Hyatt, West Tower, Green Level (Panel Session)

ORGANIZER(S): Vandana Wadhwa, Boston University; Jeremy Tasch, Towson University; Fausto O. Sarmiento, University of Georgia

CHAIR(S): Stanley D. Brunn, University of Kentucky

Introducer: Trevor Birkenholtz

Discussant(s): Stanley D. Brunn, University of Kentucky

Panelists: John Clark Archer, University of Nebraska; Audrey L. Kobayashi, Queen's University; Fausto O. Sarmiento, University of Georgia; Andy Walter, University of West Georgia; Adriana Rincon, University of Georgia

**3551. Global perspectives on (re-)theorizing the urban through modes of production #2 - Challenging the notion of planetary urbanization (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* Stetson A, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Johanna Hoerning, TU Berlin; Marit Rosol, TU Dresden / University of Frankfurt

CHAIR(S): Marit Rosol, TU Dresden / University of Frankfurt

Introducer: Johanna Hoerning

Introducer: Marit Rosol

**3:40** Volker Eick\*, Republikanischer Anwältinnen- und Anwälteverein, *Planetary Policing? On rural and urban pacification.*

**4:00** Joao Bosco Moura Tonucci Filho\*, Universidade Federal De Minas Gerais, *Urban commons and extended urbanization in the global South metropolis: some evidences of alternative modes of production from Belo Horizonte, Brazil.*

**4:20** Johanna Hoerning\*, TU Berlin, *The Production of the Urban.*

Discussant(s): Christian Schmid, ETH Zurich

**3552. From Online Sweat Shops to Silicon Savannahs (session 1): Geographies of Production in Digital Economies of Low-Income Countries (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)**

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Mark Graham, University of Oxford; Nicolas Friederici, Oxford Internet Institute; Isis Hjorth, University of Oxford

CHAIR(S): Mark Graham, University of Oxford

**3:20** Isis Hjorth, Dr\*, University of Oxford; Mark Graham\*, University of Oxford; Vili Lehdonvirta, Dr, University of Oxford, *Digital Labour and Development: New Knowledge Economies or Digital Sweatshops?.*

**3:40** Niels Beerepoot\*, University of Amsterdam, *Online job marketplaces and impact sourcing: (in)compatible for reaching the bottom of the pyramid?.*

**4:00** Deepti Kulkarni\*, Microsoft Research, Bangalore; Mary L Gray, Microsoft Research, New England; Siddharth Suri, Microsoft Research, New York City, *Working for Legitimacy: Unpacking the Gender Dynamics of Digital Production in the Lives of South Indian Women.*

**4:20** Jana Kleibert\*, University of Amsterdam, *Silicon Enclaves: the Rise of New Special Economic Zones in the global South.*

Discussant(s): Mark Graham, University of Oxford

**3553. Resilience and Risk Communication II (Sponsored by Hazards, Risks, and Disasters Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Communication Geography Specialty Group)**

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Bandana Kar, University of Southern Mississippi

CHAIR(S): Bandana Kar, University of Southern Mississippi

**3:20** Audrey Maass\*, Louisiana State University, *Lafourche, Plaquemine, and Terrebonne Parish County Business Patterns: What they can tell us about the economies response to hazards?.*

**3:40** Silje Aurora Andresen\*, Department of Geography, Norwegian University of Science and Technology, *Constructing Resilience: the Role of Local Knowledge in the Lærdal Fire.*

**4:00** Marta Berbes-Blazquez\*, University of Waterloo; Carrie Mitchell, PhD, University of Waterloo; Sarah Burch, PhD, University of Waterloo; Ewa Jackson, ICLEI, *A framework for integrating and assessing the resilience of climate change adaptation options in resource-dependent communities.*

**4:20** Amanda Ilk\*, University of Oklahoma, *Communication of Tornado Warnings to African-Americans and Hispanics.*

**4:40** Kristie Ebi\*, University of Washington, *Adapting Early Warning Systems to Global Climate Change.*

**3554. Gail Hobbs Student Paper Competition 2 (Sponsored by Geography Education Specialty Group)**

*Room:* Stetson E, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Herschel Stern, Miracosta College

CHAIR(S): Herschel Stern, Miracosta College

**3:20** Veronica Hotton\*, Simon Fraser University, *Geographers Engaging in the Scholarship of Teaching and Learning.*

**3:40** Joann Zadrozny\*, Texas State University, *STEM Corps: A Workforce Enhancement Experience for At-Risk Students.*

**4:00** Chelsie McWhorter\*, Southern Illinois University Edwardsville, *"That All Seems More Like Common Sense": An Examination of Firefighter Cognitive Maps.*

**4:20** Stacey Kerr\*, The University of Georgia, *Building Geographic & Spatial Literacy Through Walking: A Cartographic Analysis.*

Discussant(s): Herschel Stern, Miracosta College

**3555. Finance and Forests: Political Ecologies of Carbon Commodification I (Sponsored by Cultural and Political Ecology Specialty Group)**

*Room:* Stetson F, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Nicolena VonHedemann, University of Arizona; Tracey Osborne, University of Arizona

CHAIR(S): Tracey Osborne, University of Arizona

**3:20** Hanne Svarstad\*, Oslo and Akershus University College; Tor A. Benjaminsen, Noragric, NMBU, *Commodifying Carbon: Insights from a Tanzanian REDD+ Pilot Project.*

**3:40** Wendy Beth Miles\*, University of Hawaii and East-West Center; Raymond Achu Samndong, Norwegian University of Life Sciences, *Community participation as a means or an end: Local perspectives on REDD+ from Indonesia and the Democratic Republic of Congo.*

**4:00** Ashley Enrici, PhD Candidate\*, University of Maryland, *REDD+ in Indonesia: a moving target.*

**4:20** Ritodhi Chakraborty\*, University of Wisconsin - Madison, *(Creating) Human subjects and Natural objects: the scope for PES within Bhutan's GNH framework.*

**3556. Geographers, geography and the new cartography (Sponsored by Cartography Specialty Group)**

*Room:* Stetson G, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Janet Speake, Liverpool Hope University

CHAIR(S): Janet Speake, Liverpool Hope University

**3:20** Douglas Richardson\*, Association of American Geographers, *The Foundational Role of Geographers and Geography in the "Emergent New Cartography/ies".*

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**3:40** Alexander Tarr\*, UC Berkeley Geography, *Just Look and See: Activist Mapping as Propaganda and Proposition.*

**4:00** Hyowon Ban\*, California State University, Long Beach, *Geographical Information Converted into Graphic Design and Music.*

**4:20** Mark S Johnson\*, Vertex Consulting LLC, *Understanding Divergent Geographer Opportunities in a Time of Technological Convergence.*

**4:40** Janet Speake\*, Liverpool Hope University, *Where is geography in the new cartography?.*

## **3557. Marxist geography 3: Harvey, capitalism, technologies and nature**

**Room:** *Addams, Hyatt, West Tower, Silver Level* (Panel Session)  
ORGANIZER(S): Jamie Gough, Sheffield University; Raju J. Das, York University

CHAIR(S): Raju J. Das, York University  
Discussant(s): Salvatore Engel-DiMauro, SUNY New Paltz  
Panelists: Noah Quastel, University of British Columbia; Vishrut Arya, University of Minnesota - Minneapolis; Phil O'Keefe, Northumbria University

## **3558. Digital Disruptions and Urban Governance (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**

**Room:** *Burnham, Hyatt, West Tower, Silver Level* (Paper Session)  
ORGANIZER(S): Elizabeth Rapoport; Michele Acuto, University College London; Donald McNeill, University of Western Sydney

CHAIR(S): Michele Acuto, University College London

**3:20** Robin Hambleton, BA MA PhD MRTPI FRSA\*, University of the West of England, Bristol, *From Smart Cities to Wise Cities.*

**3:40** Tooran Alizadeh\*, Griffith University; Neil Sipe, University of Queensland, *Vancouver's Digital Strategy: Disruption or New Direction for Urban Governance?.*

**4:00** Simon Marvin, Prof. \*, Durham University; Andres Luque-Ayala, Dr., Durham University, *The maintenance of urban circulation: Operationalisation of the city/civitas as a managerial entity.*

**4:20** Myriam Houssay-Holzschuch\*, University Grenoble Alpes; Laura Wenz, University of Münster, *'#WDC2014 is the first word in innovation @CoCT' Hashtag-governance and mediatized politics in contemporary Cape Town.*

**4:40** Hannah Johnston\*, Queen's University, *Collective Organizing in the Age of Uber.*

## **3559. From Kreuzberg to Williamsburg (4): Exploring the trans-local nature of cultural scenes and the creation and diffusion of knowledge, practices and value(s) across space, scale and industry. (Sponsored by Cultural Geography Specialty Group)**

**Room:** *Dusable, Hyatt, West Tower, Silver Level* (Paper Session)  
ORGANIZER(S): Chiara Valli, Uppsala University; Brian J. Hracs, University of Southampton; Taylor Brydges, Uppsala University

CHAIR(S): Brian J. Hracs, University of Southampton

**3:20** Gordon C. C. Douglas\*, New York University, *Translocal Geographies of Creative Transgression: Inspiration, Reproduction, and Innovation in Multi-City Street Art and DIY Urbanism.*

**3:40** Johannes Novy\*, Brandenburgische Technische Universität Cottbus-Senftenberg, *"Destination Kreuzberg Revisited - contemporary trends in tourism and place consumption in Berlin's inner city neighborhoods".*

**4:00** Monique Lehnertz\*, BTU Brandenburgische Technische Universität Cottbus - Senftenberg, *'Geographies of the everyday life' of contemporary artists in Berlin. The formation of space through creative individuals in their creative value-added process interconnected to the global and the local scale of regulatory mechanisms of the art market..*

Discussant(s): Melanie Fasche, University of Toronto

## **3560. Bridging Postcolonial and Posthumanist Geographies III (Sponsored by Cultural Geography Specialty Group)**

**Room:** *Field, Hyatt, West Tower, Silver Level* (Paper Session)  
ORGANIZER(S): Mark Simon Jackson, University of Bristol; Matthew Clay Watson, Texas Tech University; Maan Barua, University of Oxford

CHAIR(S): Mark Simon Jackson, University of Bristol

**3:20** Maan Barua\*, University of Oxford, *On extinction: human and natural histories against the Anthropocene.*

**3:40** Jennifer Atchison\*, University of Wollongong; Lesley M Head, PhD, University of Wollongong, *Entangled invasive lives I: Indigenous Invasive Plant Management in Northern Australia.*

**4:00** Lizzie Richardson\*, University of Cambridge, *Posthuman/postcolonial subjects? Race and the politics of position.*

Discussant(s): Mark Simon Jackson, University of Bristol

## **3561. Breaking Bad: flash points in Russia's near abroad and the broader implications (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**

**Room:** *Horner, Hyatt, West Tower, Silver Level* (Panel Session)  
ORGANIZER(S): Andrew Ryder, University of Portsmouth  
CHAIR(S): Andrew Ryder, University of Portsmouth

## **3562. Spatial Inequality II: North America (Sponsored by Regional Development and Planning Specialty Group, Applied Geography Specialty Group, Economic Geography Specialty Group)**

**Room:** *McCormick, Hyatt, West Tower, Silver Level* (Paper Session)  
ORGANIZER(S): Yehua Dennis Wei, University of Utah  
CHAIR(S): David L. Rigby, UCLA

**3:20** Jurgen Essletzbichler\*, University College London, *The Top 1% In U.S. Metropolitan Areas.*

**3:40** Anne Visser\*, University of California, Davis, *Reconfiguring Economic Opportunity and Mobility: The Great Recession and the Structure of Employment in the US Labor Market.*

**4:00** Sebastien Breau\*, McGill University; Richard Saillant, Canadian Institute for Research on Public Policy and Public Administration, *Regional income disparities in Canada: Exploring the geographical dimensions of an old debate.*

**4:20** Alan Walks\*, University of Toronto, *Asset-Based Welfare and the Spatial Segregation of Wealth in the City.*

**4:40** Antonio Paez\*, McMaster University; Sammara Soares, Universidade Federal de Pernambuco; Tatiane Menezes, Universidade Federal de Pernambuco, *Assessing spatial inequalities based on the probabilities of an ordinal model.*

## **3563. Human Geography**

**Room:** *Ogden, Hyatt, West Tower, Silver Level* (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Wook Lee, Edinboro University of PA

**3:20** Omawu Diane Enobabor\*, Florida International University, *Hyper Surveillance, Critical Resistance: A Praxis of Reclaiming Haitian-Dominican Citizenship in the Dominican Republic.*

**3:25** Mary E Blair, Ph.D. \*, American Museum of Natural History; Hoang M Thach, Vietnam National University; Ngoc B Vu, Vietnam National University; Minh D Le, Vietnam National University; Eleanor J Sterling, American Museum of Natural History; Gautam Sethi, Bard College, *Comparing wildlife trade networks, prices, and drivers across geographic scales in Vietnam.*

**3:30** Caroline Dougherty\*, *Indigenous Perspectives on Road Building and Access to Information in the Peruvian*

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*Amazon.*

- 3:35** Tad Mutersbaugh\*, University of Kentucky, *Flat Earth: Gender And The Politics of Land Measurement In Mexican Sustainable Coffee Production.*
- 3:40** Dmitrii Sidorov\*, CSULB, *Geography of/in Siberia: National Challenges and Transnational Opportunities.*
- 3:45** Regan Doyle\*, Cardiff University, *Slum Economies: Spatial Drivers of Economic Activity Hubs in Informal Settlements - A Case Study of Dar es Salaam, Tanzania.*
- 3:50** Sarah Halvorson-Fried\*, Virginia Tech, *Employer Motivations for Equity, Diversity, and Inclusion: What Effect Does Policy Have?.*
- 3:55** Wook Lee\*, Edinboro University of PA, *Spatial transition from study to work.*
- 4:00** Matthias Falke\*, Ruhr-University Bochum, *Comparative governance framework for city regions.*

## **3564. Hurricanes IV: Paleotempestology (Sponsored by Coastal and Marine Specialty Group)**

*Room:* Wright, Hyatt, West Tower, Silver Level (Paper Session)

- ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University
- CHAIR(S): Adam J. Kalkstein, United States Military Academy
- 3:20** Jose Luis Antinao\*, Desert Research Institute; Eric McDonald, Desert Research Institute; Edward Rhodes, Earth and Space Sciences, University of California, Los Angeles; Nathan Brown, Earth and Space Sciences, University of California, Los Angeles; Wendy Barrera, Earth and Space Sciences, University of California, Los Angeles; John Gosse, Dalhousie University; Susan Zimmerman, Center for Accelerator Mass Spectrometry, Lawrence Livermore National Laboratory; Luis Farfan, Centro de Investigacion Cientifica y de Educacion Superior de Ensenada, *A Late Pleistocene Alluvial Record of Extreme Eastern Pacific Tropical Cyclones.*
- 3:40** Kam-biu Liu\*, Department of Oceanography & Coastal Sciences, Louisiana State University; Terrence A. McCloskey, Louisiana State University; Thomas A. Bianchette, Louisiana State University, *Sedimentary Records of Hurricane Isaac in Estuarine Wetlands along the West Shore of Lake Pontchartrain, Southern Louisiana.*
- 4:00** Harry Williams\*, University of North Texas; Montri Choowong, Chulalongkorn University, Thailand.; Sumet Phantuwongraj, Chulalongkorn University, Thailand.; Peerasi Surakietchai, Chulalongkorn University, Thailand.; Thanakrit Thongkhao, Chulalongkorn University, Thailand.; Eric Simon, University of North Texas, *Geologic Records of Holocene Typhoon Strikes on the Gulf of Thailand Coast..*
- 4:20** Lawrence M Kiage\*, Georgia State University, *The Paleotempestology Record of Coastal Georgia.*
- 4:40** Adam D. Switzer\*, Earth Observatory of Singapore, Nanyang Technological University; Janneli Lea A. Soria, Earth Observatory of Singapore, Nanyang Technological University; Cesar L. Villanoy, Marine Science Institute, University of the Philippines; Hermann M. Fritz, Georgia Institute of Technology; Princess Hope T. Bilgera, Marine Science Institute, University of the Philippines; Olivia C. Cabrera, Marine Science Institute, University of the Philippines; Fernando P. Siringan, Marine Science Institute, University of the Philippines; Yvaine Yacat-Sta. Maria, Marine Science Institute, University of the Philippines; Riovie Ramos, Marine Science Institute, University of the Philippines; Ian Quino Fernandez, Marine Science Institute, University of the Philippines, *Characterizing Typhoon Haiyan and its 1897 predecessor in the Philippines: Why were they so devastating?.*

## **3565. Food Politics and The Agrarian Question I (Sponsored by Rural Geography Specialty Group, Socialist and Critical Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Michigan A, Hyatt, East Tower, Ped Path (Paper Session)

- ORGANIZER(S): Evan Weissman, Syracuse University; Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition
- CHAIR(S): Evan Weissman, Syracuse University
- 3:20** Laura-Anne Minkoff-Zern, PhD\*, Syracuse University, Food Studies, *Race, Culture and the Agrarian Question: Latino Immigrant Farmers in the United States.*
- 3:40** Jessica E. Dennis, M.Sc. Candidate, BSc.Agroecology\*, University of British Columbia; Hannah Wittman, Associate Professor, Food, Nutrition and Health, University of British Columbia, *The people's counter enclosure: Alternative land access regimes and agrarian citizenship in British Columbia, Canada.*
- 4:00** K. Michelle Glowa\*, California Institute of Integral Studies, *From farm occupations to floating gardens: urban agriculture's contentious land politics in the San Francisco Bay Area.*
- 4:20** Nathan McClintock\*, Portland State University, *Cultivating capital: Value, social reproduction, and urbanizing the agrarian question.*
- Discussant(s): Evan Weissman, Syracuse University

## **3566. Time Series Image Processing and Analysis (I) (Sponsored by Remote Sensing Specialty Group)**

*Room:* Michigan B, Hyatt, East Tower, Ped Path (Paper Session)

- ORGANIZER(S): Qihao Weng, Indiana State University; Peng Fu, Indiana State University
- CHAIR(S): Annemarie Schneider, University of Wisconsin, Madison
- 3:20** Qihao Weng\*, Indiana State University; Peng Fu, Indiana State University, *Modeling Annual Parameters of Clear-Sky Land Surface Temperature Variations and Evaluating the Impact of Cloud Cover Using Time Series of Landsat TIR Data.*
- 3:40** Kristofer Lasko\*, University of Maryland - College Park; Krishna Prasad Vadrevu, University of Maryland - College Park; Chris Justice, University of Maryland - College Park, *Land cover/land use changes in Da Nang, Vietnam: Remote Sensing and Field-based investigation.*
- 4:00** Lei Zhang\*, Wuhan University; Qihao Weng, Indiana State University; Zhenfeng Shao, Wuhan University, *Annual dynamics of impervious surface in the Pearl River Delta, China, from 1988 to 2013, using time series Landsat data.*
- 4:20** Yanhua Xie\*, Indiana State University; Qihao Weng, Indiana State University, *Evaluating the Effect of Urbanization on Urban Energy Consumption for Chinese Cities from Time-Series Nighttime Light Imagery.*
- 4:40** Annemarie Schneider\*, University of Wisconsin-Madison; Carly Mertes, University of Wisconsin-Madison; Damien Sulla-Menashe, Boston University; Bin Tan, NASA Goddard Space Flight Center; Andy J. Tatem, University of Southampton, Highfield, *Monitoring urban expansion at continental scales using a multitemporal data fusion approach.*

## **3567. Remote Sensing Applications for Characterizing Wetlands (Sponsored by Remote Sensing Specialty Group)**

*Room:* Michigan C, Hyatt, East Tower, Ped Path (Paper Session)

- ORGANIZER(S): Rebecca L. Powell, University of Denver
- CHAIR(S): Elizabeth Merton
- 3:20** Christopher Brehme\*, Keene State College; Charles Stoll, Keene State College, *A classification and analysis of river channel conditions using aerial photos and*



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*network analysis.*

**3:40** Christine Hladik, PhD\*, Georgia Southern University, *Use of remote sensing data for evaluating elevation and plant distributions in Georgia tidal marshes.*

**4:00** Ashley E. Suiter\*, Southern Illinois University Carbondale, *Classification and Accuracy Assessment of Forested Wetlands through Data Fusion of High-Resolution Multi-Spectral and Lidar Images Using Random Forest.*

**4:20** Xuelian Meng\*, Louisiana State University; Xukai Zhang, Louisiana State University; Azure E. Bevington, Louisiana State University; Kristine L DeLong, Louisiana State University; Weiqi Chen, Louisiana State University; Yirui Deng, Louisiana State University, *Analyzing The Spread of Black Willows In The Atchafalaya River Basin Through Terrestrial Lidar Surveys.*

**4:40** Elizabeth Merton, Graduate Student\*, University of South Florida St. Petersburg; Barnali Dixon, Faculty, University of South Florida St. Petersburg, *Analyzing The Edge-Effect: Applying Fractal Analysis To Mitigated Wetlands In Tampa Bay, Florida.*

**3568. Our future food- and fuel-scapes (II): Agricultural land suitability and availability in the United States (Sponsored by Rural Geography Specialty Group, Energy and Environment Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Tyler J. Lark, University of Wisconsin - Madison; Holly Gibbs, University of Wisconsin-Madison

CHAIR(S): Tyler J. Lark, University of Wisconsin - Madison

**3:20** Sandhya Nepal\*, University of Tennessee, *Impact of Biomass Market and Policy Incentives on Land Availability to Establish Dedicated Energy Crops.*

**3:40** Ruopu Li\*, University of Nebraska-Lincoln; Junyao Chen, University of Nebraska-Lincoln; Zhenghong Tang, University of Nebraska-Lincoln, *Planning the Next-Generation Biofuel Crops in the U.S. Corn Belt: A Land Suitability Analysis.*

**4:00** Tyler J. Lark\*, University of Wisconsin - Madison; Holly K. Gibbs, PhD, University of Wisconsin-Madison, *Mapping Potentially Available Croplands in the United States.*

**4:20** Christopher Lant\*, Utah State University, *Geographic Adaptation to Price and Climate Change of Rural Land Covers in the Central United States.*

Discussant(s): J. Meghan Salmon, University of Wisconsin - Madison

**3569. Green Violence 3: Interrogating New Conflicts over Nature and Conservation (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**

*Room:* Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Elizabeth Lunstrum, Department of Geography; Bram Büscher, Sociology of Development and Change, Wageningen University; Maano Ramutsindela

CHAIR(S): Bram Büscher, Sociology of Development and Change, Wageningen University

**3:20** Raquel Sofia Rodrigues Rosa Machaqueiro\*, George Washington University, *Protecting Amazonia: Disciplining Indians and Rubber Tappers.*

**3:40** Esther Marijnen\*, Institute for European Studies, Free University of Brussels, *The violent nexus between transnational nature conservation and statehood formation.*

**4:00** Maano Ramutsindela\*, University of Cape Town, *Saving Southern Africa's Peace Parks through Violence.*

**4:20** Heather Yocum, PhD\*, University of Colorado, *REDD*

*Violence, Green Violence: Webs of Violence and Carbon Offsets in Malawi.*

Discussant(s): Bram Büscher, Sociology of Development and Change, Wageningen University

**3570. Physical Geography Poster Session (Sponsored by Symposium on Physical Geography Theme)**

*Room:* Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)  
See pages 244-252.

**3573. Dr. Steven Salaita: Academic Freedom, Palestine, and the Demands of Civility. Joint Capitalism Nature Socialism Lecture and Socialist and Critical Geography Specialty Group Plenary (Sponsored by Middle East Specialty Group, Socialist and Critical Geography Specialty Group)**

*Room:* Lucerne 1, Swissôtel, Lucerne Level (Panel Session)  
ORGANIZER(S): Robert B. Ross, Point Park University; Reecia Orzeck, Illinois State University; Salvatore Engel-DiMauro, SUNY New Paltz

CHAIR(S): David Correia, University of New Mexico

Discussant(s): Mazen Labban, Rutgers University

Panelist: Steven Salaita

**3574. Socio-Technical (Sustainability) Transitions in the making: emerging geographies of eco-innovation and green industrial change 2 (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**

*Room:* Lucerne 2, Swissôtel, Lucerne Level (Paper Session)  
ORGANIZER(S): Christian Binz, Harvard University; Bernhard Truffer, Eawag; James T. Murphy, Clark University  
CHAIR(S): Lars Coenen, Lund University, Sweden

**3:20** Piergiuseppe Morone\*, Unitelma Sapienza University of Rome; Carlo Meloni, Dipartimento di Ingegneria Elettrica e dell'Informazione, Politecnico di Bari; Gabriella Dellino, Istituto per le Applicazioni del Calcolo Mauro Picone? CNR; Valentina Elena Tartiu, Institute of Systems Sciences, Innovation and Sustainability Research? University of Graz, *Sustainability transitions, local actors and geography: What drives the locational dynamics of green industries?*

**3:40** Toon Meelen\*, Utrecht University; Koen Frenken; Floortje Alkemade, Utrecht University, *Explaining the spatial diffusion pattern of the Electric Vehicle in The Netherlands.*

**4:00** Tim Schwanen\*, University of Oxford, *Geographies of eco-innovations in urban mobility: how state restructuring complicates sustainability transitions in passenger transport.*

**4:20** Elvira Uyarra\*, University of Manchester - Manchester; Philip Shapira, PhD, University of Manchester; Alan Harding, PhD, University of Liverpool, *UK policies for low carbon innovation and SME growth. A place-blind policy mix?*

Discussant(s): Lars Coenen, Lund University, Sweden

**3575. Author Meets Critics: Red Skin, White Masks: Rejecting the Colonial Politics of Recognition by Glen Sean Coulthard (Sponsored by Socialist and Critical Geography Specialty Group, Indigenous Peoples Specialty Group)**

*Room:* Lucerne 3, Swissôtel, Lucerne Level (Paper Session)  
ORGANIZER(S): Jessica Hallenbeck, University of British Columbia; Natalie Knight; Shiri Pasternak, Columbia University

CHAIR(S): Geraldine J. Pratt, University of British Columbia

Introducer: Michael P C Krebs

Discussant(s): Kanishka Goonewardena; Natalie Knight; Shiri Pasternak, Columbia University; Stefan Kipfer, York University; Glen Coulthard, University of British Columbia



**THURSDAY, APRIL 23 • 3:20 PM - 5:00 PM • 3500****3576. Technology Trends - various papers in application of new technology (Sponsored by Business Geography Specialty Group)***Room: Alpine 1, Swissôtel, Lucerne Level (Paper Session)*

ORGANIZER(S): Linda A. Peters, Esri

CHAIR(S): Linda A. Peters, Esri

**3:20** Amy Rock, Ph.D.\*, Humboldt State University; James Taber, J.D., *Home Tweet Home: Can Social Media Define a Community?***3:40** John Tribble\*, Wright State University, *Find Revenue in Failing Markets: Spatial Analysis for Marketing with Basic GIS Tools*.**4:00** Yue Cui\*, Michigan State University, *Understanding local food systems through Facebook friendship networks*.**4:20** Katelyn E. Grove, Graduate Student\*, Ball State University, *Weather Warnings on Social Media: User Participation and Response to Social Media Weather Warnings*.**3577. Spatiotemporal Symposium: Public Health (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)***Room: Alpine 2, Swissôtel, Lucerne Level (Paper Session)*

ORGANIZER(S): Min Sun, George Mason University; Weihe Wendy Guan, Harvard University; Chaowei Yang, George Mason University

CHAIR(S): Weihe Wendy Guan, Harvard University

**3:20** Shiran Zhong\*, University at Buffalo, The State University of New York; Ling Bian, University at Buffalo, The State University of New York, *Temporal Analysis and Link Prediction of Location Networks in the Context of ILI Transmissions*.**3:40** Dan Cheng\*, University At Buffalo, SUNY; Geoffrey M. Jacquez, University at Buffalo, SUNY, *Spatial and Temporal Analysis for Potential Exposures to Breast Cancer in Marin County, California*.**4:00** Serpil Mentese\*, Balikesir University; Sermin Tagil, Balikesir University, *Temporal Relationship between Air Pollution and Hospital Admissions for Respiratory Diseases in Bilecik, Turkey*.**4:20** Melinda Kathleen Butterworth\*, University of Arizona, *Climate change and disease: dengue fever (re)-emergence in the southern United States*.**4:40** Jason K. Blackburn, PhD\*, University of Florida; Eric Dougherty, BS, University of California, Berkeley; Lillian R Morris, MS, University of Florida; Wayne M. Getz, PhD, University of California, Berkeley, *Examining Seasonal Home Ranges in Wildlife During Anthrax Risk Periods: Comparing Space-Only and Space-Time Balanced Home Range Estimation Approaches*.**3578. Knowledge Networks and Industrial Organization***Room: Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Kristina Westermarck

**3:20** Simona De Rosa\*, Sapienza University of Rome; Roberta Gemmiti, Sapienza University of Rome, *Networks and innovation processes through a proximity perspective. The empirical case study of an Italian network of firms*.**3:40** Ji Won Lee\*, Seoul National University, *A study on the influence of actors' networks on development of project ecologies: Focus on the Internet advertising industry in Korea*.**4:00** Dongsuk Huh\*, Seoul National University, *The Evolution of the IT service industry in the U.S. National Capital Region: Using Cluster Adaptive Cycle*.**4:20** Kristina Westermarck, PhD\*, Stockholms University, *Proximity and Learning in Internationalisation: Small Swedish IT firms in India*.**3579. Precarious Geographies (II) Precariously Placed: Migrants, Gender and Sexuality***Room: St. Moritz, Swissôtel, Lucerne Level (Paper Session)*

ORGANIZER(S): Mel Nowicki, Royal Holloway, University of London; Ella Rhea Selene Harris, Royal Holloway, University of London

CHAIR(S): Ella Rhea Selene Harris, Royal Holloway, University of London

**3:20** Solange Isabel Munoz, PhD\*, University of Michigan, *Squatters and the State in Buenos Aires: Keeping the Poor Poor through Subsidized Eviction*.**3:40** Grace Baey\*, Asia Research Institute; Brenda S.A. Yeoh, Asia Research Institute, *Migration, Precarity, and Constraining Mobilities amongst Bangladeshi Migrant Workers in Singapore's Construction Industry*.**4:00** Menah Raven-Ellison\*, Queen Mary University of London, *'States of precarity: Negotiating homes beyond detention'*.

Discussant(s): Ella Rhea Selene Harris, Royal Holloway, University of London

**3580. Geography of Korea: emerging research topics (Sponsored by Asian Geography Specialty Group)***Room: Grindelwald, Swissôtel, Lucerne Level (Interactive Short Paper Session)*

ORGANIZER(S): Woonup Choi, University of Wisconsin-Milwaukee

CHAIR(S): Woonup Choi, University of Wisconsin-Milwaukee

Introducer: Woonup Choi

**3:25** Lee Jeong-Rock\*, Chonnam National University, *Performance and Development Process of the Phase 1 Project in the Gwangyang Free Economic Zone (GFEZ), Korea: 2004-2010*.**3:30** Chulsue Hwang\*, Kyung Hee University, *Considerations in Developing a New National Atlas of Korea*.**3:35** Sangjun Kang, Ph.D., Gyeonggi Research Institute; Jinmu Choi, Ph.D., Kyung Hee University; Joseph J. Larsen, M.S., University of Wisconsin-Milwaukee; Woonup Choi, Ph.D., University of Wisconsin-Milwaukee, *Spatial Characteristics of Deforestation in North Korea between the 1980s and 2000s*.

Discussant(s): Hyejin Yoon, University of Wisconsin - Milwaukee

**3581. Transit Landscapes II (Sponsored by Transportation Geography Specialty Group)***Room: Verbier, Swissôtel, Lucerne Level (Paper Session)*

ORGANIZER(S): Michael Minn, University of Illinois

CHAIR(S): Michael Minn, University of Illinois

**3:20** Jo-Ching Chung\*, National Taiwan University; Jen-Jia Lin, National Taiwan University, *Effects of Mass Rapid Transit on Gentrification*.**3:40** Nebiyu Tilahun\*, University of Illinois - Chicago; Piyushmita Thakuria, University of Glasgow; Moyin Li, University of Illinois - Chicago; Yaye M Keita, University of Illinois - Chicago, *Mode Choice and the Transit Last Mile Problem*.**4:00** Timothy J. Garceau, Ph.D. Candidate\*, University of Connecticut, *Explaining Peak Car Travel: Analyzing State-Level Patterns to Identify Factors Related to Driving Reductions in the United States*.**4:20** Stephen Antonio Rijo\*, University of Denver, *The Economic Impacts of Improved Bicycle Infrastructure*.

**THURSDAY, APRIL 23 • 5:20 PM - 7:00 PM • 3600****3601. Topologies of Power: (Re-)Making Global Production Networks III (Sponsored by Economic Geography Specialty Group)**

**Room:** Skyway 260, Hyatt, East Tower, Blue Level (Panel Session)  
**ORGANIZER(S):** Martin H. Hess, University of Manchester; Rory Horner, University of Manchester; Gale Raj-Reichert  
**CHAIR(S):** Martin H. Hess, University of Manchester  
**Introducer:** Martin H. Hess  
**Discussant(s):** John R. Allen, The Open University  
**Panelists:** James T. Murphy, Clark University; Stefano Ponte, Copenhagen Business School; Marion Werner, University at Buffalo, SUNY; Henry Wai-chung Yeung, National University of Singapore

**3602. Psychoanalytic Geographies III: Critics Meet the Editor of Psychoanalytic Geographies**

**Room:** Skyway 261, Hyatt, East Tower, Blue Level (Panel Session)  
**ORGANIZER(S):** Maureen Sioh, DePaul University  
**CHAIR(S):** Maureen Sioh, DePaul University  
**Panelists:** Paul T. Kingsbury, Simon Fraser University; Mona Domosh, Dartmouth College; Stuart C. Aitken, San Diego State University; Sarah A. Moore, University of Wisconsin - Madison; Ilan Kapoor

**3606. The political economy of urban real estate : a perspective from India**

**Room:** Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)  
**ORGANIZER(S):** Hortense Rouanet, LATTs - Université Paris-Est; Aurelie Varrel, French Institute of Pondicherry  
**CHAIR(S):** Ludovic Halbert, University Paris-Est, Latts  
**5:20** Llerena Searle, PhD\*, University of Rochester, *After the bubble burst: Changing networks of international investment in Indian real estate.*  
**5:40** Champaka Tirumala Rajagopal\*, Egis India Consulting Engineers Pvt. Ltd, *Still Meddling, Not Yet Through: Planning Instruments as Fiscal Resource, Development Plan Greater Mumbai 1991.*  
**6:00** Raman Bhuvaneswari\*, Jindal Global University, *The Political Economy of Urban Peripheral Real Estate Markets in India: Actors, Strategies and Outcomes.*  
**6:20** Aurelie Varrel\*, French Institute of Pondicherry, India, *Tapping the diaspora money: The dynamics of the Indian real estate corporate sector through the transnational lens.*  
**6:40** Hortense Rouanet\*, LATTs - Université Paris-Est, *Leveraging finance capital : the empowerment of real estate developers as city makers in India.*

**3608. A Political Ecology of Women, Water, and Global Environmental Change: a panel-audience discussion of current contributions to feminist environmental research (Sponsored by Geographic Perspectives on Women Specialty Group)**

**Room:** Skyway 282, Hyatt, East Tower, Blue Level (Panel Session)  
**ORGANIZER(S):** Anne-Marie Hanson, University of Illinois - Springfield; Stephanie Buechler, University of Arizona  
**CHAIR(S):** Anne-Marie Hanson, University of Illinois - Springfield  
**Panelists:** Stephanie Buechler, University of Arizona; Anne-Marie Hanson, University of Illinois - Springfield; Miriam Gay-Antaki, University of Arizona; Farhana Sultana, Syracuse University; Elizabeth Lorimer, University of Toronto; Patricia Perkins, York University; Citty Williams

**3609. South Asia Focus (Sponsored by Asian Geography Specialty Group)**

**Room:** Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)  
**ORGANIZER(S):** Munshi Rahman, Kent State University; Bimal Kanti Paul, Kansas State University  
**CHAIR(S):** Munshi Rahman, Kent State University

**5:20** Bimal Kanti Paul\*, Kansas State University; Munshi K. Rahman, Kent State University, *Preventing Anthrax Infection: Response to the 2010 Anthrax Outbreaks by Residents of Dhaka, Bangladesh.*

**5:40** Munshi Rahman, Ph.D. Candidate\*, Kent State University; Thomas W Schmidlin, Professor, Kent State University, *Consumers' Fears of Formalin/formaldehyde in food products of Bangladesh.*

**6:00** Md Saifuzzaman\*, Queen's University; Ryan Danby, Dr, Associate Professor, Queen's University; Gary vanLoon, Dr, Emeritus Professor, Queen's University, *Dynamics of Physical Landscape in the South Western Coastal Zone of Bangladesh.*

**6:20** Jag Mohan, Mr.\*, Shivaji College, Delhi University; Anjana Mathur Jagmohan, Dr., Dyal Singh College, University of Delhi, India, *A Staged Model of Urban Extension In Developing Countries A Study of Metropolitan City of Delhi, India.*

**6:40** Anjana Mathur Jagmohan, Dr.\*, Dyal Singh College, Delhi university, India; Jag Mohan, Mr., Shivaji College, University of Delhi, India, *Ground Water In Urban Areas - Signal of Urban Development In Attributes And Quantity - A Study In Delhi, India.*

**3610. Land Change Modeling and CyberGIS**

**Room:** Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)  
**ORGANIZER(S):** Wenpeng Feng; Wenwu Tang, University of North Carolina at Charlotte; Jing Deng, China University of Geosciences  
**CHAIR(S):** Wenpeng Feng  
**5:20** Emma L. Kuster\*, University of Oklahoma; Renee A. McPherson, University of Oklahoma, *Exploring Land Cover Change in the Oklahoma Cross Timbers.*  
**5:40** George Grekousis\*, National Technical University of Athens, Greece; Giorgos Mountrakis, State University of New York, College of Environmental Science and Forestry; Marinos Kavouras, National Technical University of Athens, Athens, Greece, *Assessing land cover/use dynamics in Europe using MODIS data.*  
**6:00** Tamara Freihat\*, *Capturing Urban Sprawl From Space. A Case Study of Northeastern Illinois.*  
**6:20** Allan D. Hollander\*, University of California, Davis, *A Backcasting Algorithm For Modeling Historical Agricultural Land Cover In The Central Valley of California.*  
**6:40** Zhanli Sun\*, Leibniz Institute of Agricultural Development in Transition Economies (IAMO), *Regime Shift in Land Systems: Concept, Evidence and Simulation.*

**3611. Placing Environmental Education: Challenges and Prospects for Geography and Environmental Education 2**

**Room:** Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)  
**ORGANIZER(S):** Andy Davey, University of Wisconsin - Madison; Andrei Israel, The Pennsylvania State University  
**CHAIR(S):** Andy Davey, University of Wisconsin - Madison  
**5:20** Andrei Israel\*, The Pennsylvania State University, *Visceral Pedagogy: Embodiment, Place, and Environmental Education.*  
**5:40** Benjamin Kent Haywood, Ph.D.\*, Allegheny College, *Exploring the lived experiences of participatory science volunteers: the influence of context, setting, and person.*  
**6:00** Casey D. Allen, PhD\*, University of Colorado - Denver, *The Value of Short-term International Field Study Programs: Maymester in Grenada, West Indies.*  
**6:20** Mara Chen, Ph.D.\*, Salisbury University; Gina Bloodworth, Ph.D.\*, Salisbury University, *Analysis of environmental attitudes and actions comparing university students and local community residents in Salisbury, MD.*  
**Discussant(s):** Andrei Israel, The Pennsylvania State University

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- 3613. WS #3-4 You're Hired: How to Showcase Your Skills with Interactive Maps and Apps (Sponsored by AAG Jobs and Careers Theme)**  
**Room:** *Columbus AB, Hyatt, East Tower, Gold Level* (Panel Session)  
 ORGANIZER(S): Mark Revell, Association of American Geographers - Washington, DC  
 CHAIR(S): Mark Revell, Association of American Geographers - Washington, DC
- 3614. Jobs in Geohumanities II (Sponsored by AAG Jobs and Careers Theme, GeoHumanities Theme, Cultural Geography Specialty Group)**  
**Room:** *Columbus CD, Hyatt, East Tower, Gold Level* (Panel Session)  
 ORGANIZER(S): Laurel Catherine Smith, University of Oklahoma  
 CHAIR(S): Martin Zebracki, University of Leeds  
 Panelists: Rebecca A. Sheehan, Oklahoma State University; David Correia, University of New Mexico; Antonio Luna-Garcia, Universitat Pompeu Fabra Barcelona; Richard Heyman, University of Texas at Austin; Peta Mitchell, Queensland University of Technology; Karen Falconer Al-Hindi, University of Nebraska
- 3615. James Blaut Award and Memorial Lecture, by Cindi Katz (Sponsored by Socialist and Critical Geography Specialty Group)**  
**Room:** *Columbus EF, Hyatt, East Tower, Gold Level* (Panel Session)  
 ORGANIZER(S): Robert B. Ross, Point Park University  
 CHAIR(S): Robert B. Ross, Point Park University  
 Introducer: Cindi Katz
- 3616. The Urban Political at a Time of Late Neoliberalism V: Repoliticizing the Urban Political (Sponsored by Cultural Geography Specialty Group)**  
**Room:** *Columbus G, Hyatt, East Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Theresa Erin Enright, University of Toronto; Ugo Rossi  
 CHAIR(S): Theresa Erin Enright, University of Toronto  
**5:20** Walter J. Nicholls\*, Sociology, University of Amsterdam; Justus Uitermark, Sociology, University of Amsterdam, *Planning, Politics, Resistances: The Political Trajectories of Day Labor Resistances in the United States, from street corners into a national resistance network.*  
**5:40** Daniel Mullis\*, Goethe Universität Frankfurt, *Crisis, Protest and the Restructuring of the City Centre - Struggles for Democracy and over Hegemony in Athens.*  
**6:00** Sinan Erensi, University of Minnesota; Ozan Karaman\*, University of Glasgow, *Politicization through 'Life spaces': the Gezi and beyond.*  
**6:20** Iris Dzudzek\*, Department of Human Geography, Goethe-University Frankfurt a. M., *Voice or Noise? The London Riots - or the Articulation of Political Subjectivities that Matter.*  
 Discussant(s): David Wachsmuth, New York University
- 3617. Assessing Conservation Politics at the World Parks Congress (Sponsored by Cultural and Political Ecology Specialty Group)**  
**Room:** *Columbus H, Hyatt, East Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Noella Gray, University of Guelph  
 CHAIR(S): Noella Gray, University of Guelph  
**5:20** Leslie Acton\*, Duke University, *Shaping the Governance of Ocean Spaces: Global Politics of Marine Protected Areas at the World Parks Congress 2014.*  
**5:40** Peter Wilshusen, Ph.D.\*, Bucknell University; Kenneth Iain MacDonald, Ph.D., University of Toronto, *Business of Biodiversity: Corporate Enactment, Conservation Governance, and the Politics of Articulation.*  
**6:00** Brett Sylvester Matulis\*, University of Edinburgh, *Digital Activism and Global Environmental Governance: The World Parks Congress, Dissent, and Nature 2.0.*  
**6:20** Catherine Corson\*, Mount Holyoke College, *Reflecting on collaborative event ethnography.*
- Discussant(s): Bram Büscher, Sociology of Development and Change, Wageningen University
- 3618. Special Blue Ribbon Session Honoring Dr. Lawrence A. Brown (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)**  
**Room:** *Columbus IJ, Hyatt, East Tower, Gold Level* (Panel Session)  
 ORGANIZER(S): Madhuri Sharma, University of Tennessee, Knoxville; Michael D. Webb, University of North Carolina at Chapel Hill; John Frazier, Binghamton University  
 CHAIR(S): Rickie Sanders, Temple University  
 Introducer: Rickie Sanders  
 Discussant(s): Marilyn A. Brown, Georgia Institute of Technology; Kevin R. Cox, Ohio State University; John Holmes, Queen's University; John Paul Jones, University of Arizona; Linda Lobao, Ohio State University; Edward Malecki, Ohio State University; Morton E. O'Kelly, Ohio State University; Daniel Z. Sui, The Ohio State University
- 3619. Symposium on Space-time Behavior and Planning in Urban China V (Sponsored by China Specialty Group, Urban Geography Specialty Group)**  
**Room:** *Columbus KL, Hyatt, East Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University; Yue Shen, East China Normal University  
 CHAIR(S): Yue Shen, East China Normal University  
**5:20** Xu Huang\*, Utrecht University; Martin Dijst, Utrecht University; Jan van Weesep, Utrecht University, *Rural migrants' intra-urban residential mobility and involuntary vs. voluntary relocation: evidence from Yangzhou, China.*  
**5:40** Hongbo Chai\*, College of Urban and Environmental Sciences, Peking University; Jian Feng, College of Urban and Environmental Sciences, Peking University, *Research on the Evolution of Activity Space of the Low-income Residents in Beijing, China.*  
**6:00** Yan Zhang\*, The Institute of Beijing Studies, Beijing Union University; Yanwei Chai, College of Urban and Environmental Sciences, Peking University; Mei-po Kwan, Department of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign, *A comparative study of urban residents' space-time activity pattern between Beijing, China and Chicago, USA.*  
**6:20** Can Wang\*, Tongji University; De Wang, Professor, Tongji University; Wei Zhu, Vice Professor, Tongji University, *Consumer Behavior in Commercial Complex: Simulation Models and Planning Implications.*  
 Discussant(s): Yue Shen, East China Normal University
- 3620. New Trends in China Urbanization (Sponsored by China Specialty Group)**  
**Room:** *Grand A, Hyatt, East Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): David W. Edgington, University of British Columbia  
 CHAIR(S): Jian-Yi Liu, Montana State University  
**5:20** Jian-Yi Liu\*, Montana State University; Jian-yi Liu, Montana State University, *China: Urbanization and Urban Land Use Changes since 1980.*  
**5:40** Fan Zhang\*, East China Normal University, *Structure of the Chinese Urban Network through Air Connections.*  
**6:00** Liyan Xu\*, MIT; Jinhua Zhao, MIT, *China's Urbanization Myth: What is the country's "true" urbanization level, and why does it matter?.*  
**6:20** Jiejing Wang\*, The University of Hong Kong; Anthony G. O. Yeh, The University of Hong Kong, *On the Cascade*

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*Structure of the Hierarchy of Chinese Cities: 1982-2010.*

- 6:40** Lizhu Dai\*, Peking University; Guicai Li, Peking University, *Domestic investment-induced urbanization in Inland China in the era of globalization: Case study of the Changzhutan (CZT) region.*

**3621. Title: Sustainable Watershed Management: Issues in Hydrology, Water Quality, and Water Quantity 3 (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)**

**Room:** *Grand B, Hyatt, East Tower, Gold Level* (Paper Session)  
ORGANIZER(S): Christopher Woltemade, Shippensburg University; Matthew Deitch, Center for Ecosystem Management and Restoration

CHAIR(S): Matthew Deitch, Center for Ecosystem Management and Restoration

- 5:20** Jose Alejandro Cascante Campos, Geographer from Costa Rica\*, Master of Science student at Texas State University, *GIS and ecosystem services: a methodology for zoning environmental management investments in Rio Macho watershed, San Jose, Costa Rica.*

- 5:40** Ibraheem Khan\*; Klaus Hubacek, Advisor; Glenn Moglen, co-advisor; Laixiang Sun, co-advisor, *Ecosystem Services Vulnerability Analysis in an Urbanized Watershed.*

- 6:00** Sushil Tuladhar\*, University of Northern Iowa; Andrey Petrov, University of Northern Iowa; Mohammad Iqbal, University of Northern Iowa, *Spatiotemporal Assessment of Condition, Trends and Determinants of Water Quality in the Cedar River Watershed, Iowa.*

- 6:20** Robert T. Pavlowsky\*, Missouri State University; Joseph Pitts, James River Basin Partnership; Marc R. Owen, Ozarks Environmental and Water Resources Institute, *Can riparian conservation easements reduce nonpoint sediment and nutrient loads in watersheds?*

- 6:40** Linda S. O'Hirok, Ph.D.\*, California State University Channel Islands; Nathan Hilpert, California State University Channel Islands; Amber Baglietto, California State University Channel Islands; Kevin Gaston, California State University Channel Islands, *Santa Rosa Island, Channel Islands National Park: One Hundred Fifty Years of Grazing Followed by Sixteen Years of Restoration, How Are We Doing?.*

**3622. Celebrating Florence Margai's Contribution to Binghamton University, the ASG, AAG and Beyond**

**Room:** *Grand C/D North, Hyatt, East Tower, Gold Level* (Panel Session)

Organizers of Binghamton University segment:

**John Frazier**, Binghamton University  
**Norah Henry**, Binghamton University  
**Eugene Tettey-Fio**, SUNY - Binghamton

Chair: **Norah Henry**, Binghamton University

Speakers:

**Douglas Richardson**, Association of American Geographers  
**John Frazier**, Binghamton University  
**Wei Li**, Arizona State University; Ethnic Geography Specialty Group  
**Sue Grady**, Michigan State University; Health and Medical Geography Specialty Group  
**Ibipo Johnston-Anumonwo**, SUNY - Cortland  
**Eugene Tettey-Fio**, Binghamton University

Organizers of Africa Specialty Group segment:

**Joseph Oppong**, University of North Texas  
**Francis Owusu**, Iowa State University  
**Kefa Otiso**, Bowling Green State University  
**William Moseley**, Macalester College  
**Joseph Zume**, Shippensburg University

Introduction: **Joseph Zume**, Shippensburg University

Chair: **Kefa Otiso**, Bowling Green State University

Speakers:

**Joseph Oppong**, University of North Texas  
**Godson Obia**, Eastern Illinois University  
**Ezekiel Kalipeni**, University of Illinois at Urbana-Champaign  
**Francis Owusu**, Iowa State University  
**William Moseley**, Macalester College  
**Tonny Oyana**, University of Tennessee – Memphis  
**Adam Matthew**, Oklahoma State University  
**Nathaniel Dede-Bamfo**, Texas State University

Sponsors: Binghamton University, Africa Specialty Group

Co-sponsors: Ethnic Geography Specialty Group, Health and Medical Geography Specialty Group

**3625. "The New Cultural Instrumentalism: Chicago Goes Global"-the 2015 Cultural Geography SG Marquee Session (Sponsored by Cultural Geography Specialty Group, Historical Geography Specialty Group, Chicago and the Great Lakes Region Theme)**

**Room:** *Grand Suite 2 AB, Hyatt, East Tower, Gold Level* (Panel Session)

ORGANIZER(S): Christopher W. Post, Kent State University;

**Angela Gray Subulwa**, University of Wisconsin Oshkosh

CHAIR(S): **Christopher W. Post**, Kent State University

Introducer: Christopher W. Post

Introducer: Angela Gray Subulwa

Discussant(s): **David Wilson**, University of Illinois

**3626. Implications of Urban Restructuring (Sponsored by Chicago and the Great Lakes Region Theme)**

**Room:** *Grand Suite 3, Hyatt, East Tower, Gold Level* (Paper Session)

ORGANIZER(S): Koen Smet, University of Salzburg

CHAIR(S): Koen Smet, University of Salzburg

- 5:20** Courtney Tyler\*, Illinois State University; John C. Kostelnick, Illinois State University, *Gentrification along Chicago's Milwaukee Avenue.*

- 5:40** Garrett Wolf\*, Marstel-Day, LLC, *Reproducing the Chicago River: The Role of Intermediaries in a Post-Industrial Chicago River.*

- 6:00** Wayne M. Beggs\*, University of Texas - Arlington; James C. Murdoch, University of Texas - Arlington, *A Typology for Instant Gentrification.*

- 6:20** Daniel J. Hammel\*, University of Toledo; Xueying Chen, Rutgers University, *Homeownership in Middle America in the Post Crisis Era.*

- 6:40** Koen Smet\*, University of Salzburg, *The Cost of Housing in Urban Areas.*

**3627. Blue-Collar Scholars (Sponsored by Geographic Perspectives on Women Specialty Group)**

**Room:** *Grand Suite 5, Hyatt, East Tower, Gold Level* (Panel Session)

ORGANIZER(S): Altha J. Cravey, University of North Carolina; Ken Hillis, University of North Carolina - Chapel Hill

CHAIR(S): Ken Hillis, University of North Carolina - Chapel Hill

Panelists: Altha J. Cravey, University of North Carolina; Ken Hillis, University of North Carolina - Chapel Hill; Lorraine Dowler, Penn State University; Altheria Gaston, Texas Christian University; Richard A. Schroeder, Rutgers University

**3628. Connecting up the multiple geographies of higher education (2)**

**Room:** *Plaza A, Hyatt, East Tower, Green Level* (Paper Session)

ORGANIZER(S): John Harrison, Loughborough University; Darren Smith, Loughborough University; Chloe Kinton, Loughborough University

CHAIR(S): John Harrison, Loughborough University

- 5:20** Sara Anna Maria Lång\*, Uppsala universitet, *The Production of 'Sliding' Geographical Knowledge by Supra-National Bodies of Education.*

- 5:40** Sara Fuller\*, Macquarie University, *Positioning the*

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*university as a climate change actor.*

**6:00** Leila Frouillou\*, Sorbonne; Camille Vergnaud, Paris 10 Nanterre, *University territories and strategic appropriations of the "social demand". Exploring the multi-scale reconfigurations of the academic missions and borders.*

**6:20** Danya Al-Saleh\*, University of Wisconsin, *On Learning, Traveling, and Dorming: The Women's Student Dormitory at Qatar University.*

Discussant(s): Natalie R. Koch, Syracuse University

**3629. The changing face of environmentalism: alternative discourses for similar issues. (Sponsored by Cultural and Political Ecology Specialty Group)**

*Room:* Plaza B, Hyatt, East Tower, Green Level (Panel Session)

ORGANIZER(S): Esteban Rossi, Pontificia Universidad Javeriana; Fernando Hernandez Espino, Clark University

CHAIR(S): Esteban Rossi, Pontificia Universidad Javeriana

Introducer: Esteban Rossi

Discussant(s): Fernando Hernandez Espino, Clark University

Panelists: Henrik Ernstson, Stanford University, KTH & Univ of Cape Town; Juan Luis Dammert, Clark University; Erica Hann; Linus Blomqvist, Breakthrough Institute

**3630. Border to Border: Challenging Enforcement, Militarism, and Securitization**

*Room:* Soldier Field, Hyatt, West Tower, Bronze Level (Panel Session)

ORGANIZER(S): Lauren Martin, University of Oulu

CHAIR(S): Lauren Martin, University of Oulu

Panelists: Geoffrey Boyce, University of Arizona; Andrew David Burridge, University of Exeter; Carrie Mott, University of Kentucky; Jill Williams, University of Hawai'i-Manoa; Glenda Garelli

**3631. Region, Landscape, and Time: Geographic Construction in Cultural and Historical Context (Sponsored by Historical Geography Specialty Group)**

*Room:* Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Garrett Dash Nelson, University of Wisconsin - Madison

CHAIR(S): Garrett Dash Nelson, University of Wisconsin - Madison

**5:20** Michael W. Longan\*, Valparaiso University; Mark J. Bouman\*, The Field Museum, *Putting the Pieces Together: Creating a Coherent Landscape Narrative for the Calumet Region?*

**5:40** Jeffery E. Roth\*, Stephen F. Austin State University, *Restoring Regional Historical Identity of the Black American Population before 1865.*

**6:00** Michal Semian\*, Charles University in Prague, *Rearticulation of history and process of regional identity formation.*

**6:20** Garrett Dash Nelson\*, University of Wisconsin - Madison, *Making the single city: The constitutive landscape in Boston, 1890-1915.*

Discussant(s): Anssi Paasi, University of Oulu

**3632. Global Urban Agriculture: Convergence of Theory and Practice between North and South. II (Sponsored by Geographies of Food and Agriculture Specialty Group)**

*Room:* Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Antoinette MGA. WinklerPrins, Johns Hopkins University

CHAIR(S): Sophia Albov, University of Montana

**5:20** Courtney M Gallaher\*, Northern Illinois University, *Linking food security and urban environmental quality: urban agriculture in Lilongwe, Malawi.*

**5:40** Jonathan Lowell\*, University of Texas; Sara Law, University of Texas at Austin, *The Broken Circle: Privileging Sustainable Production in Austin, Texas and.*

**6:00** Fernando J. Bosco\*, San Diego State University; Pascale Joassart-Marcelli, San Diego State University, *Gardens in the City: Community, Politics and Place.*

**6:20** Leslie Gray\*, Santa Clara University, *Potential Benefits and Barriers to Urban Agriculture in North America.*

Discussant(s): Antoinette MGA. WinklerPrins, Johns Hopkins University

**3633. Historical Animal Geographies II: Uncovering Nonhuman Lives of the Past (Sponsored by GeoHumanities Theme, Animal Geography Specialty Group, Historical Geography Specialty Group)**

*Room:* Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Sharon E. Wilcox, University of Texas Austin; Stephanie Rutherford, Trent University

CHAIR(S): Stephanie Rutherford, Trent University

**5:20** Kristin A. Cutler\*, Syracuse University, *Dogs in the City: A History of Animal Control in Syracuse, New York.*

**5:40** Monica A. Hoffman\*, University of California, San Diego, *'Are You Prepared to Fight Both Enemies?' Militarized Mosquitoes in the Allies' Anti-Malaria Campaigns of World War II.*

**6:00** Doris Susannah Essah\*, University of Ghana, *Infectious Trypanosome, the Environment and Medical Institutions in the Gold Coast Colony, 1880s to 1950s.*

**6:20** Ian MacLachlan\*, University of Lethbridge, *Livestock Transition in Context: Theorizing about Stages and Transitions in Human and Animal Geography.*

**3635. Integrating Geography-based Resources, Materials, and Tools (RMT) into Pre-service STEM Courses (Sponsored by National Center for Research in Geography Education)**

*Room:* Picasso, Hyatt, West Tower, Bronze Level (Panel Session)

ORGANIZER(S): Richard G. Boehm, Texas State University

CHAIR(S): Richard G. Boehm, Texas State University

Discussant(s): Niem Huynh, Association of American

Geographers; Edwin Chow, Texas State University

Panelists: Emily Summers, Texas State University - San Marcos; Michael N. Solem, Association of American Geographers

**3636. Environmental Justice and the State II: Movement Engagement with Agencies' EJ Efforts (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group)**

*Room:* Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Jill Lindsey Harrison, University of Colorado At Boulder; Jonathan K. London, UC Davis

CHAIR(S): Jill Lindsey Harrison, University of Colorado At Boulder

**5:20** Jonathan K. London\*, UC Davis, *Cumulative Rounds of Cumulative Environmental Impact Policy in California.*

**5:40** Michael Mendez\*, UC Berkeley.edu, *Climate Change from the Streets: A Community-based Framework for Addressing Local and Global Environmental Health Impacts.*

**6:00** Keith K Miyake\*, The Graduate Center, CUNY, *Racializing Environmental Policy: Urban Renewal and the National Environmental Policy Act.*

**6:20** Tracy Perkins\*, UC Santa Cruz, *From Conflict to Collaboration: The Evolving Relationship Between California Environmental Justice Activism and the State, 1980s-2010s.*

Discussant(s): Julian Agyeman, Tufts University

**3637. Urban Geography**

*Room:* Wrigley, Hyatt, West Tower, Bronze Level (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Joan Casey

**5:20** Michael David Calvelli\*, Montclair State University, *Assessing Land Use Change in Washington Township*

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- 5:25** Melissa Salich\*, Grand Valley State University, *Comparative analysis of vehicle collision rates of intersections reconstructed to roundabouts in Michigan.*
- 5:30** Shengfu Yang, PhD\*, School of Public Administration, China University of Geosciences, Wuhan Hubei; Shougeng Hu, Prof., School of Public Administration, China University of Geosciences, Wuhan Hubei, *The impacts of special natural features on urban land and residential prices: A case study in Wuhan.*
- 5:35** Junyao Chen\*, University of Nebraska - Lincoln; Ruopu Li, University of Nebraska - Lincoln, *The Urban Growth and Land-use Change Simulation in Lincoln, Nebraska.*
- 5:40** Andrew Van Leuven\*, Temple University, *Making a Case for Walkability: Separating the Factors that Affect Home Values in Commuter Rail Suburbs.*
- 5:45** Johannes Buerger\*, Binghamton University, *Analysis of Houston's light rail catchment area.*
- 5:50** Weifeng Qiao\*, Institute of Geographical Sciences And Natural Resources Research, *Quantitative Study on Urban Three-dimensional Morphological Evolution ?A Case Study of Nanjing, China.*
- 5:55** Nicolas Saravia\*, University of Bristol, *Examining change and rhythms in '24/7' societies.*
- 6:00** Alexandra Knopf\*, Clark University, *Connecting Urban Tree Cover Variability and Resident Heat Stress Risk in Worcester, MA.*
- 6:05** Gerald R. Shoults\*, Grand Valley State University, *A Descriptive Comparison of Demographic Statistics for Regions and Multi-County Areas of Michigan: 1999 -2012.*
- 6:10** Demetrice R. Jordan, M.A\*, Michigan State University - Department of Geography; Kevin C. Piraino, B.S., Michigan State University - Department of Geography; Joseph P Messina, PhD, Michigan State University - Department of Geography; Ashton M. Shortridge, PhD, Michigan State University - Department of Geography; Charles E. Moore, M.D., Emory University School of Medicine - Department of Otolaryngology, *Soiled Soil: Exploring the Spatial Distribution of Certain Cancers Among Communities in Close Proximity to Urban Brownfields Inside the Perimeter of Atlanta, GA.*
- 6:15** Joan A. Casey, PhD\*, UC Berkeley and UC San Francisco; Sara G. Rasmussen, MHS, Johns Hopkins Bloomberg School of Public Health; Jonathan Pollak, MPP, Johns Hopkins Bloomberg School of Public Health; Elizabeth L. Ogbrun, PhD, Johns Hopkins Bloomberg School of Public Health; Jennifer K. Irving, BS, Geisinger Center for Health Research; Brian S. Schwartz, PhD, MPH, Johns Hopkins Bloomberg School of Public Health, *Exposure to unconventional natural gas development in Pennsylvania and pregnancy outcomes.*

**3638. Challenges and Opportunities of Integrating Sustainability Programs in Geography Departments: Is it time for a Sustainability Specialty Group?**

- Room:** *Acapulco, Hyatt, West Tower, Gold Level (Panel Session)*  
**ORGANIZER(S):** Aondover Tarhule, University of Oklahoma Department of Geography and Environmental Sustainability  
**CHAIR(S):** Aondover Tarhule, University of Oklahoma Department of Geography and Environmental Sustainability  
**Panelists:** Ronald R. Hagelman, Texas State University - San Marcos; Heejun Chang, Portland State University; Stephen S. Young, Salem State University

**3639. Population, Health and Place (Sponsored by Political Geography Specialty Group, International Geospatial Health Research Network)**

- Room:** *Atlanta, Hyatt, West Tower, Gold Level (Paper Session)*  
**ORGANIZER(S):** Pablo Mateos, CIESAS  
**CHAIR(S):** Jane Farmer, La Trobe University
- 5:20** Stacey R Brown\*, Southern Illinois University-Edwardsville, *Breathe In, Breathe Out: Respiratory Hospitalization in Metro East St. Louis.*
- 5:40** Gyoungju Lee\*, *Identifying local blind spots of medical care service for the impoverished elderly by mapping a local accessibility measure.*
- 6:00** Agyapong Fosu Amankwah\*, University of Cape Coast, *Women decision making autonomy in reproductive health in Ghana.*
- 6:20** Jane Farmer, Professor\*, La Trobe University; Amanda Kenny, Professor, La Trobe University; Virginia Dickson-Swift, Dr, La Trobe University; Sarah Larkins, Professor, James Cook University; Judy Taylor, Professor, James Cook University; Karen Carlisle, Dr, Townsville Mackay Medicare Local, *Place factors and community participation to improve health.*
- 3640. Case Studies of Environment, Health and Policy in Africa II (Sponsored by International Geospatial Health Research Network, Africa Specialty Group)**
- Room:** *Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)*  
**ORGANIZER(S):** Jenna Dixon, University of Waterloo; Andrea Rishworth, Ottawa University  
**CHAIR(S):** Andrea Rishworth, Ottawa University
- 5:20** Emeka Daniel Oruonye\*, Taraba State University; Emeka Daniel Oruonye, Taraba State University, Jalingo, *Impact of Climate Variability on Rural Livelihood on the Nigerian Mambilla Plateau.*
- 5:40** Charisma Acey, Ph.D.\*, University of California - Berkeley, *Just-in-Time Water: Mapping Hybrid Water Systems in African Cities.*
- 6:00** Ryan Zachary Good\*, University of Florida, *Resource Management and Livelihood Strategies in Fishing Communities of Lake Victoria.*
- 6:20** Lydia Osei\*, University of Western Ontario; Jonathan Amoyaw; Godfred Odei Boateng; Sheila Boamah; Fredrick Ato Armah; Isaac Luginaah, *The paradox of water accessibility: understanding the temporal and spatial dimensions of access to improved water sources in Rwanda.*
- 6:40** Katherine Browne\*, University of Michigan, *The Political Ecology of Ebola: Putting the Crisis in Historical and Political Perspective.*

**3641. Spatial Epidemiology V: Spatial analysis (Sponsored by Geographic Information Science and Systems Specialty Group, International Geospatial Health Research Network, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**

- Room:** *New Orleans, Hyatt, West Tower, Gold Level (Paper Session)*  
**ORGANIZER(S):** Eric M. Delmelle, UNC-Charlotte  
**CHAIR(S):** Eric M. Delmelle, UNC-Charlotte
- 5:20** Kevin Matthews\*, University of Iowa, *Late-stage Colorectal Cancer (CRC) Incidence Rates are More Associated with CRC Mortality than the Proportion of Cases Diagnosed Late: An Iowa Example.*
- 5:40** Ingrid Elizabeth Luffman\*, East Tennessee State University, *Identifying Environmental Risk Factors for Disease at Multiple Scales.*
- 6:00** Xun Shi\*, Dartmouth College; Joseph D. Ayotte, U.S. Geological Survey, NH - VT Office, New England Water Science Center; Akikazu Onda, Dartmouth College; Stephanie Miller, The Geisel School of Medicine at Dartmouth; Judy Rees, The Geisel School of Medicine at Dartmouth; Diane Gilbert-Diamond, The Geisel School of Medicine at Dartmouth; Tracy Onega, The Geisel School of Medicine at Dartmouth; Jiang Gui, The Geisel School of Medicine

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at Dartmouth; Margaret Karagas, The Geisel School of Medicine at Dartmouth; John Moeschler, The Geisel School of Medicine at Dartmouth, *Geospatial Association between Low Birth Weight and Arsenic in Groundwater in New Hampshire, USA*.

**6:20** Eric D. Carter\*, Macalester College; Claire M. Hofius, Macalester College, *Spatial-Statistical Analysis of Childhood Immunization Refusal in California*.

**6:40** Aniruddha Banerjee, PHD\*, Indiana U Purdue U Indianapolis; Paul Gruenewald, PhD, Prevention Research Center; William Ponicki, Prevention Research Center, *Effects of Road Characteristics on Motor Vehicle Crashes and Alcohol Outlets in California*.

**3646. Recasting the Rural: State, Society and Space in Contemporary China (Sponsored by Cultural and Political Ecology Specialty Group, China Specialty Group, Development Geographies Specialty Group)**

**Room:** San Francisco, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Jessica Wilczak, University of Toronto; Mindi Schneider, International Institute of Social Studies (ISS)

CHAIR(S): Emily Yeh, University of Colorado

**5:20** John A. Zinda, Ph.D.\*, Brown University; Christine Trac, M.S.; Stevan Harrell, Ph.D., University of Washington, *Dual Forests: Tensions in Producing Environmental and Economic Value in China's Returning Farmland to Forest Program*.

**5:40** Max D. Woodworth\*, The Ohio State University, *After Coal: The Contradictions of Post-Industrial Place-making in China's Mining Districts*.

**5:55** Mindi Schneider, PhD\*, International Institute of Social Studies (ISS), *Wasting the Rural and Meat for the Elite: A Political Ecology of Agroindustrialization in Contemporary China*.

**6:10** Jessica Wilczak\*, University of Toronto, *"Planning Leads to the Most Beautiful Countryside": Understanding the Role of Plans and Planners in the Transformation Post-quake Rural Sichuan*.

**6:25** Elizabeth Lord\*, University of Toronto, *Consuming the countryside? Environmental policies in the Qinling Mountains*.

Discussant(s): Jia Ching Chen, Brown University

**3647. Sustainable Supply Chains (IV): Risks and challenges**

**Room:** Toronto, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Kimberly M. Carlson, University of Minnesota; Holly Gibbs, University of Wisconsin-Madison; Rachael Garrett, Harvard University  
CHAIR(S): Kimberly M. Carlson, University of Minnesota

**5:20** Nathaniel P Springer\*, University of Minnesota; Allan D Hollander, University of California, Davis; Patrick R Huber, University of California, Davis; Courtney Riggie, University of California, Davis; Sonja Brodt, University of California, Davis; Jim F Quinn, University of California, Davis; Tom P Tomich, University of California, Davis, *An Approach for Identifying the Issues and Metrics That Define and Measure Sustainable Development in Agricultural Supply Chains*.

**5:40** Tom Shoberg\*, United States Geological Survey; Suzanna Long, PhD, Missouri University of Science and Technology; Varun Ramachandran, Missouri University of Science and Technology; Steven M Corn, PhD, Missouri University of Science and Technology; Hector J Carlo, PhD, University of Puerto Rico Mayaguez, *What data is necessary to build realistic urban supply chain models?*.

**6:00** Suzanna Long, PhD\*, Missouri University of Science and Technology; Varun Ramachandran, Missouri University of Science and Technology; Tom Shoberg,

United States Geological Survey; Steven M Corns, PhD, Missouri University of Science and Technology; Hector J Carlo, PhD, University of Puerto Rico Mayaguez, *Modeling urban supply chain restoration in the wake of an extreme event*.

**6:20** Ritaumaria Pereira, PhD\*, University of Wisconsin - Madison; Holly Gibbs, PhD, University of Wisconsin-Madison, *Zero-Deforestation Cattle Agreements and their Challenges to Reach Smallholders in the Brazilian Amazon*.

**6:40** Aaron Vlasak, Ph.D.\*, SUNY-ESF; Brian M. Jacobson, J.D. Candidate May 2015\*, Syracuse Law; SUNY-ESF, *Beyond Sustainable Certification*.

**3648. The Waldo Tobler Distinguished Lecture in GIScience (Sponsored by AAG Geographic Information Science and Systems Specialty Group)**

**Room:** Crystal A, Hyatt, West Tower, Green Level (Panel Session)  
ORGANIZER(S): Daniel Goldberg, Texas A&M University  
CHAIR(S): Daniel Goldberg, Texas A&M University

**3649. IJURR International Journal of Urban and Regional Research 2015 Annual Lecture (Sponsored by IJURR and Wiley)**

**Room:** Crystal B, Hyatt, West Tower, Green Level (Panel Session)  
ORGANIZER(S): Maria Kaika, University of Manchester - Manchester  
CHAIR(S): Maria Kaika, University of Manchester - Manchester  
Introducer: Maria Kaika  
Panelists: Nik Theodore, University of Illinois at Chicago

**3650. (De)Sexualisation & (De)Pornification of Space I: Methodological Frontiers (Sponsored by Sexuality and Space Specialty Group)**

**Room:** Crystal C, Hyatt, West Tower, Green Level (Paper Session)  
ORGANIZER(S): Paul J. Maginn, University of Western Australia; Martin Zebracki, University of Leeds; Emily Cooper, Lancaster University  
CHAIR(S): Paul J. Maginn, University of Western Australia

**5:20** Robyn Longhurst, PhD\*, University of Waikato, *Skype Sex, Love and Romance*.

**5:40** Danielle Antoinette Hidalgo, PhD\*, Montana State University; Danielle Antoinette Hidalgo, PhD, Montana State University, *Virtual Spaces of Possibility in the Classroom: Teaching Porn, Sex Work and Sexuality in Unlikely Spaces*.

**6:00** Olga Castro\*, Aston University, Birmingham, *Sex in the Media: A Discourse Analysis of Prostitution Ads in the Spanish Press*.

**6:20** Andrew Fogg\*, *Hot spots! Geographic distribution of sex workers and the contribution that sex work/prostitution makes to the UK economy*.

Discussant(s): Paul J. Maginn, University of Western Australia

**3651. Commuting (Sponsored by Urban Geography Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**

**Room:** Stetson A, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Michael Niedzielski, University of North Dakota; Daniel Schleith, University of Cincinnati  
CHAIR(S): Daniel Schleith, University of Cincinnati

**5:20** Michael Niedzielski\*, University of North Dakota; Morton O'Kelly, The Ohio State University, *Validating synthetic commuting data*.

**5:40** Changjoo Kim\*, University of Cincinnati; Sunhee Sang, University of Cincinnati; Olivier Parent, University of Cincinnati, *Journey-to-work travel behavior characteristics*.

**6:00** Paul Plazier\*, University of Groningen; Gerd Weitkamp, Dr., University of Groningen; Bettina van Hoven, Dr., University of Groningen, *Bicycle commuting in a university environment: a mixed methods approach*.



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- 6:20** Anne AGUILERA\*, Université Paris Est Marne la Vallée, *Urban form, commuting patterns and CO<sub>2</sub> emissions: what differences between the municipality's residents and its jobs?*
- 6:40** Daniel Schleith\*, University of Cincinnati; Michael Widener, PhD, University of Cincinnati, *AMOEBAs defined commuter sheds.*
- 3652. From Online Sweat Shops to Silicon Savannahs (session 2): Geographies of Production in Digital Economies of Low-Income Countries (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)**  
*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Mark Graham, University of Oxford; Nicolas Friederici, Oxford Internet Institute; Isis Hjorth, University of Oxford  
 CHAIR(S): Mark Graham, University of Oxford  
**5:20** Andi Burris\*, Royal Holloway, University of London, *Discourses of Creativity and the Global Division of Digital Labour.*  
**5:40** Lauri Johannes Hooli\*, University of Turku; Jussi S. Jauhainen, University of Turku, University of Tartu, *Knowledge creation processes and local communities: Living Labs as a tool for socio-economic resilience in Tanzania.*  
**6:00** Bryan Pon\*, *Digital entrepreneurship in emerging digital economies: a synthesis across 5 case studies.*  
**6:20** Marton Kocsev\*, Royal Holloway, University of London, *From Hub to Hubris - the Liquid Demographies of the Silicon Savannah.*  
**6:40** Nicolas Friederici\*, Oxford Internet Institute; Tuukka Toivonen, Dr., SOAS London, *Engines of Local Digital Production? Narratives of Technology Innovation Hubs in Sub-Saharan Africa.*
- 3653. Cars, Crime, and Collisions (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)**  
*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Julie Cidell, University of Illinois  
 CHAIR(S): Michael Carroll  
**5:20** Nancy J. Selover, Ph.D.\*, Arizona State University; Ariane Middel, Ph.D., Arizona State University; Nalini Chhetri, Ph.D., Arizona State University; Benjamin Mackowski, Arizona State University; C. J. Sisodiya, Arizona State University, *Impact of Solar Shade Structures on Automobile's Interior Temperatures.*  
**5:40** Ran Tao\*, UNCC, *Spatial Patterns of Motor Vehicle Theft and Recovery Locations.*  
**6:00** Robert S Kull\*, Chicago State University, *The Effect of Red Light Cameras on Automobile Collisions in Chicago, Illinois.*  
**6:20** Jeff Dickey\*, Highway Safety Research Group, *Analysis of Local Road Crashes in Curves.*  
**6:40** Michael Carroll\*, West Chester University; Matin Katirai, PhD, West Chester University - Department of Geography and Planning, *Analysis of Fatal Drinking and Driving in Pennsylvania.*
- 3654. Physical geography/social theory/radical politics: engaging Salvatore Engel-Di Mauro's "Ecology, Soils, and the Left" (Sponsored by Cultural and Political Ecology Specialty Group, Radical Intra-Disciplinarity Theme, Socialist and Critical Geography Specialty Group)**  
*Room:* Stetson E, Hyatt, West Tower, Purple Level (Panel Session)  
 ORGANIZER(S): Mazen Labban, Rutgers University  
 CHAIR(S): Mazen Labban, Rutgers University  
 Discussant(s): Rebecca Lave, Indiana University  
 Panelists: Jon A. Stallins, University of Kentucky; Dianne E. Rocheleau, Clark University; Noel Castree, University of Manchester; Salvatore Engel-DiMauro, SUNY New Paltz
- 3655. Finance and Forests: Political Ecologies of Carbon Commodification II (Sponsored by Cultural and Political Ecology Specialty Group)**  
*Room:* Stetson F, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Nicolena VonHedemann, University of Arizona  
 CHAIR(S): Tracey Osborne, University of Arizona  
**5:20** Elina Andersson\*, Elina Andersson, Lund University, *Agroforestry as a sustainable and socially just carbon-offsetting alternative?.*  
**5:40** Annika Mattissek\*, TU Dresden, *Materialities and technologies in the commodification of forest.*  
**6:00** Niki vonHedemann, M.A.\*, University of Arizona, *Financialization of the Informal: National Forestry Incentive Programs in Guatemala's Western Highlands.*  
**6:20** Tracey Osborne\*, University of Arizona; Elizabeth N. Shapiro-Garza, Duke University, *Finance and Forests: Governance, Community and Counter-narratives in Mexico's Carbon Regime.*  
 Discussant(s): Kathleen McAfee, San Francisco State University
- 3656. Indigenous Peoples Specialty Group Plenary (Sponsored by Indigenous Peoples Specialty Group)**  
*Room:* Stetson G, Hyatt, West Tower, Purple Level (Panel Session)  
 ORGANIZER(S): Mark H. Palmer, University of Missouri-Columbia  
 CHAIR(S): Mark H. Palmer, University of Missouri-Columbia
- 3657. Marxist geography 4: Considering theory**  
*Room:* Addams, Hyatt, West Tower, Silver Level (Panel Session)  
 ORGANIZER(S): Jamie Gough, Sheffield University  
 CHAIR(S): Brett Christophers, Department of Social and Economic Geography, Uppsala University  
 Panelists: Bernd Belina, Goethe University Frankfurt; Annie Spencer, City University of New York (CUNY) Graduate Center; Jamie Gough, Sheffield University; Raju J. Das, York University
- 3658. Digital Disruptions and Urban Governance (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**  
*Room:* Burnham, Hyatt, West Tower, Silver Level (Panel Session)  
 ORGANIZER(S): Elizabeth Rapoport; Michele Acuto, University College London; Donald McNeill, University of Western Sydney  
 CHAIR(S): Rachel Weber, University of Illinois At Chicago  
 Panelists: Michele Acuto, University College London; Donald McNeill, University of Western Sydney; Philip Ashton, University of Illinois-Chicago; Kurt Iveson; Simon Marvin, Durham University
- 3659. Critical approaches to migration studies: New directions at the intersection of migration studies and critical theory and methods (Sponsored by Population Specialty Group, Development Geographies Specialty Group, Ethnic Geography Specialty Group)**  
*Room:* Dusable, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Kathryn Wright; Amelia Schubert, University of Colorado; Aaron Malone, University of Colorado  
 CHAIR(S): Kathryn Wright  
**5:20** Amelia Schubert\*, University of Colorado, *Policy Relevance and Critical Feminist Methods in Migration Studies.*  
**5:40** Madeleine Wong\*, Global Studies, St. Lawrence University; Asana Hamidu, Global Studies, St. Lawrence University, *Researching how Ghanaian transnational families navigate legal interventions of the state.*  
**6:00** Rupak P. Shrestha\*, Miami University, *Seasonal Migration and Circular Turmoil: A Geographic Narrative of Brick Factory Migrant Workers in the Kathmandu Valley, Nepal.*  
**6:20** Brad D. Jokisch\*, Ohio University, *From mass emigration*



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*to return migration? Economic crises and the geopolitics of Ecuadorian international migration.*

- 6:40** Kathryn Wright, Ph.D. Candidate\*, University of Colorado, Boulder, *Complicating neoliberal understandings of the migration-development nexus: Senegalese migrants' multiple and complex engagements with development.*

**3660. Postcolonial and Posthumanist Geographies IV: Reflections on the Possibilities, Perils, and Pitfalls from Emerging Voices, with a Dash of Wisdom (Sponsored by Cultural Geography Specialty Group)**

**Room:** *Field, Hyatt, West Tower, Silver Level* (Panel Session)  
 ORGANIZER(S): Mark Simon Jackson, University of Bristol  
 CHAIR(S): Mark Simon Jackson, University of Bristol  
 Introducer: Mark Simon Jackson  
 Panelists: Emma Gaalaas Mullaney, The Pennsylvania State University; Amanda Caroline Thomas; Penelope Anthias, University of Cambridge; Majed Saeed Akhter, Indiana University; Mark Simon Jackson, University of Bristol; Eric S. Sheppard, UCLA

**3661. Experience and Lessons of Sustainable Watershed and Community Management near Large Lakes (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**

**Room:** *Horner, Hyatt, West Tower, Silver Level* (Paper Session)  
 ORGANIZER(S): Andrey N. Petrov, University of Northern Iowa; Leonid Markusovich Korytnyi, V.B. Sochava Institute of Geography; Vera Kuklina, Institute of Geography SB RAS  
 CHAIR(S): Andrey N. Petrov, University of Northern Iowa  
**5:20** Leonid Markusovich Korytnyi\*, V.B. Sochava Institute of Geography, *The basin of Lake Baikal as a model territory of natural resources management.*  
**5:40** Elena Istomina\*, V.B. Sochava Institute of Geography SB RAS, *Zoning of Coastal Areas Through the Evaluation of Landscape Units in GIS: Experience in Pribaikalye (Russia) and Ria Formosa (Portugal).*  
**6:00** Eduard Ayurovich Batotsyrenov\*, BINM of RAS, *Special economic zones on Lake Baikal and prospects of ecotourism' development.*  
**6:20** Stefanie Duhr, Professor of European Spatial Planning Systems\*, Radboud University Nijmegen, *Spatial and environmental cooperation around the Great Lakes: region-building, strategy-making and governance challenges.*  
 Discussant(s): Nathaniel S. Trumbull, University of Connecticut

**3662. Spatial Inequality III: Developing Countries (Sponsored by Latin America Specialty Group, Asian Geography Specialty Group, Africa Specialty Group)**

**Room:** *McCormick, Hyatt, West Tower, Silver Level* (Paper Session)  
 ORGANIZER(S): Yehua Dennis Wei, University of Utah; Sanjoy Chakravorty, Temple University  
 CHAIR(S): Yehua Dennis Wei, University of Utah  
**5:20** Julie Silva\*, University of Maryland, College Park, *Regional Inequality and Polarization in the Context of Concurrent Extreme Weather and Economic Shocks.*  
**5:40** Marcel Augusto Colling, M.S.\*, Western Parana State University; Camili Dal Pai, M.S., Western Parana State University; Isabela Barchet, M.S., Western Parana State University; Alberto Alves da Rocha, M.S., Western Parana State University; Jefferson A. R. Staduto, Ph.D., Western Parana State University, *The Rural and the Urban in Brazilian Midwest Region: a critical review.*  
**6:00** Shriya Anand\*, Indian Institute for Human Settlements; Neha Sami, Indian Institute for Human Settlements, *States of Development: Does Infrastructure Planning Reinforce Trajectories of Inequality?.*  
**6:20** Bravish Mallavarapu\*, Consultant -- World Bank and Stanley R Hoffman Associates, *Regional Patterns*

*of Technological Upgrading in Post-reforms Indian Manufacturing: Evidence and Causal Pathways.*

- 6:40** Sudhir K. Thakur\*, California State University Sacramento, *Spatial Growth Dynamics and Regional Inequality in India.*

**3663. Black Matters are Spatial Matters**

**Room:** *Ogden, Hyatt, West Tower, Silver Level* (Panel Session)  
 ORGANIZER(S): LaToya Eaves, Florida International University; Willie Wright, UNC Department of Geography  
 CHAIR(S): LaToya Eaves, Florida International University  
 Introducer: Willie Wright  
 Discussant(s): Rashad Shabazz, The University of Vermont  
 Panelists: LaToya Eaves, Florida International University; Priscilla McCutcheon, University of Connecticut; Aretina Hamilton, University of Kentucky

**3664. Studying the Life Course: Concepts, Practices, Methods, and Implications (Sponsored by Geographic Perspectives on Women Specialty Group, Population Specialty Group)**

**Room:** *Wright, Hyatt, West Tower, Silver Level* (Panel Session)  
 ORGANIZER(S): Janice Monk, University of Arizona; Irene Hardill, Northumbria University  
 CHAIR(S): Janice Monk, University of Arizona  
 Panelists: Tovi Fenster, Tel Aviv University; Suzanne Davies Withers, University of Washington; Nancy Worth, McMaster University; Irene Hardill, Northumbria University

**3665. Food Politics and The Agrarian Question II (Sponsored by Rural Geography Specialty Group, Socialist and Critical Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

**Room:** *Michigan A, Hyatt, East Tower, Ped Path* (Paper Session)  
 ORGANIZER(S): Evan Weissman, Syracuse University; Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition  
 CHAIR(S): Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition  
**5:20** Caela O'Connell\*, University of North Carolina - Chapel Hill - Chapel Hill, NC; Andrew Ofstehage, University of North Carolina - Chapel Hill, NC; Justine Williams, University of North Carolina - Chapel Hill, NC, *An Anthropological Approach to Agrarian Change: Realizing plurality and relationality within agrarian transitions in Caribbean and South America communities.*  
**5:40** Renata Blumberg\*, Montclair State University, *Is There a Peasant Way? Food Sovereignty and Agrarian Transitions in Eastern Europe.*  
**6:00** Laurel Bellante\*, University of Arizona, *Small Farmers in a Changing World: (Re)-Enrolling the Mexican Peasantry for a Food Secure Future.*  
**6:20** Easter Chigumira\*, University of Oregon, *Political Ecology of Agrarian Transformation: The Nexus between Mining and Agriculture, Sanyati District, Zimbabwe.*  
 Discussant(s): E. Melanie DuPuis, UC Santa Cruz

**3666. Time Series Image Processign and Analysis (II) (Sponsored by Remote Sensing Specialty Group)**

**Room:** *Michigan B, Hyatt, East Tower, Ped Path* (Paper Session)  
 ORGANIZER(S): Qihao Weng, Indiana State University; Peng Fu, Indiana State University  
 CHAIR(S): Peng Fu, Indiana State University  
**5:20** Caitlin Kontgis\*, UW Madison; Annemarie Schneider, PhD, UW Madison, Center for Sustainability and the Global Environment (SAGE); Mutlu Ozdogan, PhD, UW Madison, Center for Sustainability and the Global Environment (SAGE), *Using Landsat time series data*

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*to understand transitions in rice paddy extent and management in the Vietnamese Mekong River Delta.*

- 5:40** Siyu Fan\*, Eastern Michigan University, *Analyzing the long-term relationship between EVI and meteorological variables using empirical mode decomposition filtering.*

- 6:00** Jessica DeWitt\*, Peter Chirico, USGS; Kate Malpeli, USGS, *Challenges of mapping land use/ land cover change in a post-industrial mining landscape in Cote d'Ivoire.*

- 6:20** Nicholas Nagle\*, University of Tennessee; Oak Ridge National Laboratory, *Dynamic Time Series models for Modis NDVI Time Series.*

- 6:40** Hsiao-chien Shih\*, San Diego State University; Douglas A. Stow, Professor, San Diego State University, *Determining the type and the starting time of land cover and land use change based on discrete analyses of dense Landsat imagery.*

**3667. Participatory Techniques and Ideas in Developing Regions (Sponsored by Regional Development and Planning Specialty Group)**

*Room:* Michigan C, Hyatt, East Tower, Ped Path (Paper Session)  
ORGANIZER(S): Zachary A. Jones, Eastern Michigan University

- CHAIR(S): Zachary A. Jones, Eastern Michigan University  
**5:20** Hillary Smith\*, University of North Carolina Chapel Hill; Lauren Persha, University of North Carolina Chapel Hill, *Disaggregating Institutional Incentives and Outcomes; Evidence from Participatory Forest Management in Tanzania.*

- 5:40** Jean-Pierre CHERY\*, AgroParisTech, UMR TETIS; Elodie Valette, Cirad, UMR TETIS; Elisa Marraccini, PICAR-T UP 2012-10-103, Institut polytechnique LaSalle Beauvais; Sylvie Lardon, INRA & AgroParisTech, UMR Métafort, *Designing and conducting territorial perspective: evidence from two case studies in the Mediterranean.*

- 6:00** Nilton Ricoy Torres, Prof.\*, University of Sao Paulo, *Governmentality and Participatory Planning: The case of Sao Paulo.*

- 6:20** Ana Paula Pimentel Walker, PhD, Assistant Professor\*, University of Michigan, Ann Arbor, *The crisis in participatory planning and the Brazilian protests: an emerging paradigm for autonomous urban governance?.*

**3668. Our future food- and fuel-scapes (III): Methods for mapping agricultural land-use change in the United States (Sponsored by Rural Geography Specialty Group, Remote Sensing Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)  
ORGANIZER(S): Tyler J. Lark, University of Wisconsin - Madison; Holly Gibbs, University of Wisconsin-Madison

- CHAIR(S): Holly Gibbs, University of Wisconsin-Madison  
**5:20** J. Meghan Salmon-Tumas, PhD\*, University of Wisconsin-Madison; Holly K Gibbs, PhD, University of Wisconsin-Madison; Annemarie Schneider, PhD, University of Wisconsin-Madison, *Estimating Land Cover Change with Remote-sensing Products: Techniques to Reduce Error.*

- 5:40** Lin Yan\*, Geospatial Science Center of Excellence, South Dakota State University, *Mapping and monitoring field sizes from satellite time series.*

- 6:00** Patrick Willis\*, USDA - NASS, *Using the USDA NASS Cropland Data Layer to Examine Crop Specific Planting Trends.*

- 6:20** David Paul Lusch, Ph.D.\*, Michigan State University, *Fruit crop classification accuracy of the 2011 Cropland Data*

*Layer in New York, Michigan and Washington..*

- 6:40** Jon Dewitz\*, United States Geological Survey, *Updates and insights from the National Land Cover Dataset team.*

**3669. Cities, Housing, and Global Financial Crisis**

*Room:* Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Howard Tenenbaum, Simon Fraser University

- 5:20** Kyle Willmott\*, Simon Fraser University; Debra Mackinnon\*, Queen's University, *Enacting 'Post Bankruptcy': Tracing Exit Strategies in Detroit and Stockton.*

- 5:40** Aisling McCourt\*, *Empty Homes Research in North West England.*

- 6:00** Sarah Payne, PhD\*, University of Sheffield, *Housing Market Recovery & Institutional Transitions In UK Speculative Housebuilding.*

- 6:20** Scott Baum\*, Griffith University, *Stable, rising or sliding: an analysis of economic prosperity across Australia's settlement system.*

- 6:40** Howard Tenenbaum\*, Simon Fraser University, *The Impact of U.S. Banking Regulator Assisted Mergers on Accessibility to Bank Branch Offices.*

**3670. Physical Geography Poster Session (Sponsored by Symposium on Physical Geography Theme)**

*Room:* Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)

See pages 244-252.

**3675. Current Events Roundtable: The Occupy Central/Umbrella Movement in Hong Kong (Sponsored by Political Geography Specialty Group, China Specialty Group, Asian Geography Specialty Group)**

*Room:* Lucerne 3, Swissôtel, Lucerne Level (Panel Session)

ORGANIZER(S): Alexander B. Murphy, University of Oregon; George C.S. Lin, University of Hong Kong

CHAIR(S): Alexander B. Murphy, University of Oregon

Panelists: Yue Mam Yeung, Chinese University of Hong Kong; Cindy Fan, UCLA; Roger C.K. Chan, The University of Hong Kong; Wing-shing Tang, Hong Kong Baptist University; George C.S. Lin, University of Hong Kong

**3676. The Changing Retail/Real Estate Landscape: Super-regional Shopping Centers, Issues and Their Future (Sponsored by Business Geography Specialty Group)**

*Room:* Alpine 1, Swissôtel, Lucerne Level (Panel Session)

ORGANIZER(S): Brett J. Lucas, City of Cheney, WA

CHAIR(S): Brett J. Lucas, City of Cheney, WA

**3677. Spatiotemporal Symposium: Urban dynamics (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)**

*Room:* Alpine 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Min Sun, George Mason University; Keith

C. Clarke, University of California, Santa Barbara; Chaowei Yang, George Mason University

CHAIR(S): Keith C. Clarke, University of California, Santa Barbara

- 5:20** Ondrej Mulicek\*, Masaryk University; Robert Osman\*, Masaryk University, *Network Time-spaces: Technologies and Urban Chronopolis.*

- 5:40** Laure Charleux\*, University of Minnesota Duluth, *Using accessibility to urban opportunities during transfer times in the assessment of public transit efficiency..*

- 6:00** Shuli Zhou\*, Haiyan Tao; Suhong Zhou; Li Zhuo, *The simulation of urban expansion under public participation-a case study of Panyu District in Guangzhou.*

- 6:20** Li Gong\*, Institute of Remote Sensing and Geographical Information Systems, Peking University, Beijing

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100871, China; Yu Liu, Institute of Remote Sensing and Geographical Information Systems, Peking University, Beijing 100871, China, *Uncovering City Dynamics Based on Multiple Spatio-temporal Data.*

**3678. Watersheds and Biodiversity**

Room: Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Bohua Ling

**5:20** Bohumil M. Svoma, PhD\*, University of Missouri, *Sublimation from two Macroscale Central Arizona Watersheds.*

**5:40** Bing Lu\*, University of Toronto Mississauga; Yuhong He, University of Toronto Mississauga, *Evaluating PROSPECT and PROSAIL model for estimating chlorophyll content in a mixed grassland prairie.*

**6:00** Bohua Ling\*, Douglas G. Goodin, Kansas State University; Anthony Joern, Kansas State University; Edward J. Raynor, Kansas State University, *Fire and Grazing Effects on Canopy Nitrogen in Tallgrass Prairie.*

**6:20** Sean McCartney\*, Clark University; Florencia Sangermano, Ph.D., Advisor, *Gap analysis of hotspots of endemic diversity and protected areas in the Dominican Republic.*

**6:40** Beth Tellman, MS\*, Arizona State; Rob McDonald, PhD, The Nature Conservancy; Josh Goldstein, PhD, The Nature Conservancy, *Think before you leap: new techniques for a rapid assessment to identify Latin American cities where natural infrastructure mitigates water security risks..*

**3679. Precarious Geographies (III) Sites of Resistance, Resilience and Response**

Room: St. Moritz, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Mel Nowicki, Royal Holloway, University of London; Ella Rhea Selene Harris, Royal Holloway, University of London

CHAIR(S): Mel Nowicki, Royal Holloway, University of London

**5:20** Cordelia Freeman, BA, MA\*, University of Nottingham, *¡Podemos! Citizen Mobilization and the Fight Against Precarity on Chile's Northern Border.*

**5:40** Kirsten Forkert, PhD\*, Birmingham City University, *Localism as a response to precarity?.*

**6:00** Geoffrey P. DeVerteuil\*, Cardiff University, *Precarity and a critical resilience of the residuals.*

**6:20** Ashley Coles\*, Georgia Southern University, *Precarity and Hazards.*

Discussant(s): Mel Nowicki, Royal Holloway, University of London

**3680. Animal Minds (Sponsored by Animal Geography Specialty Group)**

Room: Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Henry Buller

CHAIR(S): Henry Buller

**5:20** Harvey Neo, Dr\*, Department of Geography, National University of Singapore, *of Jaws and Flipper: Space, sentience and the ethics of human/marine animal relationality.*

**5:38** Franklin Ginn\*, University of Edinburgh, *Plant Subjects?.*

**5:56** Mara Miele\*, Cardiff University; Alain Boissy, INRA-Clermont Ferrand-FR, *The glass is half empty for animals after a stressful experience..*

**6:14** Rosemary-Claire Collard\*, Concordia University; Kathryn Gillespie, University of Washington, *What is ethical practice in multispecies fieldwork?.*

**6:32** Henry Buller\*, University of Exeter, UK; Tom Buller, University of Illinois, *Consciousness, the animal and non-human minds: arguments for a cross-disciplinary research agenda.*

**6:42** Kim J Ward, PhD\*, Plymouth University, *The role of human-(farm)animal relations in 'active' planning for*

*health and biosecurity.*

**3681. Animal Movement: Bison Elk and Bears**

Room: Verbier, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Rebecca Loraamm

**5:20** Dawn M. Nekorchuk, MSPH\*, University of Florida; Lillian R. Morris, MS, University of Florida; Valpa Asher, Turner Enterprises, Inc.; David L. Hunter, DVM, Turner Enterprises, Inc.; Kelly M. Proffitt, Ph.D., Montana Department of Fish, Wildlife, and Parks; Wayne M Getz, Ph.D., D.Sc., University of California, Berkeley; Jason K Blackburn, Ph.D., University of Florida, *Evaluating bison, Bison bison bison, and elk, Cervus elaphus, diel movement patterns during the anthrax risk period in southwestern Montana.*

**5:40** John Lawrence Davenport, PhD\*, Oklahoma State University, *Confabulating The Old West: Rangeland Restoration and Bison Reintroduction in the Montana High Line.*

**6:00** Robin Olive Kite\*, University of Victoria; Trisalyn Nelson, Dr, University of Victoria; Gordon Stenhouse, Foothills Research Institute Grizzly Bear Program; Chris Darimont, Dr, University of Victoria, *Linking grizzly bear (Ursus arctos) near-road movement patterns to mortality and survival.*

**6:20** Rebecca Loraamm\*, University of South Florida; Joni Downs, University of South Florida, *A wildlife movement approach to optimally locate wildlife crossing structures.*

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**3713. Business Geography Specialty Group Business Meeting (Sponsored by Business Geography Specialty Group)**  
*Room: Columbus AB, Hyatt, East Tower, Gold Level (Meeting Session)*

**3714. Urban Studies Annual Lecture**  
*Room: Columbus CD, Hyatt, East Tower, Gold Level (Paper Session)*  
 ORGANIZER(S): Tony O'Sullivan, Urban Studies Journal  
 CHAIR(S): Tony O'Sullivan, Urban Studies Journal  
**7:15** Elvin K. Wyly\*, University of British Columbia,  
*Turner's Noösphere: Planetary Urban Frontiers of Gentrification.*  
 Introducer: Tony O'Sullivan  
 \*\*\* Continued into next slot, 3814

**3716. Canadian Studies Specialty Group Business Meeting (Sponsored by Canadian Studies Specialty Group)**  
*Room: Columbus G, Hyatt, East Tower, Gold Level (Meeting Session)*

**3717. Economic Geography Specialty Group Business Meeting (Sponsored by Economic Geography Specialty Group)**  
*Room: Columbus H, Hyatt, East Tower, Gold Level (Meeting Session)*

**3719. Environmental Perception and Behavioral Geography Specialty Group Business Meeting (Sponsored by Environmental Perception and Behavioral Geography Specialty Group)**  
*Room: Columbus KL, Hyatt, East Tower, Gold Level (Meeting Session)*

**3725. Latin America Specialty Group Business Meeting (Sponsored by Latin America Specialty Group)**  
*Room: Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Meeting Session)*

**3726. Geomorphology Specialty Group Business Meeting (Sponsored by Geomorphology Specialty Group)**  
*Room: Grand Suite 3, Hyatt, East Tower, Gold Level (Meeting Session)*

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**3813. Hazards, Risks, and Disasters Specialty Group Business Meeting (Sponsored by Hazards, Risks, and Disasters Specialty Group)**  
*Room: Columbus AB, Hyatt, East Tower, Gold Level (Meeting Session)*

**3814. Urban Studies Annual Lecture**  
*Room: Columbus CD, Hyatt, East Tower, Gold Level (Paper Session)*  
 This session is a continuation of the previous timeslot, 3714.

**3816. Geography of Religions and Belief Systems Specialty Group Business Meeting (Sponsored by Geography of Religions and Belief Systems Specialty Group)**  
*Room: Columbus G, Hyatt, East Tower, Gold Level (Meeting Session)*

**3817. Indigenous Peoples Specialty Group Business Meeting (Sponsored by Indigenous Peoples Specialty Group)**  
*Room: Columbus H, Hyatt, East Tower, Gold Level (Meeting Session)*

**3819. Middle East Specialty Group Business Meeting (Sponsored by Middle East Specialty Group)**  
*Room: Columbus KL, Hyatt, East Tower, Gold Level (Meeting Session)*

**3825. Cultural and Political Ecology Specialty Group Business Meeting (Sponsored by Cultural and Political Ecology Specialty Group)**  
*Room: Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Meeting Session)*

**3827. Landscape Specialty Group Business Meeting (Sponsored by Landscape Specialty Group)**  
*Room: Grand Suite 5, Hyatt, East Tower, Gold Level (Meeting Session)*

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

*For special events, please see the Special Events & Meetings Summary on pages 56-60.*

**AAG 2015 Mobile App**  
*for iOS, Android and Blackberry*



# FRIDAY, APRIL 23 • POSTER SESSION

## Geographic Information Science and Technology (GIS&T) Poster Session

Room: Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)

Casual Viewing Time: 9:30 a.m. - 11:30 a.m. (presenters not required to stand by posters)

Poster Session Coffee Break and Snacks: 11:30 a.m. - 1:30 p.m. (presenters please stand by your posters)

Poster set-up time: 9:00 a.m. - 9:30 a.m.

Bereketab Lakew\*, NYSPI- Columbia University; George J. Musa, NYSPI - Columbia University; William Keating, Hunter College; Larry Amsel, NYSPI - Columbia University; Judy Wicks, NYSPI - Columbia University; Ruth Eisenberg, NYSPI - Columbia University; Tyler Sylk, NYSPI - Columbia University; Bensheng Ouyang, NYSPI - Columbia University; Christina W. Hoven, NYSPI - Columbia University, *Self-Organizing Maps of Child Psychiatric Symptoms*.

Sheldon G. Waugh, MSc.\*, University of Florida, *Geo-Spatial Risk Modeling for West Nile Virus in Tarrant County, TX Using Environmental and Demographic Data*.

Mark Roberts\*, Oregon State University, *Hazardous Air Pollutant Exposure and Childhood Cancer in Texas*.

Sattam Alshogoor\*, Mutah University, *Using Geographic information systems in the study of the impact of topography contrast on the thermal comfort months in Jordan*.

Erik Ahl\*, University of Colorado Denver, *General Nature and Distribution of Biological Soil Crusts in Alpine Environments*.

Crystal Johnson\*, ETSU, *Manganese, Iron and Kriging: How GIS Can Be Used to Detect the Unknown*.

Shubhechha Thapa\*, Texas A&M University; Michael P. Bishop, Texas A&M University, *Morphographic mapping of mountain topography in the Nepalese Himalaya*.

Guoqian Yan\*, University of Florida; Corene Matyas, University of Florida, *Spatial Rainfall Distribution of Different Hurricane*.

Anthony Winters\*, Bridgewater State University, *How Baker Beat Coakley: A Spatial Analysis of the 2014 Massachusetts Gubernatorial Election*.

Jeremiah J. Nieves\*, University of Louisville; Forrest Stephens, PhD., University of Louisville; Andrea Gaughan, PhD., University of Louisville, *WorldPop Global Population and Urban Extents Mapping Using Google Compute Engine*.

Jeong C. Seong\*, University of West Georgia, *AVUNIV - An Online Remote Sensing Course*.

Xiaojun Yang\*, Florida State University; Xiuwen Liu, Dept of Computer Science, Florida State University, *Multi-temporal Remote Sensing for Ecosystem Monitoring: A Research Agenda*.

Mitchell Bragert\*, University of North Dakota; Bradley Rundquist, Ph.D., University of North Dakota; Eric S. Plummer, University of North Dakota, *Simulating UAS Photography to Digitally Reconstruct a Traffic Accident Scene using Structure from Motion*.

Timothy Warner\*, West Virginia University, *West Virginia View: An AmericaView statewide remote sensing consortium*.

Brad Peter\*, Michigan State University, *Spatiotemporal Agricultural Variability in Malawi*.

Chris J. Petzold\*, Fort Hays State University; Joel Iman, Fort Hays State University, *Remote Sensing Using Unmanned Aerial Vehicle and a Modified GoPro HERO4 to Detect Crop Health*.

Tim Condon\*, University of Wisconsin - Eau Claire, *Evaluating Forest Health Change in the Subalpine Environment of Mount Hood, Oregon*.

Dandan Xu\*, Department of Geography and Planning, University of Saskatchewan; Xulin Guo, Department of Geography and Planning, University of Saskatchewan, *Evaluating the impacts of 30 years' grassland conservation using Landsat TM images*.

Benjamin Page\*, University of Georgia, *A Cloud Infrastructure for Early Detection of Cyanobacterial Harmful Algal Blooms*.

Roberta MacDonald\*, University of North Dakota; Jeffrey A. VanLooy, Ph.D., University of North Dakota; Gregory S. Vandeberg, Ph.D., University of North Dakota, *Analysis of changing glacial conditions and melt water contribution to stream flow in the Wind River Range, Wyoming: 1966-2012*.

Lei Chen\*, Jilin University; Shengbo Chen, Jilin University; Xulin Guo, University of Saskatchewan; Chao Zhou, Jilin University, *Impact factor analysis of mixture spectra disassembling based on the method of Independent Component Analysis*.

Kyle Mullen\*, Minnesota State University, *The Mountain Pine Beetle Infestation of the Ponderosa Pine Forest in the Black Hills of South Dakota: Mapping and Earlier Detection*.

Kangsang Lee\*, Kyung Hee University; Jinmu Choi, Kyung Hee University, *Time-series Shoreline Change Rate Estimation and Mapping using UAV-system : A Case Study of Baramarae Beach, South Korea*.

Carolynne Hultquist\*, Pennsylvania State University, *Machine Learning for Post-fire Burn Severity Assessment in Diseased Forests*.

Ryan Richardson\*, University of Wyoming, *Increasing spatial extent of fluvial remote sensing techniques to evaluate salmon habitat on Wild and Scenic Rivers in California*.

Anthony M. Filippi\*, Texas A&M University; Inci Güneralp, Texas A&M University, *Effect of Shadow-Removal Preprocessing on Riverine Image Classification*.

J.M. Shawn Hutchinson\*, Department of Geography, Kansas State University; Anne Jacquin, Université de Toulouse, INPT, Ecole d'Ingénieurs de Purpan; Bryanna Pockrandt, Department of Geography, Kansas State University; Nicholas Bloedow, Department of Statistics, Kansas State University; Leigh Murray, Department of Statistics, Kansas State University, *Sensitivity of TIMESAT-derived Phenometrics to Adaptive Savitzky-Golay Filters Applied to MODIS Time Series Data*.

Buddhi Raj Gyawali, PhD\*, Kentucky State University; Andrew Gott, Kentucky State University; Ken Bates, Kentucky State University; Kirk Pomper, Kentucky State University, *Study of Pawpaw Habitats using High Resolution Airborne Imageries and GIS in Kentucky*.

Dustin P. Bergman\*, Northern Illinois University; Thomas J. Pingel, Ph.D., Northern Illinois University, *Using LiDAR to Measure the Urban Forest in DeKalb, Illinois*.

Amy Phillips\*, Clark University; John Rogan; Arthur Elmes; Deborah Martin, *Urban tree inventory in the Massachusetts Asian Longhorned Beetle Regulation Zone: Integrating field plot, IKONOS-2 and LIDAR data*.

Jason Yang\*, Ball State University; Qi Wang, Taiyuan Land and Resources Bureau, Taiyuan, Shanxi, China 030001; Junyan Yang, Taiyuan Land and Resources Bureau, Taiyuan, Shanxi, China 030001, *Urban Land Feature Extraction from Landsat TM Image Using Decision Tree*.

Diane Snediker\*, US Census Bureau; Douglas Gevedt, US Census Bureau, *Redefining the Digital Divide: The Impact of Changes in Rural Definitions for E-Rate Discount Eligibility*.

Bailey Jo Bubach\*, Harold Hamm School of Geology and

# FRIDAY, APRIL 23 • POSTER SESSION

- Geological Engineering University of North Dakota; Michael Niedzielski, Assistant Professor, Department of Geography University of North Dakota, *Geospatial Analysis of Unconventional Rock Units, Using Conventional Methods*.
- Sean L. McFall\*, College of William & Mary; Matthias Leu, The College of William & Mary; Benoit Parmentier, University of Maine, *Geostatistical Interpolation of Primary and Secondary Automobile Traffic Volume Across the Contiguous United States Using GIS*.
- Michael James Madsen\*, University of Northern Iowa, *Process of spatial analysis and organization of Rangifer ARGOS data*.
- Dudley Bonsal\*, University of Minnesota, *Mapping aircraft noise exposure in Minneapolis: A focus on spatiotemporal clustering and cyclic time patterns*.
- Ibrahim O. Alshwesh\*, Qassim University, *GIS-based Interaction of Location Allocation Models with Areal Interpolation Techniques*.
- Rachel A. Snively\*, The University of Texas at Austin, *Spatiotemporal characterization of mountain pine beetle infestation in Colorado*.
- Nicholas Gilroy\*, University of Denver, *Volunteered Geographic Information: Analyzing Cycling Activity and Mobility in Denver, Colorado*.
- Tiffany Huff\*, Texas Christian University, *The Changing Geodemographics of Students at Texas Christian University, 2005-2014*.
- Thuso Motselane\*, University of Oklahoma; Benjamin Ignac, University of Oklahoma; Marankiso Phooko, University of Oklahoma, *Space, Time & Crime: A Spatiotemporal Analysis of Criminal Activities on the Campus of the University of Oklahoma*.
- Brian M. Birchler\*, Northwest Missouri State University, *Toponym Landscapes of Nebraska*.
- Zuoqi Chen\*, Bailang Yu, Yingjie Hu, Chang Huang, Kaifang Shi, Jianping Wu, *Estimating House Vacancy Rate in Metropolitan Areas using NPP-VIIRS Nighttime Light Composite Data*.
- Eric Lane\*, Tacoma Housing Authority; Sheryl Stansell, Tacoma Housing Authority; Cory Darrow, University of Washington - Tacoma, *GIS and Fair Housing Compliance*.
- Guo-qin ZHANG\*, Institute of Urban Environment, Chinese Academy of Sciences; Tao Lin, Institute of Urban Environment, Chinese Academy of Sciences, *Spatial source apportionment of urban green house gas emission, a case study of Xiamen City, China*.
- Michael Eggert\*, Illinois State University; Rex Rowley, Illinois State University; Eric Peterson, Illinois State University, *Chloride Levels in Illinois Rivers and Streams*.
- Marissa Defratti\*, Penn State University; Ross Caruso, Penn State University, *Bushfires in Australia: Adapting to Future Risk*.
- Mariana Barreto Alfonso\*, University of Georgia; Jill Gambill\*, University of Georgia; Jason Evans, Stetson University, *Visualizing Climate Change: Strategic Communications, Graphic Design and GIS as a Tool in Climate Adaptation Planning*.
- Lauren Elyse Gentile, MELP\*, Arizona State University, *Sea, Sand, and Storms: The Biophysical Vulnerabilities of a Barrier Island*.
- Lauren E. Goddard, Graduate Student\*, University of Memphis; Arleen A. Hill, Associate Professor, University of Memphis; Zebulon C. Wallace, Graduate Student, University of Memphis, *Spatial Analysis of Flood Vulnerability and Impacts in Memphis, TN*.
- Sara Abuzied\*, Center for Spatial Analysis, University of Oklahoma, Norman, USA; May Yaun, Program of Geospatial Information Science, University of Texas at Dallas, USA; Samia Ibrahim, Geology Department, Suez Canal University, Ismailia, Egypt; Mona Kaiser, Geology Department, Suez Canal University, Ismailia, Egypt; Tarek Selem, Geology Department, Suez Canal University, Ismailia, Egypt, *An Integrated Approach of Remote Sensing and GIS Techniques for Landslide Susceptibility Assessment in Nuweiba area, Gulf of Aqaba, Egypt*.
- Zebulon C. Wallace, Graduate Student\*, University of Memphis; Arleen A. Hill, Associate Professor, University of Memphis; Lauren E. Goddard, Graduate Student, University of Memphis, *Social Vulnerability and Flood Disruption: Exploring the Relationship*.
- Michael Brady\*, Rutgers University Geography, *Mapping Community Exposure to Coastal Climate Hazards in the U.S. Arctic Using Mixed Research Methods*.
- Michael Bomber\*, UWEC, *Fire Susceptibility Comparison of Crater Lake National Park and Umpqua National Forest*.
- Stacey Vernon\*, *Estimating potential economic losses and producing a risk assessment for earthquakes in Charleston, South Carolina and hurricanes in New Orleans, Louisiana: An examination of FEMA's Hazus model*.
- Daniel Cortes Medellin, Lic. Geo.\*, Universidad Autónoma de San Luis Potosi; Damiano Sarocchi, PhD, Universidad Autónoma de San Luis Potosi; Lorenzo Borselli, PhD, Universidad Autónoma de San Luis Potosi; Azalea Judith Ortiz Rodriguez, MC, Universidad Autónoma de San Luis Potosi; Edgar Gregorio Leija Loreda, MC, Universidad Autónoma del Estado de Hidalgo, *Spatial Distribution of the Total Risk Index and its application in evaluating the multi-threat related to the eruptive activity of the Colima volcano. (Preliminary results)*.
- Zakkiyyah Shah\*, Lehman College, *Climate Change and Urban Systems Mapping the Mobilization of Pollutants due to Flooding and the Concomitant Potential to Public Health and Other Societal Impacts in Two Coastal Cities (New York, NY, and San Juan, PR)*.
- Michelle C. Graham\*, SUNY Geneseo, *Historical GIS Analysis of Iroquoian and Pioneer Settlement Sites in New York State*.
- Alexis Thomas\*, University of New Orleans, *A Historical Geography of Grand Isle, Louisiana*.
- Danielle Yaste\*, Gustavus Adolphus College, *Hazards of Being Human: GIS Analysis of Human Trafficking in Uganda*.
- Michael Endicott\*, Rutgers University, *Using GIS to assess fishery communities' responses to shifts in Summer Flounder populations due to climate change*.
- Amanda Coleman\*, Northeastern State University; Tiffany Copeland, Northeastern State University, *Crime Mapping in Cherokee Nation, Oklahoma*.
- Brisa Urquiza De Hernandez\*, Carolinas Healthcare System, Department of Family Medicine, *A Community-Based Participatory Approach to Connect Vulnerable Populations Living in Geographically Distinct Neighborhoods to Primary Care and Social Services*.
- Diane M. Styers, PhD\*, Western Carolina University; Lee K. Cerveny, PhD, US Forest Service, Pacific Northwest Research Station; R. Blake Barnett, Western Carolina University; G. Rebecca Dobbs, PhD, Western Carolina University, *Mapping Human-Environment Interactions for Land-use Planning and Resource Management in Western North Carolina*.
- Chelsea Richardson\*, Virginia Commonwealth University, *Comparative assessment of land cover change within a riparian buffer zone and its watershed*.
- Meagan Elizabeth McWhirter\*, Western Illinois University, *The effects of multi-scale landscape contexts and category hierarchies on land change modeling*.
- Brandon Kenneth Bohks\*, Minnesota State University, *Brook Trout in Minnesota's Driftless Area: The Impact of Land Use and Land Cover, 1850-2010*.

## FRIDAY, APRIL 23 • POSTER SESSION

- Patrick Danielson\*, Stinger Ghaffarian Technologies (SGT), Contractor to the U.S. Geological Survey (USGS) Earth Resources Observation and Science (EROS) Center); Limin Yang, Consultant to Stinger Ghaffarian Technologies (SGT), Contractor to the U.S. Geological Survey (USGS) Earth Resources Observation and Science (EROS) Center; Suming Jin, InuTeq, Contractor to the U.S. Geological Survey (USGS) Earth Resources Observation and Science (EROS) Center; Collin Homer, U.S. Geological Survey (USGS) Earth Resources Observation and Science (EROS) Center, *Comparison of NLCD 2006 and 2011 to identify five years of land cover change in five Ecoregions of the United States.*
- Bharath Ganesh Babu\*, Valparaíso University; Domenico Libreri, Valparaíso University; Cassandra Kluse, Valparaíso University; James Huff, Valparaíso University; Jana Cram, Valparaíso University, *Analysis of Vegetation Change In The Indiana Dunes Lakeshore Region Using Four Band NAIP Data From 2008-2012.*
- Lindsay N Deel\*, West Virginia University; Brenden E McNeil, West Virginia University, *Using fine-resolution satellite imagery and field data to assess forest damage following Superstorm Sandy.*
- Claire Jantz\*, Shippensburg University; Maegan Ferry, Shippensburg University; In-Young Yeo, University of Maryland; Megan Lang, US Forest Service; Quintin Stubbs, University of Maryland, *Modeling the vulnerability of wetlands to urban development: a case study on the Delmarva Peninsula.*
- Chaoyi Chang\*, *An Integrative Method for Mapping Socioeconomic Attributes in Kunming, China: Some Sociopolitical Implications.*
- Nahir Cabrera\*, Nahir Cabrera-Valentin, *Drainage Basin Delineation and Land Use Changes at the Río Grande de Manatí and Río Loco Watersheds (1997 and 2010).*
- Julia A. Domenech, MS\*, Mississippi State University, *Sediment Mapping of the Ventura River Using Multispectral Sensors.*
- Kevin Hauser\*, SUNY - Geneseo, *Participation in the Oak Tree Half Marathon & 5K.*
- Carleigh Snead\*, College of William and Mary, *Visualizing Foreign Aid Allocation in Peru.*
- Jessica Bagtas\*, Rutgers University; Steven Gryszel\*, Rutgers University, *Using GIS to Assess Fishing Community Composition, Territories of Use, and Change in the Northeast.*
- Saeid Delnavaz\*, Aref Aghaei Hervani, *Application of GIS to analyze the retirement security issues for low income minorities in Chicago.*
- Zutao Yang\*, Michigan State University; Changliang Shao; Housen Chu; Becker Richard, University of Toledo; Jiquan Chen, Michigan State University; Bridgeman Thomas, University of Toledo; Carol Stepien, *Relating Chlorophyll-a to CO<sub>2</sub> flux in the western Lake Erie at multiple time scales.*
- Victoria Yeager\*, Julie Amy Snow; Ashley Beal; Jack Livingston, *Examination of Mercury Concentration and Atmospheric Wind Movement in the Great Lakes Region.*
- Yasiel Figueroa\*, University of Puerto Rico, *Measuring the effectiveness of an erosion control practice for watershed management: The case of Hydroseeding in Puerto Rico.*
- Benjamin G. Bruening\*, University of Wisconsin - Stevens Point, *Examining historic tax parcel and land-use/land-cover change to help protect public lands in Bayfield County, Wisconsin.*
- Joshua Donato\*, Minnesota Population Center, *Big Spatial Data.*
- Brad A. Bays\*, Oklahoma State University, *How to Find Old Barns with Old Maps.*
- James E. Burt\*, University of Wisconsin-Madison; Yuying Chen, University of Wisconsin-Madison; Gregory Furnette, United States Geological Survey, *Mining for Mines: Automated Feature Detection in Historical USGS Quadrangles.*
- Paul B.T. Merani\*, University of Nebraska-Lincoln; Lawrence A. Vrtiska, Nebraska Military Department; Sunil Narumalani, Ph.D., University of Nebraska-Lincoln, *Predicting Least Tern and Piping Plover nesting population at local scale along the Lower Platte River, Camp Ashland, Nebraska.*
- Daniel Christofano\*, Eastern Washington University; Michael Aaron Snyder, Eastern Washington University; Matthew Anderson, Eastern Washington University; Susan Gilbertz, Montana State University, Billings; Jamie McEvoy, Montana State University, *The Energy Water Health Nexus: Using GIS to Examine the Links between Hydraulic Fracturing and Water Contamination in Eastern Montana.*
- Shu Liu\*, Jilin University; Qigang Jiang, Jilin University; Kaiguang Zhao, The Ohio State University, *Study of Spatial and Temporal Evolution of Wilkins Ice Shelf and its Relationship with the Environmental Factors Based on Remote Sensing and Geographic Information System Techniques.*
- Megan Quinlan\*, University of North Dakota; Austin Braget, University of North Dakota; Bradley Rundquist, University of North Dakota; Michael Niedzielski, University of North Dakota; Sebastian Braun, University of North Dakota, *Development of a Web-Based GIS to Support Decision-Making on the Fort Berthold Reservation, North Dakota.*
- Norberto Quinones\*, SUNY - Binghamton, *Potential areas to locate Gracilaria tikvahiae and Sargassum polyceratum macroalgae mariculture systems in marine waters around Puerto Rico: A Geographic Information Systems (GIS) Approach.*
- Ryan Meier\*, Central Michigan University; Kyle Clem\*, Central Michigan University; Yong Q. Tian, Ph.D., Central Michigan University, *Development, Interface, and Capabilities of a Terrestrial DOC Model with Heterogeneous Inputs.*
- Susan M. Berta, Ph.D.\*, Indiana State University; Brian Cox, Indiana State University; Vijay Lulla, Ph.D., Indiana University-Purdue University-Indianapolis, *Potential GIS Assistance with Land Conservancy.*
- Andrew Brown\*, Minnesota State University, Mankato; Carson Smith, Minnesota State University, Mankato; Ronald Schirmer, Ph.D., Minnesota State University, Mankato; Phillip H Larson, Ph.D., Minnesota State University, Mankato, *Archeology and Landscape Geomorphology in Three Dimensions: Integrating Photogrammetrically- and LiDAR-Derived Point Clouds for Multi-Scale 3D Analyses.*
- Zachery D Newton\*, UW-Oshkosh, *Location-Allocation and the German Maritime Search and Rescue Service.*
- Trevor W. Stearns\*, Student, Department of Geography and City & Regional Planning, California State University, Fresno, United States; Mohan B. Dangi, Ph.D., Assistant Professor, Department of Geography and City & Regional Planning, California State University, Fresno, United States; Kevin D. Wichman, Student, Department of Geography and City & Regional Planning, California State University, Fresno, United States; Jeremy Shaw, Student, Department of Geography and City & Regional Planning, California State University, Fresno, United States, *Spatial Analysis of Green Waste Management in Fresno, California.*
- Dasuni Jeewandika Perera Ranapathi Arachchige\*, University of North Dakota; Gregory Vandenberg, Dr, University of North Dakota, *Mapping Flash Flood Potential using GIS and the Flash Flood Potential Index in the Turtle*



## FRIDAY, APRIL 23 • POSTER SESSION

- River and Forest River Watersheds, North Dakota.*  
Michelle Bradburn\*, East Tennessee State University; Andrew Joyner, East Tennessee State University; Ingrid Luffman, East Tennessee State University, *Identifying Tornado Hazard Zones and Associated Intensity Return Periods in the Southeast USA.*
- Allyson Bowden\*, Field Martin; Milo Childs-Campolo; Ryan Naughton, *Geologic Analysis of Livermore Falls.*
- Maryia Bakhtsiyarava\*, University of Minnesota; Minnesota Population Center; Tracy Kugler, University of Minnesota, Minnesota Population Center, *Overview of TerraPop's technique on integrating cartographic administrative boundary data and census data.*
- Katie Caulfield, Undergraduate Student\*, Furman University, Greenville, SC; Suresh Muthukrishnan\*, Furman University, *A GIS Based Modeling of Landslide Hazards and their Potential Impacts on the Local Communities in the Upstate of South Carolina.*
- Xiaomin Qiu\*, Missouri State University; Shuo-sheng Wu, Missouri State University, *Developing A Knowledge-based Sinkhole Database for Sinkhole Hazard Management.*
- Thomas Merrill\*, University of Massachusetts Lowell, *Data Visualization and Interaction for Public Health Program Development.*
- Eric DeLuca\*, University of Minnesota; Ding Fei, University of Minnesota; Bryan Runck, University of Minnesota, *"SeeCTV": a crowdsourced surveillance mapping application.*
- Kathryn Stinebaugh\*, Minnesota Population Center, University of Minnesota, *The Terra Populus Project: Creating GIS boundary data for international spatiotemporal demographic and environmental research.*
- Danielle Preli\*, University of North Dakota; Morgen Burke, University of North Dakota; Lisa Pimentel, University of North Dakota, *Flood Recovery Progress in Grand Forks, North Dakota: Changes since the Red River Flood of 1997.*
- Yao Bertin Kouadio\*, UIUC-Department of Natural Resources and Environmental Sciences, *A Comparison of Triangulated Irregular Networks and Digital Elevation Models.*
- Gebeyehu Mulugeta\*, Chicago State University; John Agada, Chicago State University; Moussa Ayyash, Chicago State University; Kimberly Black-Parker, Chicago State University, *Integrating Geospatial Intelligence into Chicago State University's Intelligence Community Center of Academic Excellence Curricula.*
- Michael DeBoer\*, University of Nebraska at Omaha; Michael James DeBoer, University of Nebraska at Omaha, *Spatial Allocation of Fire Departments.*
- Will McCabe, Undergraduate Student\*, Furman University, Greenville, SC; Suresh Muthukrishnan, Furman University, Greenville, SC; Alicia Powers, Furman University, Greenville, SC, *Mapping "Food Deserts" in Greenville County.*
- Shen YING\*, Wuhan University; Zhou SHEN, Wuhan University; Kai WANG, Wuhan University; You Wan, Wuhan University, *Virtual City Analysis Based on Sina Microblog.*
- Ashley Persaud\*, Hofstra University, *Vegan and Vegetarian Options at Hofstra University.*
- Lindsey Conrow\*, Arizona State University; Heather A. Fischer\*, Arizona State University; Alan T. Murray, Arizona State University, *Siting Bicycle Service Stations in an Urban Area.*
- Wei Cheng\*, University of Hong Kong; Poh-Chin Lai, University of Hong Kong; Benjamin M. Barratt, King's College London, *Three-dimensional Dynamic Modelling of Air Pollution Dispersion In Urban Street Canyons: A Case Study of Hong Kong.*
- Erin Korris\*, USGS, *Crowd Sourcing The National Map.*
- Qifan Nie\*, Department of Geography, University of Alabama, *Spatial Analysis of the Accessibility of the National Highway Network in India.*
- Laura McComb, Undergraduate Student\*, Furman University, Greenville, SC; Suresh Muthukrishnan, Furman University, Greenville, SC; Mike Winiski, Furman University, Greenville, SC, *Future proofing recruitment strategies for Colleges and Universities using a GIS based approach.*
- Melinda Kernik\*, University of Minnesota, *Regions rehashed: Using sensitivity analysis to examine the "geography of opportunity".*
- Ryan Muntz, Saginaw Valley State University; Andrew J. Miller, PhD\*, Saginaw Valley State University; James Bowers, PhD, Saginaw Valley State University, *Assessing the Spatial Mobility of Violent Crime in Saginaw County, MI.*
- Daniel Johnson\*, Saginaw Valley State University; Andrew J. Miller, PhD, Saginaw Valley State University; James Bowers, PhD, Saginaw Valley State University, *A Temporal-Spatial Analysis of Saginaw County 911 Dispatch and Response Times.*
- Lesli M. Rawlings, Assistant Professor\*, Wayne State College, *Training K-12 Nebraska Teachers about Soil Conservation by Developing Esri Story Maps.*
- Susan J. Bergeron\*, Coastal Carolina University, *Mapping Historical Knowledge: utilizing interactive mapping and geovisualization in the undergraduate history classroom.*
- David J. Hill\*, Thompson Rivers University, *Making the Most of Ubiquitous Environmental Measurements.*
- David Koch\*, University of Dubuque, *Spatial dynamics of post-agricultural recovery and vegetative habitat in the Paraguayan dry Chaco.*
- Christina Roush\*, Southern Connecticut State University, *Gearing Up For Adventures: A site suitability analysis of outdoor retailers in Connecticut.*
- Douglas Fuller, Ph.D.\*, University of Miami; Julius R Dewald, University of Miami, Department of Geography and Regional Studies; Whitney A Qualls, Ph.D., Department of Health Sciences, University of Miami; Dayana M Samson, MPH, Department of Health Sciences, University of Miami; Reginald S Archer, Ph.D., University of Miami, Department of Geography and Regional Studies, *High-resolution mapping of important mosquito vectors using Landsat multispectral imagery.*
- Giselle Varrientos\*, University of Wisconsin - Platteville; L Lynnette Dornak, PhD, University of Wisconsin-Platteville; Michael Black, PhD, University of Wisconsin-Platteville, *NanoGIS: Exploring Seed Topography of Native Prairie Plants.*
- Yinghua Zheng\*, Beijing Normal University, Zhuhai; Jiacong Hu, Beijing Normal University, Zhuhai, *The characteristics of spatial and temporal patterns of extreme temperature and precipitation events in Guangdong from 1964 to 2013.*
- Michelle Lenze\*, The Pennsylvania State University; Cynthia A. Brewer, The Pennsylvania State University; David P. Retchless, The Pennsylvania State University, *Updated Lessons for ArcGIS-based Cartography Teaching at Penn State.*
- Tengfei Cui\*, University of Saskatchewan; Xulin Guo, University of Saskatchewan; Lawrence Martz, University of Saskatchewan, *Investigating the effect of compositing periods on estimating of the start of spring (SOS) of grassland within Canadian Prairie Ecozone using 1-km AVHRR NDTV.*
- Michelle Faye Stuhlmacher\*, George Washington University; Mike Squires, National Climate Data Center, NOAA, *Regional Snowfall Index with Decadal Population.*
- Lianqi Zhu\*, Henan Univeristy, *Feature analysis of temperature*

## FRIDAY, APRIL 23 • POSTER SESSION

*change and its trend in Gansu Province during past 50 years, China.*

- Zhiqiang Zou\*, Nanjing University of Posts & Telecommunications; Zhe YU, Nanjing University of Posts and Telecommunications; Yaojie YUE, School of Geography, Beijing Normal University; A-Xing ZHU, Department of Geography, University of Wisconsin-Madison, Madison, Wisconsin, 53706, USA, *Real-time recommendation services based on the geographic location.*
- Grant McKercher\*, Texas Tech University, *A spatial assessment of urban air quality in growing cities using innovative portable sensing techniques: A pilot study.*
- Brent Pesel, Graduate Student\*, Ball State University, *Testing Hospital Capacities for Response to a Mass Casualty Urban Tornado Event.*
- Shrinidhi S. Ambinakudige\*, Mississippi State University, *An analysis of mass balance of glaciers of the conterminous United States.*
- Jason M Ward\*, University of California, Los Angeles, *A Comparison of Methods to Distinguish Between Polynya and Fast Ice Area.*
- Yvonne M. Marsan\*, University of North Carolina Wilmington; Lynn Leonard, University of North Carolina Wilmington; Eman Ghoneim, University of North Carolina Wilmington, *Analysis of sediment deposition processes and patterns in a southeastern North Carolina salt marsh using field data and geospatial technologies.*
- Karen Daniel-Hamberg\*, Wittenberg University; Courtney Van Dyke\*, Wittenberg University, *GIS Analysis of Food Deserts: Case Study Springfield OH.*
- Aidan Ganzert\*, Honglin Xiao, Elon University, *Urban Development Impacts on Glacier Melt - Case study of Jade Snow Mountain in Lijiang, Yunnan, China.*
- Victoria Breeze\*, Michigan State University; Nathan Moore, PhD, Michigan State University, *Shifts in Malawi's Growing Season (1981-2013).*
- Kayla Patel\*, Clark University; John Rogan, PhD, Clark University; Anthony Bebbington, PhD, Clark University, *Mapping extraction related conflicts: Linking participation to vulnerability in Ghana.*
- Rose Tardiff\*, Syracuse University, *A Geospatial Analysis of NOFA-Certified Organic Farms by Type, Diversity, Year Certified, and Relationship to Farmers' Markets, in the Central New York/Finger Lakes Region.*
- Adam Frantz\*, Western Illinois University, *The Influence of Soil Hydrological Properties and Topography on Iowa Corn Production.*
- Stefanie Adeline Hudzik\*, Youngstown State University, *Spatial Occurrence of Northeastern Ohio Bats to Artificial Light Sources.*
- Skyler Schultz\*, Fort Hays State University, *Using Remote Sensing to Assess Vegetation Stress Over Dry-land Conditions in Western Kansas.*
- Jordan Keese, Undergraduate Student\*, Furman University; Suresh Muthukrishnan, Furman University; Mike Winiski, Furman University, *Feasibility of establishing an agricultural greenbelt around Greenville, South Carolina.*
- Meghan Sheehan\*, Miami University, *Analyzing Spatial Distribution Patterns of Wildebeest Populations Within the Maasai Mara National Reserve.*
- Douglas Gevert\*, U.S. Census Bureau; Diane Snediker, U.S. Bureau Of the Census, *Digital Divides and Funding Flexibility: Consequences of Rural Classifications Used for Federal Education Programs.*
- Thomas A. Wikle\*, Oklahoma State University; Jonathan C. Comer\*, Oklahoma State University, *Evaluating Congestion on Aviation Frequencies Near Non-towered Airports in the U.S.*
- Nirmal K Bhagabati, PhD\*, World Wildlife Fund; Adam

Dixon; Nasser Olwero, *Mapping natural capital in Taintharyi, Myanmar to support land use planning.*

- Christopher Robert Allen\*, University of Wisconsin - Parkside, *Pike Creek - From Critical Resource to Forgotten Relic. The Historic Burial of a River in a Great Lakes Town.*
- Melvin Arthur Johnson, Ph. D.\*, University of Wisconsin-Manitowoc, *Invasive Species and Duck Hunting.*
- Joseph Géigel\*, University of Puerto Rico, *Evaluation of Road Network Planning in the San Juan Metropolitan Area.*
- Ashley Floyd\*, Indiana University Purdue University Indianapolis; Jeffrey Wilson, PhD, Indiana University Purdue University Indianapolis; Elizabeth A. Richards, PhD, MSN, RN, CHES, Purdue University; Cheryl Kelly, PhD, MPH, Kaiser Permanente of Colorado; Philip J. Troped, PhD, University of Massachusetts Boston, *Interpreting spatial context in time geography studies: observations from a pilot project on physical activity and the environment.*
- Mark Manone\*, Northern Arizona University; Lori Hare, Northern Arizona University, *Power of Data (POD) to Geographic Connections (GEOCACHE): GST and PBL.*
- Yingbin Liang\*, University of Minnesota; Marius Runde, University of Münster; Peter Zimmerhof, University of Münster; Stefan Fuest, University of Münster; Yilun Lin, University of Minnesota, *LocBro - A Prototype for Location Anonymization.*
- Bradley S. Neish\*, HARC, *Capability of a Mobile Monitoring System to Provide Real-Time Broadcasting and Near Real-Time Source Attribution.*
- Lauren C. Tierney, University of Oregon; James E. Meacham\*, University of Oregon; Alethea Y. Steingisser, University of Oregon; Riley D. Champine, University of Oregon, *Cartographic Design and the Representation of Wildlife Migration.*
- Fritz C. Kessler\*, Frostburg State University, *Celebrating The International Map Year.*
- Emily D. Yates\*, Chicago Botanic Garden, *Maps for Plants: GIS enhances plant conservation at Chicago Botanic Garden.*
- Lee Stocks, PhD\*, Mansfield University; Andrew Shears, PhD, Mansfield University; Nathan Harpster, Mansfield University, *Geophysical and Geospatial Mapping of Tioga County, PA Cemeteries.*
- James R. Carter, Ph.D.\*, Illinois State University, *The surface expression of ice segregation: ice flowers, needle ice, pebble ice and hair ice.*
- Victoria Fast\*, Ryerson University; Claus Rinner, Ryerson University; Blake Byron Walker, Simon Fraser University, *Conceptualizing Volunteered Geographic Information and the Participatory Geoweb.*
- Jinmu Choi\*, KyungHee University; Jinwoo Park, Graduate Student, Geography, Kyung Hee University; Kangsan Lee, Graduate Student, Geography, Kyung Hee University, *Importance of Road Name Address for Line Source Air Pollution Dispersion.*
- Claus Rinner\*, Ryerson University, Geography; Heather Hart, Ryerson University, Geography; Meghan McHenry, Ryerson University, Geography; Carmen Huber, Ryerson University, Geography; Duncan MacLellan, Ryerson University, Politics, *The Role of Maps and Composite Indices in Place-Based Decision-Making.*
- Susanna Diller\*, University of Colorado At Denver Geography, Geology, and Environmental Sciences, *The Relationship of Social Media and Area Marketing in Promoting Boybands.*
- Johnathan B. Bascom\*, Calvin College; Audrey Hughey, Calvin College, *Building a New Online Geography of Ethiopia.*
- Laura Kathryn Wright\*, CDC/ATSDR; Shannon Graham, MA, CDC/ATSDR; Andy Dent, MA, MBA, CDC/ATSDR;

# FRIDAY, APRIL 23 • POSTER SESSION

- Jessica Kolling, MPH, CDC, *Developing a National Chemical Water Quality Index.*
- Kemal Gokkaya\*, *Geographic Visualization of Major Earthquakes in Turkey Between 1900 and 2012.*
- Lindi Seegmiller, MEd\*, Yale School of Forestry and Environmental Studies, Ucross High Plains Stewardship Initiative; Devin C Routh, M.A., Yale School of Forestry and Environmental Studies, Ucross High Plains Stewardship Initiative; Henry B Glick, MEd, Yale School of Forestry and Environmental Studies, Ucross High Plains Stewardship Initiative; Charlie Bettigole, MEd, Yale School of Forestry and Environmental Studies, Ucross High Plains Stewardship Initiative; Catherine D Kuhn, B.A., Yale School of Forestry and Environmental Studies, Ucross High Plains Stewardship Initiative; Chadwick D Oliver, Professor of Forestry and Environmental Studies, Yale School of Forestry and Environmental Studies, Ucross High Plains Stewardship Initiative, *Optimizing Accuracy: A new method to automate post-processing of Mixture-Tuned Matched Filtering remote sensing classification results.*
- Devin C Routh, Graduate Student Researcher\*, Yale School of Forestry and Environmental Studies, Ucross High Plains Stewardship Initiative; Lindi Seegmiller\*, Yale School of Forestry and Environmental Studies, Ucross High Plains Stewardship Initiative; Henry B Glick, MEd, Yale School of Forestry and Environmental Studies, Ucross High Plains Stewardship Initiative; Charlie Bettigole, MEd, Yale School of Forestry and Environmental Studies, Ucross High Plains Stewardship Initiative; Catherine D Kuhn, BA, Yale School of Forestry and Environmental Studies, Ucross High Plains Stewardship Initiative; Chadwick D Oliver, Professor of Forestry and Environmental Studies, Yale School of Forestry and Environmental Studies, Ucross High Plains Stewardship Initiative, *Cloud-based remote sensing for land managers: Developing endmember based classifications in Google Earth Engine.*
- Henry B Glick, MEd\*, Yale School of Forestry and Environmental Studies; Devin C Routh, MA, Yale School of Forestry and Environmental Studies; Charlie Bettigole, MEd, Yale School of Forestry and Environmental Studies; Lindi Seegmiller, MEd, Yale School of Forestry and Environmental Studies; Catherine Kuhn, BA, Yale School of Forestry and Environmental Studies; Chad D Oliver, PhD, Yale School of Forestry and Environmental Studies, *Are we in the right place? Why your accuracy assessment might not be telling you what you think it is.*
- Dalia Hernandez Ramirez, BA Geography\*, *GIS Bike Ability Study in Santa Ana, California.*
- Jonathan Markel\*, The Field Museum, *GIS and Remote Sensing Methods Used in Establishing Protected Areas in the Andes-Amazon.*
- Tim Krantz, PhD, University of Redlands; David Smith, MS, University of Redlands; Nathan Strout, MS\*, University of Redlands; Steven Moore, PhD, University of Redlands; Jason Berney, University of Redlands; Lucas Wilgers, University of Redlands; Ian Eland, University of Redlands, *The Tetiaroa Atoll Research Project: A Natural Gis Laboratory To Examine Island Morphology And Biodiversity Through Field-Based Research.*
- Calogero Carletto, World Bank; Sydney Gourlay, World Bank; Siobhan Murray\*, World Bank; Alberto Zezza, World Bank, *Fantasyland: Comparing Subjective and Objective Measures of Farm Land Area in Household Surveys.*
- Lanny D. McAden\*, University of Idaho; Steven M. Radil, University of Idaho; Raymond Dezzani, University of Idaho, *America's new "Beat Cop": Regionalized geographies of police militarization in the US, 2006-2013.*

# FRIDAY, APRIL 24 • 8:00 AM - 9:40 AM • 4100

## 4102. Retail and Business Geography II (Sponsored by Business Geography Specialty Group)

- Room:** Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Tony Hernandez, Ryerson University; Murray Rice, University of North Texas  
 CHAIR(S): Tony Hernandez, Ryerson University  
**8:00** Joseph Aversa\*, Ryerson University; Tony Hernandez, Ryerson University, *Location Strategies of Foreign Retailers in Canada*.  
**8:15** Derek T. Robinson\*, University of Waterloo; Andrei Balulescu, University of Waterloo; Bogdan Caradima, University of Waterloo, *Multi-Scale Approach to Retail Site Selection*.  
**8:30** Brett J. Lucas\*, City of Cheney, WA, *The Decline of Sears: An Analysis of Sears Full-Line Store Closure Patterns Within the Great Lakes Region*.  
**8:45** Peter Pavlakidis, MSA\*, Environics Analytics; Shuguang Wang, Dr., Co-Presenter, *Reconstructing Target's Location Strategy in Canada*.  
**9:00** XIANG ZHANG\*, University of Kansas, *Forward in Retreat: The Popularity of Japanese Retail Food Chain in China*.  
**9:15** Tony Hernandez\*, Ryerson University, *Rethinking Retail Geography*.

## 4105. Geographies of Body Size and Materiality I

- Room:** Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Bethan Evans, University of Liverpool; Nicole Mixson-Perez, Baptist Health South Florida; Deborah Mcphail, University of Manitoba  
 CHAIR(S): Nicole Mixson-Perez, Baptist Health South Florida  
 Introducer: Bethan Evans  
**8:20** Lynda Johnston\*, University of Waikato, *'I'm being judged on the size of my hands': Gender variant embodied size, shape, and materialities at work*.  
**8:40** Carl Anthony Bonner Thompson\*, Newcastle University, *'Bears, Jocks, Geeks and Discreets': Performing Gay Masculinities and Body Size across Grindr*.  
**9:00** Jessie K. Luna\*, University of Colorado At Boulder, *Disciplining neoliberal bodies: runners, fitness tracking, and the reproduction of meritocracy*.  
 Discussant(s): Robyn Longhurst, University of Waikato

## 4106. AAG 2015 Local Food & Agriculture Paper Session (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

- Room:** Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Megan Elizabeth Betz, Indiana University  
 CHAIR(S): Megan Elizabeth Betz, Indiana University  
**8:00** Laura Bowen Johnson\*, Michigan State University, *Opening new spaces for agro-food reconstructions: The case of the Blue Ridge Women in Agriculture High Country Farm Tour*.  
**8:20** Sharla Stolhandske, Urban Studies Program, Simon Fraser University; Terri Lee Evans\*, Urban Studies Program, Simon Fraser University, *On the Bleeding Edge of Farming the City: an ethnographic study of small-scale urban farming in Vancouver*.  
**8:40** Carolyn M Haythorn, Department of Geography, Indiana University; Daniel C. Knudsen\*, Department of Geography, Indiana University; Megan E. Betz, Department of Geography, Indiana University; Carmen Antreasian, Department of Geography, Indiana University; James R. Farmer, Department of Geography, Indiana University, *It's All in the SKU: Coordinating Small Produce Farmers and Large Retailers*.  
**9:00** Jennifer Blecha\*, San Francisco State University, *"For Food Purposes": Regulating urban animal slaughter in U.S. Cities*.  
**9:20** Megan Elizabeth Betz\*, Indiana University, *Place-making in Community Orchards*.

## 4108. Perceptions and sociopolitical narratives in environmental planning I: Case studies of (energy) decision-making (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Energy and Environment Specialty Group)

- Room:** Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Chad Walker, Western University; Tor H Oiamo, Western University  
 CHAIR(S): Chad Walker, Western University  
**8:00** Chad Walker, M.A. \*, Western University; Jamie Baxter, PhD, Western University, *"The Conservatives actually brought forward green energy!" Political landscapes and wind turbine support in Canada*.  
**8:20** Ioan Mihangel Charnley Parry, BSc, MSc\*, University of Central Lancashire, *Energy transitions in Anglesey, north Wales: major energy infrastructure projects in rural areas and the implications for citizens and social sustainability*.  
**8:40** Xi Wang\*, University of Colorado, Boulder, *The Emergence of the Renewable Portfolio Standard in the U.S.: A Case Study of Negotiating Power in California*.  
**9:00** Angela Cacciarru\*, University of Cagliari, *Common Benefits On Common Goods. Access To Land, To Labor, And The Role of Property*.  
 Discussant(s): Chad Walker, Western University

## 4109. Geo-computation for environment (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

- Room:** Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Xiao-jiang Li  
 CHAIR(S): Xiao-jiang Li  
**8:00** Mēlinda Snēgaroff\*, Cergy-Pontoise University; Sébastien Gadal, Aix-en-Provence University, *Creation a GIS on the urban evolution of Daugavpils, Latvia*.  
**8:20** Carson Farmer\*, Hunter College, City University of New York; Carsten Keßler, Hunter College, City University of New York, *A Citizen-Science Based Approach to Monitoring CO2 Emissions from Mobile Vehicles*.  
**8:40** Xiao-jiang Li\*, Department of Geography, University of Connecticut, Storrs; chuanrong zhang, Department of Geography, University of Connecticut, Storrs; weidong li, Department of Geography, University of Connecticut, Storrs, *Assessing urban street greenery using Google Street View*.  
**9:00** Dan Wu\*, Chinese University of Hong Kong, *Incorporating spatial and institutional constraints in a GIS-based sequential competitive location model for public EV charging stations??case study in Beijing*.

## 4110. Emerging real and fictitious geographies of global financial networks I (Sponsored by Economic Geography Specialty Group)

- Room:** Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Sabine Dörny, University of Oxford; Daniel Haberly, University of Sussex  
 CHAIR(S): Daniel Haberly, University of Sussex  
**8:00** Karen P.Y. Lai\*, National University of Singapore, *'Alternative' financial networks and spaces?*.  
**8:20** Michael C. Ewers\*, Texas A&M University; Jessie P.H. Poon, University at Buffalo-SUNY; Ryan P Dicce, Texas A&M University; Jeffrey Chow, Buffalo State-SUNY, *A Tale of Two Pillars: Emergent Geographies of Islamic Finance in Bahrain and Malaysia*.  
**8:40** Xiaoyang Wang\*, University of Oxford, *Never underestimate Beijing! The changing geography of Chinese banking*.  
**9:00** Jannes Van Loon\*, PhD Student at KU Leuven, Department of Geography, *Adopting Anglo-American investment strategies: the financialisation of real estate investment strategies of Dutch institutional investors*.  
**9:20** Sabine Dörny\*, University of Oxford, *Shaping financial*

# FRIDAY, APRIL 24 • 8:00 AM - 9:40 AM • 4100

*knowledge eco-systems.*

## 4111. Spatial Optimization and Analysis I (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

*Room:* Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Daoqin Tong, University of Arizona - Geography & Regional Development; Ran Wei, University of Utah

CHAIR(S): Daoqin Tong, University of Arizona - Geography & Regional Development

**8:00** Ran Wei\*, University of Utah; Alan Murray, Drexel University, *A parallel algorithm for the efficient solution of continuous space set coverage problem.*

**8:20** Kamyoun Kim\*, Kyungpook National University, *Relationships between Housing and Labor Market Areas in Seoul Metropolitan Area.*

**8:40** Wangshu Mu\*, The University of Arizona; Daoqin Tong, The University of Arizona, *Assessing alternative search strategies for solving the p-Median Problem.*

**9:00** Shuyao Hong\*, Arizona State University; Michael Kuby, Arizona State University, *Spatial Optimization of Alternative Fuel Vehicle's Refueling Station Network to Build the Critical Mass.*

**9:20** Alan T. Murray\*, Drexel University; Tony H Grubestic, PhD, Drexel University, *Spatio-Temporal Fire Risk and Vulnerability.*

## 4113. Impressions Count: Practical Advice From Employers (Sponsored by AAG Jobs and Careers Theme)

*Room:* Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Ashok Wadwani, Applied Field Data Systems, IN; Niem Huynh, Association of American Geographers

CHAIR(S): Ashok Wadwani, Applied Field Data Systems, IN

Panelists: Mike Ratcliff, US Census Bureau; Lowry Taylor, Homeland Defense and Security Information Analysis Center

## 4114. Career panel for population geographers (Sponsored by AAG Jobs and Careers Theme, Population Specialty Group)

*Room:* Columbus CD, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Kathryn Wright; Micheline Van Riemsdijk, University of Tennessee

CHAIR(S): Kathryn Wright

Discussant(s): Mark Revell, Association of American Geographers - Washington, DC; Michael D. Webb, University of North Carolina at Chapel Hill

Panelists: Weronika A. Kusek, Northern Michigan University; Paul N. McDaniel, American Immigration Council; Charlynn Burd, U.S. Census Bureau; Jason Jurjevich, Portland State University

## 4115. Ethnographic Tactics for Multispecies Contact Zones 1

*Room:* Columbus EF, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Jamie Lorimer, University of Oxford; Eben Kirksey, University of New South Wales

CHAIR(S): Jamie Lorimer, University of Oxford

**8:00** Eben Kirksey\*, University of New South Wales, *Multispecies Ethnography: Methods and Tactics.*

**8:20** Gail Davies, University of Exeter; Helen Scalway\*, Royal Holloway, University of London, *Experiments in Mice Space.*

**8:40** Karin Bolender, Artist and Researcher\*, Environmental Humanities, University of New South Wales, *"Can We Sleep in Your Barn Tonight?" Mystery Tour.*

**9:00** Clemens Driessen\*, Wageningen University - the Netherlands, *Playing With Bored Pigs: Prerequisites for Symmetrical Interspecies Game Design.*

Discussant(s): Jamie Lorimer, University of Oxford

## 4116. Big Data for Urban and Regional Analysis (I)

*Room:* Columbus G, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): David C. Folch, Florida State University; Daniel Arribas-Bel; Emmanouil Tranos, University of Birmingham

CHAIR(S): Emmanouil Tranos, University of Birmingham

**8:00** David C. Folch\*, Florida State University, *Outside Your Comfort Zone: A Spatial Analysis of Yelp Reviews.*

**8:20** Colin Arrowsmith\*, RMIT University; Deb Verhoeven, Deakin University; Alwyn Davidson, Deakin University; Bronwyn Coate, Deakin University, *A Global Analysis of Cinema Performance.*

**8:40** James Cheshire\*, UCL, *Innovative Visualization for Big, Open Data.*

**9:00** Daniel Arribas-Bel\*, University of Birmingham; Emmanouil Tranos, Dr, University of Birmingham, *The Spatial Structure(s) of Cities.*

**9:20** Hong Zhuo\*, University of Wisconsin - Milwaukee, *Exploring Activity Pattern Analysis at National Level: an analysis of the 2001 NHTS.*

## 4117. Puerto Rico: Challenges and Solutions in the XXI Century (Sponsored by Climate Specialty Group, Cultural Geography Specialty Group, Ethnic Geography Specialty Group)

*Room:* Columbus H, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Jose M. Cajigas, University of Akron; Jose Javier Hernandez Ayala, University of Florida; Ana I. Sanchez-Rivera, University of Maryland-College Park

CHAIR(S): Jose M. Cajigas, University of Akron

Panelists: Jose M. Cajigas, University of Akron; Jose Javier Hernandez Ayala, University of Florida; Ana I. Sanchez-Rivera, University of Maryland-College Park; Carlos J. Guilbe, University of Puerto Rico; Luis R. Ortiz Sanchez; Rafael R. Diaz-Torres, University of Puerto Rico at Humacao

## 4119. Geographies of Care Beyond the Normative Life Course 1

*Room:* Columbus KL, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Eleanor Wilkinson, University of Leeds; Nathaniel M. Lewis, University of Southampton

CHAIR(S): Eleanor Wilkinson, University of Leeds

**8:00** Emily Falconer\*, Weeks Centre for Social and Policy Research, London South bank University, *Affecting Adulthoods: Encountering 'queerer' alternative families.*

**8:20** Sarah W Stinard-Kiel, MA\*, Temple University, *Orphans 'out of place' or: What Happens When Annie Leaves Daddy Warbucks?.*

**8:40** Delyth Edwards\*, University of Leicester; Zachari Duncalf\*, University of Central Lancashire, *Gendered and (auto)biographical legacies of care - Beyond the walls of residential child care.*

Discussant(s): Nathaniel M. Lewis, University of Southampton

## 4120. Sports Geography I (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural Geography Specialty Group)

*Room:* Grand A, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Steven P. Ericson, University of Alabama

CHAIR(S): Steven P. Ericson, University of Alabama

**8:00** Michael Friedman, Ph.D\*, University of Maryland, College Park, *Mallparks: The social construction of baseball stadiums as cathedrals of consumption.*

**8:20** Kyle James Sorlie Titlow\*, College of William & Mary, *Building Teams, Building Nations.*

**8:40** Jonathan Leib\*, Old Dominion University, *Teaching the Geography of Sports.*

**9:00** Andrei Kirilenko, University of North Dakota; Svetlana Stepchenkova\*, University of Florida, *Sochi Olympics on Twitter: Geographical Landscape and Temporal Dynamics.*

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**9:20** Steven P. Ericson\*, University of Alabama, *Changing recruiting patterns of the Southeastern Conference: The impact of Missouri and Texas A&M since 2012.*

**4121. New Methods in the Spatial Analysis of Populations I (Sponsored by Population Specialty Group)**

**Room:** *Grand B, Hyatt, East Tower, Gold Level* (Paper Session)  
ORGANIZER(S): Pablo Mateos, CIESAS; Alex Singleton, University of Liverpool

CHAIR(S): Pablo Mateos, CIESAS

**8:00** Richard L. Morrill\*, University of Washington, *A Seattle neighborhood in 1940.*

**8:20** Emily Alice Goldman\*, Cornell University, *GIS and New Information Technology in Historic Preservation.*

**8:40** Peter A. Rogerson\*, SUNY - Buffalo; David A. Plane, University of Arizona, *Albion's Tree: The Growth and Spread of Settlement through the Upstate New York Corridor as Reflected in Demographic Characteristics Recorded on the 1855 New York State Census.*

**9:00** Alexandros Alexiou\*, University of Liverpool, *Exploring the Variation of Spatial Autocorrelation Within Geodemographic Classifications.*

**9:20** Alex Singleton\*, University of Liverpool; Paul Longley, University College London, *The Internal Structure of Greater London: A Comparison of National and Regional Geodemographic Models.*

**4122. Political and Regional Disparities in Central Europe II (Sponsored by Regional Development and Planning Specialty Group, European Specialty Group, Economic Geography Specialty Group)**

**Room:** *Grand C/D North, Hyatt, East Tower, Gold Level* (Paper Session)  
ORGANIZER(S): Balázs Forman, Corvinus University of Budapest

CHAIR(S): Balázs Forman, Corvinus University of Budapest

**8:00** Tomas Havlicek\*, *New trends in religious landscape of secular state as Czechia.*

**8:20** Zoltan Kovacs\*, University of Szeged, Hungary; Gyorgy Vida, University of Szeged, Hungary, *Political representation and electoral patterns in Hungary after 2010.*

**8:40** Lajos Boros\*, University of Szeged, *Identity, commemoration and the production of public space in Budapest, Hungary.*

**9:00** Szabolcs Fabula\*, University of Szeged; Zoltán Kovács, University of Szeged; Lajos Boros, University of Szeged, *Urban diversity as an asset - lessons from Budapest, Hungary.*

**9:20** Jiri Malý\*, Masaryk University, *Reaching Spatial Justice at Micro-Regional Level as a Path to Lower Intra-Regional Disparities.*

**4123. PREM: Settler Colonialism, Militarism, and the Carceral State I: Rethinking Grounds of Punishment, Mass Incarceration, and Reform (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)**

**Room:** *Grand C/D South, Hyatt, East Tower, Gold Level* (Paper Session)  
ORGANIZER(S): Jenna M. Loyd, University of Wisconsin-Milwaukee; Brett Story, University of Toronto; Judah Schept, Eastern Kentucky University

CHAIR(S): Anne Bonds, University of Wisconsin, Milwaukee

**8:00** Brett Story\*, University of Toronto, *Against 'Punishment': Carceral Ideology and the Production of Space.*

**8:20** Lydia Pelot-Hobbs\*, The Graduate Center, CUNY, *From Crisis to Consolidation: The Build Up of the Louisiana Carceral State.*

**8:40** Jack Norton\*, CUNY Graduate Center, *Islands in the Stream: Waste, Infrastructure, and the Expansion of the Carceral City.*

**9:00** Judah Schept, PhD\*, Eastern Kentucky University, *Prison*

*Re-form: Progressive Punishment and the Changing Carceral Landscape.*

Discussant(s): Anne Bonds, University of Wisconsin, Milwaukee

**4124. Questioning geography's 'healthy subject' Session II: Rest, Inertia, Lassitude and Lack of Agency (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Development Geographies Specialty Group)**

**Room:** *Grand E/F, Hyatt, East Tower, Gold Level* (Paper Session)  
ORGANIZER(S): Jennifer Laws, Durham University; Felicity Callard, Durham University

CHAIR(S): Beverley Mullings, Queen's University

**8:00** Felicity Callard, PhD\*, Durham University, *Whither fantasy, daydreaming and mind-wandering? Neuroscientific reconfigurations of rest and passivity.*

**8:20** Andrew Goffey\*, University of Nottingham, *"Ping of old only just perhaps a meaning" Exhausting agency with Deleuze and Beckett.*

**8:40** Tracey J Potts, Lecturer in Critical Theory and Cultural Studies\*, University of Nottingham, *'Undoing the Procrastination Equation: Foucault, Genealogy, History'.*

**9:00** Keith Woodward\*, University of Wisconsin-Madison, *Affect, passing, and the work of not representing.*

**9:20** Jenny Laws, PhD\*, Durham University, *Anepithumic geographies, or 'I got out of bed and the desire left me'.*

**4125. Economic Development and Policy Issues**

**Room:** *Grand Suite 2 AB, Hyatt, East Tower, Gold Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sebastian Stiehm, RWTH Aachen University

**8:00** Richard Mbatu, Ph.D.\*, University of South Florida St. Petersburg, *Analysis of sectoral and subsectoral forces and configurations on policy outcomes: the case of Cameroon's forest policy sector.*

**8:20** Sebastian Reimer\*, University of Bonn; Britta Klagge, University of Bonn, *Carbon offsetting and corporate strategies.*

**8:40** Alexander Burnasov, Ph.D.\*, Ural Federal University; Maria Ilyushkina, Ph.D., Ural Federal University; Anatoly Stepanov, Ph.D., Ural Federal University, *Upgrading Territorial Systems in the Innovative Paradigm of Economic Geography.*

**9:00** Caleb Gallemore\*, Northeastern Illinois University, *Brokerage and Power: Transnational Non-governmental Organizations and Resources for REDD+.*

**9:20** Sebastian Stiehm, M.Sc.\*, IMA/ZLW & IfU - RWTH Aachen University; Florian Welter, Dr., IMA/ZLW & IfU - RWTH Aachen University; Anja Richert, Prof. Dr., IMA/ZLW & IfU - RWTH Aachen University; Sabina Jeschke, Univ.-Prof. Dr., IMA/ZLW & IfU - RWTH Aachen University, *Approaching Regional Requirements for "Industry 4.0".*

**4126. Vegetation Dynamics I (Sponsored by Biogeography Specialty Group, Mountain Geography Specialty Group)**

**Room:** *Grand Suite 3, Hyatt, East Tower, Gold Level* (Paper Session)  
ORGANIZER(S): Jeremy Johnson, Texas A&M; Parveen Kumar Chhetri, Texas A&M University

CHAIR(S): Jeremy Johnson, Texas A&M

**8:00** Lucas D Brehaut, MSc. Candidate\*, Queen's University; Ryan Danby, Associate Professor, Queen's University, *Evaluation of Recent Vegetation Productivity Trends using High Resolution Remote Sensing and Dendrochronology in the Yukon Territory, Canada.*

**8:20** Shelby L. Young\*, Texas A&M University; Charles W. Lafon, Texas A&M University, *Assessing the response of different tree life strategies to moisture gradients*

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and climatic variability in the Southern Rocky Mountains.

**8:40** Mary R Moses\*, Northern Illinois University; Robert T Fahey, The Morton Arboretum; David Goldblum, Northern Illinois University, *Carbon Assimilation of Oak Seedlings Under Canopy Openness Manipulations*.

**9:00** Megan Buchanan\*, University of Minnesota, *Factors affecting oak regeneration in the Driftless Area of Wisconsin*.

**9:20** Jeremy S Johnson\*, Texas A&M University; David M Cairns, Texas A&M University, *Genomics of Long-Distance Dispersal in Mountain Hemlock*.

**4127. CyberGIS Symposium: Geospatial and Spatiotemporal Ontology and Semantics I (Conceptualizations of the Landscape: Cognitive, Computational and Cultural Dimensions) (Sponsored by Cyberinfrastructure Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)**

**Room:** Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)  
ORGANIZER(S): Gaurav Sinha, Ohio University; Chen-Chieh Feng, Geography, National University of Singapore; Alexandre Sorokine, Oak Ridge National Laboratory  
CHAIR(S): Alexander Klippel

**8:00** Alexander Klippel\*, David Mark; Jan Oliver Wallgrun; Ross Purves, University of Zurich; Kevin Sparks, The Pennsylvania State University, *Cognition of the Top of the World: Investigating Humans' Conceptions and Linguistic Expressions of Mountain Peaks*.

**8:20** David M. Mark\*, Department of Geography, University at Buffalo, Buffalo, NY 14261 USA; Alexander Klippel, 2Department of Geography, The Pennsylvania State University, PA 16802 USA; Jan Oliver Wallgrün, 2Department of Geography, The Pennsylvania State University, PA 16802 USA, *A Common-Sense Taxonomy of Geographic Entity Types: A Step Toward a Common-Sense Ontology of the Geographic Domain*.

**8:40** Nicolas Ortega\*, Universidad Autonoma de Madrid, *Mountain and Identity: the Assessment of the Peak of Peñalara (Sierra de Guadarrama, Spain) in the Modern Spanish View of the Landscape*.

**9:00** Cazeaux Laure\*, Université de Cergy-Pontoise, *Sensitive and rhythmic perception of the landscape movement*.

**9:20** Raphaël Mathevet\*, CNRS UMR 5175 CEFÉ; Aurélien Allouche, CNRS and RESSOURCES; Laurence Nicolas, CNRS and RESSOURCES, *Resilient wetland, resilient people: theorizing the adaptive management regime of a social-ecological system*.

**4128. Climate and conflict in rural-urban spaces 1: Cases in Asia (Sponsored by Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group)**

**Room:** Plaza A, Hyatt, East Tower, Green Level (Paper Session)  
ORGANIZER(S): Jürgen Scheffran, Institute of Geography, University of Hamburg; Peter Michael Link, University of Hamburg

CHAIR(S): Peter Michael Link, University of Hamburg  
**8:00** Jürgen Scheffran\*, Institute of Geography, University of Hamburg, *Climate and Conflict in Rural-Urban Spaces: Integrative Framework and Regional Cases*.

**8:20** Jiawen Hu\*, University of Washington, *Reconnecting to the Land: Periurban Farming and Individual and Community Well-being in Chengdu Plain, China*.

**8:40** Shiquan Zhao\*, Peking University; Jian Peng, Laboratory for Earth Surface Processes, Ministry of Education, College of Urban and Environmental Sciences, Peking University, *Identifying urban-rural fringe using wavelet transform and kernel density estimation: a case study in Beijing*.

**9:00** Liang Yang, Dr.\*, University of Hamburg; Jürgen Scheffran,

University of Hamburg, *Assessment of Flood Losses with Household Responses: Agent-based Simulation in an Urban Catchment Area*.

**4129. Political Ecology, Water (In)Security and Natural Resources Management (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Water Resources Specialty Group)**

**Room:** Plaza B, Hyatt, East Tower, Green Level (Paper Session)  
ORGANIZER(S): Kevon Rhiney, University of the West Indies - Mona; April Karen Baptiste, Colgate University  
CHAIR(S): Kevon Rhiney, University of the West Indies - Mona  
**8:00** Ana Britto\*, Federal University of Rio de Janeiro; Antonella Maiello, Doctor, Federal University of Rio de Janeiro; Suyá Quintslr, PHD Student, Federal University of Rio de Janeiro, *Discussing hydro-social scarcity in Rio de Janeiro Metropolitan Area: the case of Queimados municipality*.

**8:20** Jorge Morteau, PhD candidate\*, University of Sao Paulo, Brazil, *Remastering Claude Raffestin: hydropolitics and nations without State - a comparative analysis between Aymara/Quechua people and the Kurds..*

**8:40** Shaneica A. Lester\*, The University of the West Indies, Mona, *Exploring Residents Ability and Willingness to Pay for Household Water Services in August Town, Kingston, Jamaica*.

**9:00** Robinson Torres\*, Arizona State University, *A Political Ecology of Water Struggles In Chile*.

**9:20** Michael Pease\*, Central Washington University, *Administrative Water Resource Management: Pariah or Blueprint for Semi-arid Water Management?*.

**4130. Spatial Analysis Methods**

**Room:** Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)  
ORGANIZER(S): Program Committee  
CHAIR(S): Desheng Liu, The Ohio State University  
**8:00** Zhaoya Gong\*, Department of Geography and Earth Sciences, University of North Carolina at Charlotte; Jean-Claude Thill, Department of Geography and Earth Sciences, University of North Carolina at Charlotte, *High-performance neural network model for welfare optimization in spatial choices*.

**8:20** Aaron Russell Shelhamer\*, Northern Illinois University; Wei Luo, Northern Illinois University, *Implementing Multi-directional Flow in a Cellular Automata Landform Evolution Model*.

**8:40** Desheng Liu\*, The Ohio State University; Adam Wehmann, *Spatial-Temporal Markovian Support Vector Classifier: A Next-Generation Classifier*.

**9:00** Ling XUE\*, Peking University, *Dynamic simulation of impact factors on regional urbanization by using agent-based modeling*.

**9:20** Fuyuan Liang\*, Western Illinois University; Yunyan Du, State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China, *Dominant Migrating Paths of Mesoscale Ocean Eddies in the South China Sea from 1992 to 2012*.

**4131. Methods for accessing emotions ? Dealing with affect empirically (Sponsored by Geographic Perspectives on Women Specialty Group)**

**Room:** Columbian, Hyatt, West Tower, Bronze Level (Panel Session)  
ORGANIZER(S): Karen Falconer Al-Hindi, University of Nebraska; Leslie Kern, Mount Allison University  
CHAIR(S): Leslie Kern, Mount Allison University  
Panelists: Deborah Thien, California State University, Long Beach; Carolin L. Schurr, University of Zürich; Mary Neil, Wilfrid Laurier University; Kathryn Gillespie, University of Washington; Karen Falconer Al-Hindi, University of Nebraska

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## 4132. Humanist Research in Indigenous Contexts (Sponsored by Indigenous Peoples Specialty Group)

Room: Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): John H. Kelly, AGS/Univ of Kansas

8:00 Naomi Simmonds, PhD\*, The University of Waikato, *Indigenous Maternities: Geographies of resistance, resilience and transformation.*

8:20 Ellen Percy Kraly\*, Colgate University, *Mobilising a 'Spiritual Geography': The Art and Child Artists of the Carrolup Native School and Settlement, Western Australia.*

8:40 Joshua Jerome Meisel\*, *Historical demographics, student origins, and recruitment at off-reservation Indian boarding schools, 1900.*

Discussant(s): John H. Kelly, AGS/Univ of Kansas

## 4133. Applications Relating to Fire

Room: Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Melissa J. Tolene Rura, United Methodist Neighborhood Centers of Memphis

CHAIR(S): Nicole Brunner

8:00 Crystal English\*, San Diego State University, *Spatial Distribution of Incendiary Fires in Atlanta, GA.*

8:20 Anne Jacquin\*, INRA; Michel Goulard, INRA; Shawn J.M. Hutchinson, Department of Geography, Kansas State University, *Spatial tools in action: Fire regime and military training activity explain grassland degradation.*

8:40 Vaishnavi Thakar\*, University of Texas At Dallas; Denis J Dean, Dr, University of Texas at Dallas, *A Spatial Optimization Approach to Finding Locations for Wildfire Fuel Treatments.*

9:00 Lin LI\*, School of Resource and Environmental Science, Wuhan University; Zhonghai YU, School of Resource and Environmental Science, Wuhan University; Haihong ZHU, School of Resource and Environmental Science, Wuhan University; Yang CHEN, School of Resource and Environmental Science, Wuhan University, *Optimization of the Indoor Layout of a supermarket for fire emergency by simulation of evacuation dynamic.*

9:20 Nicole M Brunner\*, USGS; Carol S Mladinich, USGS; Megan K Caldwell, USGS; Yen-Ju Beal, USGS; Todd J Hawbaker, USGS, *Validation of the 2008 USGS Burned Area Essential Climate Variable (BAECV) product.*

## 4135. In the Green Kitchen: Critically assessing Domestic Energy Interventions for Climate and Development (Session 1) (Sponsored by Energy and Environment Specialty Group, Development Geographies Specialty Group)

Room: Picasso, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Robert Bailis, Yale University; Jasmine Hyman, Yale University

CHAIR(S): Jasmine Hyman, Yale University

8:00 Adrian Ghilardi\*, Centro de Investigaciones en Geografia Ambiental - Universidad Nacional Autonoma de Mexico; Robert Bailis, Yale School of Forestry and Environmental Studies; Jean-François Mas, Centro de Investigaciones en Geografia Ambiental - Universidad Nacional Autonoma de Mexico; Rudi Drigo, Consultant; Omar Masera, Centro de Investigaciones en Ecosistemas - Universidad Nacional Autonoma de Mexico, *Scale Dependency in Woodfuel Supply and Demand Estimations.*

8:20 Robert Bailis\*, Yale University, *Traditional Woodfuels: Insights Into Impacts And Interventions.*

8:40 Erin Beasley, MEM\*, Yale University, *Self-Identified Brokers in Nontraditional Cookstove Dissemination.*

9:00 Marc Jeuland\*, Duke University; Subhrendu K Pattanayak,

Duke University; Jie-Sheng Tan Soo, Duke University, *Preference Heterogeneity and Adoption of Environmental Health Improvements: Evidence from a Cookstove Promotion Experiment.*

Discussant(s): Gregory Simon, University of Colorado Denver

## 4136. Historical Ecology (I.) (Sponsored by Biogeography Specialty Group)

Room: Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Steve Tulowiecki

CHAIR(S): Chris Larsen, University At Buffalo

8:00 Chelsea Teale, PhD\*, Humboldt State University, *The Importance of Historical Sources in Identifying Chronostratigraphic Markers for Sediment Cores.*

8:20 Noel Bruce Pavlovic\*, U.S. Geological Survey; Marlin Bowles, The Morton Arboretum; Samniqueka Halsey, The Morton Arboretum; Jeanette McBride, The Morton Arboretum; Robert Fahey, The Morton Arboretum, *Compositional and structural vegetation gradients across the Prairie Peninsula region of southern Lake Michigan based on Public Land Survey data.*

8:40 Melissa Hinten\*, University of Tennessee; Bruce Hoagland, University of Oklahoma, *Reconstructing Land Use Patterns within the Cherokee Prairie using Public Land Survey Data.*

9:00 Kelly Easterday\*, University of California - Berkeley; Maggi Kelly, University of California-Berkeley; Patrick McIntyre, California Department of Fish and Wildlife, *Quantifying diversity and conservation status of California's Oak trees using the historic Vegetation Type Mapping (VTM) dataset.*

9:20 Emily Elizabeth Clark\*, McGill University; Delphine Renard, PhD, McGill University; Jeanine Rhemtulla, PhD, University of British Columbia, *Historical Trends of Ecosystem Services in Canada, 1911-2011.*

## 4137. Experiential Learning and Field Studies in Geographic Education

Room: Wrigley, Hyatt, West Tower, Bronze Level (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lindsey Russell, Saginaw Valley State University

8:00 Brittany Hoist\*, Saginaw Valley State University, *A Historical and Geographical Field Study of Locations Within Michigan.*

8:10 Lori LaFave\*, Saginaw Valley State University, *Washington D.C. Historical Field Study.*

8:20 Jessica Culbert\*, Saginaw Valley State University, *Michigan Indian Reservation Field Study Proposal.*

8:30 Rebecca Balcer\*, Saginaw Valley State University, *An Experiential Field Study of Colonial America from New York, Boston and Virginia.*

8:40 Shannon Rae Kittner, Undergraduate Student\*, *Education of Geography through National Parks.*

8:50 Lindsey Russell\*, Saginaw Valley State University, *Proposed Experiential Learning Program: Washington, DC, Gettysburg, PA, and Williamsburg, VA.*

## 4138. Spatial Accessibility of Health Services (Sponsored by International Geospatial Health Research Network)

Room: Acapulco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Eduardo G. Cedeno

8:00 Jun Luo\*, Missouri State University, *Analyzing spatial access to healthcare services with Huff Model and floating catchment area method.*

8:20 Peng Jia\*, Louisiana State University; Imam Xierali, Dr., Association of American Medical Colleges; Fahui Wang, Dr., Louisiana State University, *Distance and health service utilization among inpatients: applying distance decay effects and Huff model to delineate the*



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*Hospital Service Areas in Florida.*

**8:40** William Caleb Parker, MA\*, FHI 360; Patricia Bailey, DrPH, FHI 360; Emily Keyes, MPH, FHI 360, *Spatial modeling of access to comprehensive emergency obstetric and newborn care for women in Mozambique, 2007 and 2012.*

**9:00** Todd J Schuble, Manager of GIS Research/Sr. Lecturer\*, University of Chicago, *Measuring Health Service Accessibility with GIS.*

**9:20** Eduardo G. Cedeno\*, University of Puerto Rico; Eduardo G. Cedeño, Student, University of Puerto Rico, *The Emerging Geography of the Medical facilities within the San Juan Metropolitan Area.*

## **4139. Emerging Analytical Methods in Health Geographies (Sponsored by International Geospatial Health Research Network)**

*Room:* Atlanta, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Ling Bian, SUNY- Buffalo

**8:00** Pierre Goovaerts, PhD\*, BioMedware, *The Role of Geostatistics In Medical Geology.*

**8:20** Ling Bian\*, SUNY- Buffalo, *The spatial representation of disease dispersion in social networks.*

**8:40** Fahui Wang\*, Louisiana State University, *The Matter of Geography (GIS) in Public Health.*

**9:00** Kuo-Chen Chang, Professor\*, National Taiwan Normal University, *The Effects of Modifiable areal unit problem (MAUP) to Urban Planning and Development - A Case Study of Medical Resources Location for Elder in Taipei City.*

**9:20** André Skupin\*, Center for Information Convergence and Strategy, San Diego State University; Michael Conway, Department of Biomedical Informatics, University of Utah; Wei Wei, Division of Biomedical Informatics, University of California - San Diego; Brian Chapman, Department of Biomedical Informatics, University of Utah; Wendy Chapman, Department of Biomedical Informatics, University of Utah, *In Terms of MIMIC: Towards a Base Map for the Intensive Care Domain.*

## **4140. Health Behavior, Policy and Intervention (Sponsored by International Geospatial Health Research Network)**

*Room:* Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Steven Hartman

**8:00** Elianne Carrier\*, Institut national de la recherche scientifique; Marie-Soleil Cloutier, Institut national de la recherche scientifique, *Sense of place and health behaviour: the case of blood donation in urban, rural and suburban communities in Quebec, Canada.*

**8:20** Nancy A. Ross, PhD\*, McGill University, *Can Evidence from Studies of Built Environment and Physical Activity Inform Health Policy?.*

**8:40** Chinmoy Sarkar, Research Assistant Professor\*, Faculty of Architecture, The University of Hong Kong, 4/F Knowles Building, Pokfulam Road, Hong Kong.; Chris Webster, Dean, Faculty of Architecture, The University of Hong Kong, 4/F Knowles Building, Pokfulam Road, Hong Kong.; John Gallacher, Professor, Cochrane Institute of Primary Care and Public Health, Cardiff University, 5/F Neuadd Meirionnydd, Heath Park, Cardiff, CF14 4YS, UK., *UK Biobank Urban Morphometric Platform (UKBUMP) - A nationwide resource for evidence-based healthy city planning and public health interventions.*

**9:00** Thomas Kompare\*, University of Chicago; Raed Mansour, Chicago Department of Public Health, *Get Immunized: Web Applications to Increase Awareness and Access to Health Care.*

**9:20** Steven Hartman\*, Hofstra University, *Health Insurance Schemes as Sites of Power Expression in India.*

## **4141. Health and Environment I: Understanding Interactions in a Dynamic World (Sponsored by Cultural and Political Ecology Specialty Group, International Geospatial Health Research Network, Health and Medical Geography Specialty Group, Development Geographies Specialty Group)**

*Room:* New Orleans, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Heidi Hausermann, Rutgers University; Brian King, Pennsylvania State University

CHAIR(S): Heidi Hausermann, Rutgers University

Introducer: Heidi Hausermann

**8:05** Abigail H. Neely\*, Dartmouth College, *Entangled Agencies: More-than-human Geographies of Wellness and Illness.*

**8:25** Anoushka Milleer\*, Macalester College, *Retelling Ebola's "Outbreak Narrative" during the 2014 West Africa Epidemic.*

**8:45** Margaret Pettygrove\*, University of Wisconsin-Milwaukee, *Political Ecologies of Urban Dietary Health and Environmental Production: A case study of Milwaukee, Wisconsin.*

**9:05** Helen Elizabeth Olsen\*, Rutgers University; Heidi Hausermann, Rutgers University; David Ferring, Rutgers University; Augustus Chang, *"All We Get is Malaria": Emergent Community Health Dynamics in Ghana's Gold Mining Belt.*

Discussant(s): Paul S. B. Jackson, University of Delaware

## **4142. Economic Geography XI - Geographies of Diversity and Inequality (Sponsored by Economic Geography Specialty Group)**

*Room:* Regency A, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Abigail Cooke, University At Buffalo; Jamie Michelle Goodwin-White, UCLA

CHAIR(S): David L. Rigby, UCLA

**8:00** Rebecca P Pero, BAH, MA\*, Queen's University, *The Localization of Immigration Policy in Canada: Concepts of Diversity and the Local Immigration Partnership project in Ontario.*

**8:20** Rikard H. Eriksson, Associate Professor, Umeå University; Emelie Hane-Weijman, PhD-student\*, Umeå University; Martin Henning, Associate professor, University of Gothenburg, *Returning to Work.*

**8:40** Thomas Kemeny, University of Southampton; Abigail Cooke\*, University At Buffalo, *The Social Returns to Immigrant Diversity in Cities.*

**9:00** Jamie Michelle Goodwin-White\*, UCLA, *Hanging together or falling apart? Estimating City Wage Inequality of Race, Gender, and Ethnicity: 2000-2010.*

Discussant(s): Helen Lawton Smith, Birkbeck University of London

## **4143. Technology and the cities of tomorrow: Exploring the smart city imagery (and beyond) (1)**

*Room:* Regency B, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Marco Santangelo, Politecnico di Torino; Ramon Ribera-Fumaz, Fundació Per a La Universitat Oberta De Catalunya; Hug March, Fundació Per a La Universitat Oberta De Catalunya

CHAIR(S): Alberto Vanolo, Università di Torino, Dipartimento Culture, Politica e Società

**8:00** Tom Keating\*, University of Bristol, *From 'technical individuals' to 'technical individuations': Simondon and the affective milieu of wearable technologies.*

**8:20** Nick Lally\*, University of Wisconsin - Madison, *Crowdsourced Surveillance and Distributed Control in the Neoliberal City.*

**8:40** Aron Sandell\*, UNC Chapel Hill, *"Building a Digital City" - Digital Urban Visions and the 'Production of*

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*Obsolescence' in New York City.*

**9:00** Marco Santangelo\*, Politecnico di Torino; Alberto Vanolo, Università di Torino, *Technological paradigms to reshape cities: Spatial dimension of smarter policies.*

**9:20** Carla Kayanan\*, University of Michigan; Michael Koscielniak\*, University of Michigan, *Innovation's Invisible Architecture: Blight and Brownfields in the Staging of Urban Futures.*

## **4144. The Global Geography of the Rare Earth Frontier I**

*Room:* Regency C, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Julie Klinger, University of California-Berkeley

CHAIR(S): Julie Klinger, University of California-Berkeley

**8:00** Julie Michelle Klinger\*, University of California-Berkeley, *On the Rare Earth Frontier.*

**8:20** Ryan Kiggins\*, University of Central Oklahoma, *Securitizing Rare Earths in an Information Technology Dependent World.*

**8:40** Fanny Verrax, PhD\*, Ecole Normale Supérieure de Lyon, *Recycling toward Rare Earths Security.*

## **4145. Environmental and Sustainability Issues in China (Sponsored by China Specialty Group)**

*Room:* Regency D, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): David W. Edgington, University of British Columbia

CHAIR(S): Enru Wang, University of North Dakota

**8:00** Xin Yang\*, Peking University, *Trans-boundary Pollution in China: Do Polluting Plants Locate in the Borders of Jurisdictions?.*

**8:20** Enru Wang\*, University of North Dakota; Qian Li, China National Environmental Monitoring Center, *Spatial and Temporal Patterns of Air Pollution in Chinese Cities.*

**8:40** Richard E. Bilsborrow, PhD\*, UNC; Qi Zhang, BA, UNC; Conghe Song, PhD, UNC, *Livelihoods as the Key Glue in Models to Evaluate the Impacts of PES Programs on the Environment: Towards a Case Study of the SLCP Program in China.*

**9:00** Fang Lian\*, Beijing Normal University; Feng Zhang, PhD candidate, Beijing Normal University; Jing'ai Wang, PhD, Beijing Normal University, *Risk assessment and prevention of salinization ----- A case study of Huanghua City, Hebei Province, China.*

**9:20** Li-li Wang, Center for Urban and Regional Development Studies & School of Geography, South China Normal University, Guangzhou 510006, China; Yang Gao\*, Center for Urban and Regional Development Studies & School of Geography, South China Normal University, Guangzhou 510006, China; Xiao-yu Zheng, Center for Urban and Regional Development Studies & School of Geography, South China Normal University, Guangzhou 510006, China; Xin Zhao, Center for Urban and Regional Development Studies & School of Geography, South China Normal University, Guangzhou 510006, China, *The Sustainable Livelihood Capital and Strategy of Land-Lost Farmers in China -A Case Study of Guangzhou University Town.*

## **4146. Research into Climate Change in China (Sponsored by China Specialty Group)**

*Room:* San Francisco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): David W. Edgington, University of British Columbia

CHAIR(S): Lei Luo, Kansas State University

**8:00** Lei Luo\*, Kansas State University; Douglas Goodin, Kansas State University, *Simulating and Predicting the Urban Heat Island Effect in Rugao, China by Using Artificial Neural Network Model.*

**8:20** Gang Li\*, College of Urban and Environmental Sciences, Northwest University, Xi'an 710127, China; Qian

Liu, College of Urban and Environmental Sciences, Northwest University, Xi'an 710127, China; Xinjun Yang, College of Urban and Environmental Sciences, Northwest University, Xi'an 710127, China; Huijuan Wang, College of Urban and Environmental Sciences, Northwest University, Xi'an 710127, China; Dongyan Kong, College of Urban and Environmental Sciences, Northwest University, Xi'an 710127, China, *Locust Outbreaks, Climate Change and Social Response during the Historical Period in China.*

**8:40** Shuang-Ye Wu\*, University of Dayton; Yanjuan Wu, Shanghai Normal University, *Changing Characteristics of Precipitation in China during 1951-2012.*

**9:00** Baoqing Zhang\*, Lanzhou University, China; Chansheng He, Lanzhou University, China; Morey Burnham, State University of New York College of Environmental Science and Forestry; Lanhui Zhang, Lanzhou University, China, *Evaluating vegetation cover response to drought and their coupling effects on runoff and sediment yield on the Loess Plateau, China.*

## **4147. Economic Globalization, Telecoupling and Land Change (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Economic Geography Specialty Group)**

*Room:* Toronto, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Darla Munroe, Ohio State University

CHAIR(S): Darla Munroe, Ohio State University

**8:00** Qing Tian\*, George Mason University; Daniel Brown, University of Michigan; Lin Zheng, Jiangxi Normal University; Shuhua Qi, Jiangxi Normal University; Ying Liu, Jiangxi Normal University; Luguang Jiang, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, *Cross-Scale Social and Environmental Processes behind Rural Household Land-Use Decisions, Poyang Lake Region, China.*

**8:18** Joshua P. Newell\*, University of Michigan, *Globalized Urban Commodity Teleconnections: Tracking Corporate Actors across Time-Space.*

**8:36** Lisa Rausch, PhD\*, University of Wisconsin - Madison; Holly Gibbs, PhD, University of Wisconsin - Madison, *Deforestation-free Soy, Pass it On!; How Global Markets and Teleconnections Influence Soy Production in the Amazon.*

**8:54** Yankuic M. Galván\*, Michigan State University; Robert T Walker, University of Florida, *Linking land change and commodity chains in a globalizing world: the case of Mexico..*

**9:12** Kuishuang Feng\*, University of Maryland; Stephan Pfister, ETH Zurich; Yang Yu, University of Maryland; Klaus Hubacek, University of Maryland; Laixiang Sun, University of Maryland, *Land footprints: supply-chains, embedded land use, environmental impacts and related external cost.*

Discussant(s): Ariane C. De Bremond, University of California

## **4148. Exposure and Health Geographies**

*Room:* Crystal A, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Xi Gong, Texas State University-San Marcos

**8:00** Frank Annie\*, Florida State University, *Trends and geographic locations of soft tissue cancers in the Western Kanawha County, W.V.*

**8:20** Roberto Enrique Morales Lopez\*, San Juan Bay Estuary Program, *The spatial injustice of exposure to sanitary sewage and other pollutants discharges in the SJBE.*

**8:40** Allison Boyd\*, University of Denver, *Epidemiological Changes in the Diet of the Middle Class in Quito, Ecuador.*

**9:00** Wudan Xie\*, Peking University Shenzhen; Jiansheng Wu, Peking University, *Effects of urban landscape pattern*

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on PM2.5 exposure? A Beijing case study.

- 9:20** Xi Gong\*, Texas Center for Geographic Information Science, Department of Geography, Texas State University; F. Benjamin Zhan, Texas Center for Geographic Information Science, Department of Geography, Texas State University; Jean D. Brender, Texas A&M Health Science Center School of Public Health, Department of Epidemiology & Biostatistics, Texas A&M University; Peter H. Langlois, Birth Defects Epidemiology and Surveillance Branch, Texas Department of State Health Services, *The Emission Weighted Proximity Model Performance for Estimating Long Term Air Pollution Exposure Risks In Large Geographic Areas*.

## 4150. On Stuart Hall

- Room:** *Crystal C, Hyatt, West Tower, Green Level* (Panel Session)  
ORGANIZER(S): Katherine McKittrick, Queen's University  
CHAIR(S): Sharad Chari, University of the Witwatersrand  
Discussant(s): Sharad Chari, University of the Witwatersrand  
Panelists: Katherine McKittrick, Queen's University; Barnor Hesse, Northwestern University; Roderick A. Ferguson

## 4151. Geography, Sustainability and the Green Campus (Sponsored by Geography Education Specialty Group, Energy and Environment Specialty Group, Geographies of Food and Agriculture Specialty Group)

- Room:** *Stetson A, Hyatt, West Tower, Purple Level* (Panel Session)  
ORGANIZER(S): Leslie A. Duram, Southern Illinois University  
CHAIR(S): Leslie A. Duram, Southern Illinois University  
Panelists: Tammy Parece, Virginia Tech; Gregory W. Knapp, University of Texas - Austin; Lisa M. Benton-Short, The George Washington University; Drew E. Bennett, Oregon State University; John G. Hintz, Bloomsburg University of Pennsylvania; Leslie A. Duram, Southern Illinois University

## 4152. Clothing Poverty: The Hidden World of Fast Fashion - Author Meets Critics Session

- Room:** *Stetson BC, Hyatt, West Tower, Purple Level* (Panel Session)  
ORGANIZER(S): Alex Loftus, King's College London; Michael K Goodman, University of Reading  
CHAIR(S): Alex Loftus, King's College London  
Introducer: Alex Loftus  
Panelists: James Sidaway, National University of Singapore; Josh Lepawsky, Memorial University of Newfoundland; Andrew Brooks, King's College London; Michael K Goodman, University of Reading; Bradley Wilson, West Virginia University

## 4153. Innovative Approaches to Implementing Field-based technology in Geography/Geoscience Programs (Sponsored by Africa Specialty Group)

- Room:** *Stetson D, Hyatt, West Tower, Purple Level* (Paper Session)  
ORGANIZER(S): Joseph Terzungwe Zume, Shippensburg University  
CHAIR(S): Joseph Terzungwe Zume, Shippensburg University  
**8:00** Augustine Avwunudiogba\*, California State University Stanislaus, *Integration of Soil and Water Conservation Technology into Undergraduate Geomorphology Course: A Service Learning Approach*.  
**8:20** Niccole Villa Cerveney, PhD\*, Mesa Community College; Anna Havig, Mesa Community College; Kelsy Diener, Mesa Community College, *Tactile Earth: Teaching and Accommodating Blind Students in Introduction to Physical Geography*.  
**8:40** Glathar Janine\*, Amanda Wooden, Bucknell University; Jaclyn Tules, Bucknell University; Nicole Bakeman, Bucknell University, *Using GIS to engage undergraduate students in the cycle of research, teaching and scholarship*.  
**9:00** Rebecca Kim Parylak, Ph.D\*, Kent State University, Kent

OH, *Creating Concept Quizzes to Assess Learning Across Teaching Environments*.

- 9:20** Joseph Terzungwe Zume\*, Shippensburg University, *Curriculum Integration in an Interdisciplinary Geography Program at Shippensburg University, PA*.

## 4154. Beyond Greening? Questioning the social, environmental and spatial consequences of 'green' economic development #1 (Sponsored by Economic Geography Specialty Group)

- Room:** *Stetson E, Hyatt, West Tower, Purple Level* (Paper Session)  
ORGANIZER(S): Rob Krueger, Worcester Polytechnic Institute; Christian Schulz, University of Luxembourg; Julia Affolderbach, University of Hull  
CHAIR(S): David C. Gibbs, University of Hull  
**8:00** Mark Pendras\*, University of Washington Tacoma, *Urban growth, shrinkage, and degrowth: exploring alternative economic possibilities*.  
**8:20** Eliot Tretter\*, University of Calgary, *Knowledge Rent and Green Economy*.  
**8:40** Celine Kuklowsky\*, University of California - Los Angeles; Stephanie Pincetl, PhD, UCLA, *Energy transitions, inequality, and power: Spatial differentiation and the low- carbon future of Los Angeles*.  
**9:00** Sabine Bognon\*, UMR Geographie-Cités, Paris., *Greening alternatives in the food system Questioning a transition towards proximity among political, economical and civil society stakeholders*.  
Discussant(s): Cristina Temenos, Simon Fraser University

## 4155. Human Impacts on Watershed Processes I (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)

- Room:** *Stetson F, Hyatt, West Tower, Purple Level* (Paper Session)  
ORGANIZER(S): Shixiong Hu, Department of Geography, East Stroudsburg University of PA  
CHAIR(S): Shixiong Hu, Department of Geography, East Stroudsburg University of PA  
**8:00** Swagata Goswami\*, University of Oregon, *Watershed scale anthropogenic controls on the lateral mobility of the Gangetic tributaries along the northeast Himalayas*.  
**8:20** Shixiong Hu\*, Department of Geography, East Stroudsburg University of PA, *Assessment of runoff and nutrient loadings in Lianshui Watershed using modified SWAT model*.  
**8:40** Robert Dennis McDermott\*, Temple University, *Stormwater Management: Inlets and Streetsweeping in Philadelphia*.  
**9:00** A-Xing Zhu, Professor\*, Univ of Wisconsin-Madison; Hui Wu, Professor, Center for Smart City, Hangzhou Dianzi University, Hongzhou, Zhejiang, China; Yongbo Liu, Professor, Department of Geography, University of Guelph, Guelph, Canada, *Optimization of BMP Placement Based on Spatial Topology at Watershed Scale*.

## 4156. Global Urban Observation (I): International Collaboration Opportunities (Sponsored by Remote Sensing Specialty Group)

- Room:** *Stetson G, Hyatt, West Tower, Purple Level* (Panel Session)  
ORGANIZER(S): Qihao Weng, Indiana State University  
CHAIR(S): Dale A. Quattrochi, NASA MSFC  
Panelists: Qihao Weng, Indiana State University; Dale A. Quattrochi, NASA MSFC; George Xian, USGS EROS Data Center; Yuyu Zhou, Pacific Northwest National Laboratory; Changshan Wu, University of Wisconsin, Milwaukee

## 4157. Climate Specialty Group Paper of the Year Awardee Presentation

- Room:** *Addams, Hyatt, West Tower, Silver Level* (Paper Session)  
ORGANIZER(S): Jennifer Collins, University of South Florida

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CHAIR(S): Jennifer Collins, University of South Florida

**8:00** Erika K. Wise\*, University of North Carolina at Chapel Hill; Matthew P. Dannenberg, University of North Carolina at Chapel Hill, *Persistence of pressure patterns over North America and the North Pacific since AD 1500.*

**4158. Global Translation and Creation of Knowledge and Practices 3**

*Room:* Burnham, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Harald Bathelt, University of Toronto; James Faulconbridge, Lancaster University; Sarah Hall, University of Nottingham

CHAIR(S): Pengfei Li

**8:00** Andrew Jones, City University; Patrik Ström\*, University of Gothenburg, *The Significance of Translation practice to Global Management: a new management geography perspective.*

**8:20** Liang-Chih Chen\*, National Taiwan University; Shih-Shen Chien, National Taiwan University, *Sourcing knowledge and upgrading stimulus from the South: The case of Taiwan's machine tool industry in China.*

**8:40** Sebastian Henn\*, University of Jena; Harald Bathelt, University of Toronto, *Cross-Cluster Knowledge Fertilization and the Generation of Buzz.*

**9:00** Matthew Zook\*, University of Kentucky; Mark Graham, Ph.D., Oxford Internet Institute, Oxford, *Airline Hackers and Knowledge Sharing: The Destabilizing of Frequent Flyer Programs.*

**9:20** Minji Kim\*, University of Wisconsin - Milwaukee, *The location of Guangzhou exhibition industry and regional development: The case of Canton Fair.*

**4159. Transport and Mobility in the Production of Urban Space I (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)**

*Room:* Dusable, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Julie Cidell, University of Illinois; David L. Prytherch, Miami University

CHAIR(S): Julie Cidell, University of Illinois

Panelists: Markus Hesse, University of Luxembourg; Theresa Erin Enright, University of Toronto; Jean-Paul Addie, University College London; Gregg Culver, Ruprecht-Karls-Universität Heidelberg

**4160. Ethnography and Critical Human Geography I (Sponsored by Political Geography Specialty Group, Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group)**

*Room:* Field, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Ishan Ashutosh, Indiana University

CHAIR(S): Alison Mountz, Wilfrid Laurier University

Introducer: Vinay Gidwani

Panelists: Ishan Ashutosh, Indiana University; Mary E. Thomas, Ohio State University; Lisa Bhungalia, Syracuse University; Emily Billo, Goucher College

**4161. Placing Race in Political Ecology I (Sponsored by Ethnic Geography Specialty Group)**

*Room:* Horner, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Richard Milligan, University of Georgia; Levi Van Sant, university of georgia

CHAIR(S): Levi Van Sant, university of georgia

**8:00** Abby Hickcox, Ph.D.\*, University of Colorado, *Participating in environmentalism is free and fun: The politics of inclusion of Latinos in environmentalism.*

**8:20** Richard Milligan\*, University of Georgia; Levi Van Sant, university of georgia, *The (Dis)placement of Race in Political Ecology.*

**8:40** Chris S. Duvall\*, University of New Mexico, *Race, Class, And Drug Use: Cannabis In The Post-Columbian Atlantic.*

**9:00** Brian Williams\*, The University of Georgia, *Seeds, pesticides and racial politics: reconsidering commodification in political ecology.*

Discussant(s): Laura Pulido, University of Southern California

**4162. Spatial Inequality IV: China I (Sponsored by China Specialty Group, Asian Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* McCormick, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Yehua Dennis Wei, University of Utah

CHAIR(S): Max Lu, Kansas State University

**8:00** Zhenhua Chen, University of Southern California; Kingsley E. Haynes\*, George Mason University, *Spatial Dynamics of the Chinese High Speed Rail: Impact Assessment on Real Estate Price.*

**8:20** Hao Huang\*, University of Utah; Yehua D Wei, University of Utah, *Spatial Inequality of Foreign Direct Investment in China: Institutional Change, Agglomeration Economies, and Comparative Advantages.*

**8:40** Yun Zhong\*, Jinan University; Yehua Dennis Wei, University of Utah; Meng Wu, Jinan University, *Inequality of Service Industrial Development in Pearl River Delta, China: Structure, Space and Dynamics.*

**9:00** Lina Liu\*, Lanzhou University; Jiansheng Qu, Lanzhou University, *The Effect of Regionalization Approaches on Regional Inequality in China's Per Capita Household CO2 Emission.*

**9:20** Felix Haifeng Liao\*, University of Idaho; Yehua Dennis Wei, University of Utah, *Agglomeration, Scale, and Regional Inequality in Provincial China: A Spatial Filtering Approach.*

**4163. Changing Landscapes and Livelihoods in the Amazon Basin I: Agriculture, natural resource use and poverty in Western Amazonia (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Development Geographies Specialty Group)**

*Room:* Ogden, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Christian Abizaid, University of Toronto; David S. Salisbury, University of Richmond

CHAIR(S): Christian Abizaid, University of Toronto

**8:00** Aaron Asa Pierce Groth\*, Department of Geography and the Environment, University of Texas at Austin, *Selective Logging of Big-Leaf Mahogany (Swietenia macrophylla) in Peruvian Indigenous Communities.*

**8:20** Steven James Rainey, Ph.D.\*, McNeese State University; Maura C. Araujo Rainey, M.A., Independent Geographer, *Dams and Floods on the Madeira River: Transformed Lives, Transformed Livelihoods..*

**8:40** Geneva List\*, Department of Geography, McGill; Oliver T. Coomes, PhD, Department of Geography, McGill, *How risky is farming on the Amazon floodplain?.*

**9:00** James Penn\*, Grand Valley State University; Elisabeth Cole, Grand Valley State University; Gerardo Bertiz Torres, The Rainforest Conservation Fund; Exiles Guerra Soplin, The Rainforest Conservation Fund, *Floodplain agroforestry systems and vulnerability to rising river levels: Implications for local income, land use and the environment for communities in the Peruvian Amazon..*

**9:20** Oliver T. Coomes\*, McGill University, Montreal, Canada; Yoshito Takasaki, University of Tokyo, Tokyo, Japan; Christian Abizaid, University of Toronto, Toronto, Canada; J. Pablo Arroyo-Mora, McGill University, Montreal, Canada, *Rural poverty among indigenous and folk peoples in Western Amazonia: The PARLAP Project.*

**4164. Geographies of Eurasia (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**

*Room:* Wright, Hyatt, West Tower, Silver Level (Paper Session)

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ORGANIZER(S): Nathaniel S. Trumbull, University of Connecticut  
CHAIR(S): Jeremy Tasch, Towson University

**8:00** Toby Martin Applegate\*, University of Massachusetts - Amherst, *Migrant Ukrainians in Slovenia*.

**8:20** Andrei Zinovev\*, Saint-Petersburg State University, *Geopolitical cleavage in electoral geography of Lithuania*.

**8:40** Lola Gulyamova\*, *Challenges and New Trends in Urban Transformation in Uzbekistan*.

**9:00** Galina Yamskikh\*, Siberian Federal University; Galina Yamskikh, AAG, *Landscapes and Climate changes on the Territory of Krasnoyarsk Depression (Siberia, Krasnoyarsk region) during the Late Neo Pleistocene and Holocene Based on Palinological Data..*

Discussant(s): Jeremy Tasch, Towson University

## 4165. Social Networks and Adaptation to Environmental Change Session I (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Michigan A, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Alexandra Paige Fischer, University of Michigan; Kerry Grimm, Northern Arizona University

CHAIR(S): Alexandra Paige Fischer, University of Michigan

**8:00** Joseph Holler\*, Middlebury College, *Problems within the correlation between social networks and adaptive capacity: an empirical test of categorical resolution*.

**8:20** Daniel Abrahams\*, University of South Carolina, *The Climate-Conflict Nexus: An Investigation of Political Networks and Policy Implications*.

**8:40** Kirsten Lackstrom\*, Carolinas Integrated Sciences & Assessments, *Collaborative approaches to managing drought: the role of stakeholder networks and institutional change in the Carolinas*.

**9:00** Paige Fischer, PhD\*, University of Michigan; Kerry Grimm, PhD, Northern Arizona University; Lorien Jasny, PhD, National Socio-Environmental Synthesis Center, *Capacity to Adapt To Increasing Wildfire Risk in a Network of Natural Resource Organizations*.

**9:20** Kerry Grimm\*, Northern Arizona University; Alexandra Paige Fischer, University of Michigan; Lorien Jasny, National Socio-Environmental Synthesis Center, *Perceived and revealed collaborative networks of forest restoration organizations and fire management agencies*.

## 4166. Geographies of Hazards Education in North American Higher Education Institutions: Fragmenting a Common Core (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Michigan B, Hyatt, East Tower, Ped Path (Panel Session)

ORGANIZER(S): Mark Barnes, Rutgers, The State University of New Jersey

CHAIR(S): Scott Curtis, East Carolina University

Panelists: Lisa M. DeChano-Cook, Western Michigan University

## 4167. Environmental Pollution in the United States

Room: Michigan C, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Andrew Hilburn, Kansas State University

**8:00** Richard Lenz\*, *Petroleum Releases from Underground Storage Tanks in Northwest Indiana: Successful Remediation Techniques and Implications of Cost Effectiveness*.

**8:20** Mathieu Carrier\*, National Institute of Scientific Research (INRS); Apparicio Philippe, National Institute of Scientific Research (INRS); Seguin Anne-Marie, National Institute of Scientific Research (INRS), *The spatial distribution of traffic-related air pollution and road traffic noise in Montreal (Canada): an environmental equity case*.

**8:40** Julie Amy Snow, Ph.D.\*, Slippery Rock University; Jack

Livingston, Ph.D., Slippery Rock University; Peter Weiss Weiss, Ph.D., University of California, Santa Cruz; Hongbo Zhou, Slippery Rock University; Victoria Yeager, Slippery Rock University; Ashley Beal, Slippery Rock University, *An investigation in airshed variability at U.S. sites with increasing mercury concentrations in rainfall*.

**9:00** Cem Akkus\*, University of Memphis; Esra Ozdenerol, University of Memphis; Jon Russ, Rhodes College, *Spatial distribution of soil lead concentrations and pediatric BLLs in Memphis, TN*.

**9:20** Andrew M. Hilburn\*, Kansas State University, *At home or to the dump? Household garbage management and the trajectories of waste in a rural-but-urbanizing Mexican municipio*.

## 4168. Advancing Geography in Federal K-12 Policy Reforms

Room: Roosevelt, Hyatt, East Tower, Ped Path (Panel Session)

ORGANIZER(S): John Wertman, Association of American Geographers

CHAIR(S): John Wertman, Association of American Geographers

Panelists: Elizabeth Purvis, Secretary of Education for the State of Illinois; Sarah Bednarz, AAG Vice President, Texas A&M University

## 4169. Geography and the Humanities at the NEH (Sponsored by Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: Randolph, Hyatt, East Tower, Ped Path (Panel Session)

ORGANIZER(S): Deborah Hurtt

CHAIR(S): Deborah Hurtt

Introducer: Deborah Hurtt

Panelists: Kathleen Brosnan, University of Oklahoma; James R. Akerman, The Newberry Library; Kelly Yvonne Hopkins; J Anthony Abbott, Stetson University

## 4170. Geographic Information Science and Technology (GIS&T) Poster Session

Room: Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)

See pages 314-319.

## 4173. Beyond motivation? Understanding enthusiasm in citizen science and volunteered geographic information

Room: Lucerne 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Hilary Geoghegan, University of Reading; Muki Haklay, University College London

CHAIR(S): Hilary Geoghegan, University of Reading

**8:00** Hilary Geoghegan\*, University of Reading, *Citizen and Scientist Enthusiasm for Tree Health Surveillance in the UK*.

**8:20** Britta Ricker, PhD\*, University of Washington Tacoma, *Look what I can do! Offering data visualization in citizen science applications for increased motivation to participate*.

**8:40** Brittany Davis\*, Allegheny College, *Motivated to Kill: Lionfish Derbies, Scuba Divers, and Citizen Science*.

**9:00** Cheryl Gilge, Ph.D.\*, University of Washington, *The rhetorical flourish of citizen participation (or, the formation of cultural fascism?)*.

## 4174. Placing the Museum: Towards Museum Geography (Sponsored by Study of the American South Specialty Group, Cultural Geography Specialty Group)

Room: Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Amy E. Potter, Armstrong State University

CHAIR(S): Amy E. Potter, Armstrong State University

Introducer: Amy E. Potter

**8:02** Amy E. Potter\*, Armstrong State University; Dydia DeLyser, California State University-Fullerton; Rebecca Saunders, Louisiana State University, *"A Tale of Mice and Men": The WPA, the LSU Indian Room Museum, and the Emergence of Professional*

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## Archaeology in the U.S. South.

- 8:20** Matthew Cook\*, University of Tennessee, *The Repercussions Today: Empathy and Counter-memory in Slavery Museum Exhibits.*
- 8:40** Steven Cooke\*, Deakin University, *Before Eichmann: Holocaust exhibitions and the 'myth of silence'.*
- 9:00** Jason Nu\*, University of Wisconsin - Madison, *Downtown Chicago as a Living Museum: Curating Urban Space and Performing Place in the Chicago Architecture Foundation's Walking Tours.*
- 9:20** Edward Cole\*, University of Glasgow, *Fragility and Durability: curating museum birds' egg collections.*

## 4175. Informality and the Everyday State - 1 (Sponsored by Urban Geography Specialty Group)

- Room:** Lucerne 3, Swissôtel, Lucerne Level (Paper Session)
- ORGANIZER(S):** Hanna Hilbrandt, The Open University; Tauri Tuvikene, Tallinn University and University College London; Hannah Schilling
- CHAIR(S):** Tauri Tuvikene, Tallinn University and University College London
- 8:00** Hanna Hilbrandt\*, The Open University, *Negotiating Formalities. States, Informality and the Politics of Regulation.*
- 8:20** Donald Leffers\*, York University, *Land developers as 'governance actors': An institutionalist analysis of land use regulation and development in the Toronto region.*
- 8:40** Benjamin Peter Clifford\*, University College London, *British local authority planners and the everyday practices of the state.*
- 9:00** Linda McCarthy\*, University of Wisconsin, *Planning Informality? Pop-up parks as temporary interventions for vacant urban sites.*
- 9:20** Christian G Haid\*, Center for Metropolitan Studies, Technical University Berlin, *Seeing From The South: Rethinking Urban Informality in Berlin.*

## 4176. Indigenous Peoples, Local Communities, and Protected Areas: Changing Paradigms and Practices? (Sponsored by Indigenous Peoples Specialty Group)

- Room:** Alpine 1, Swissôtel, Lucerne Level (Paper Session)
- ORGANIZER(S):** Stan Stevens, University of Massachusetts - Amherst
- CHAIR(S):** Stan Stevens, University of Massachusetts - Amherst
- 8:00** Lauren King\*, University of Waterloo, *Exploring the dimensions of power affecting the negotiation of co-management agreements for national park reserve in northern Canada.*
- 8:20** Diana Denham\*, Portland State University; Diana Denham, *Ten years of community conservation areas and payments for ecosystem services evaluated by communal forest owners in Oaxaca, Mexico.*
- 8:40** Michael Strong\*, University of Maryland - College Park, *Changing Geography of Place Attachment in Limpopo National Park.*
- 9:00** Thomas F Thornton\*, University of Oxford, School of Geography and the Environment; Doug Deur, Portland State University, *The Geography of Respect in Indigenous Relations with National Parks in Alaska.*
- 9:20** Stan Stevens\*, University of Massachusetts - Amherst, *Beyond Fortress Conservation: Recognizing Indigenous Peoples' Rights and Conservation Contributions in Protected Areas.*

## 4177. Spatiotemporal Symposium: Spatiotemporal Variations and their Impacts on Geographic Models (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room:** Alpine 2, Swissôtel, Lucerne Level (Paper Session)
- ORGANIZER(S):** Manzhou Yu, George Mason University

## CHAIR(S): Manzhou Yu, George Mason University

- 8:00** Manzhou Yu\*, George Mason University; Chaowei Yang, George Mason University, *Adjusting Spatiotemporal Variation of Input Parameters to Reduce Dust Model Uncertainty.*
- 8:20** Priyadarsi D. Roy\*, Instituto de Geología, Universidad Nacional Autónoma de México, México, City, CP 04510, Mexico; Axel Rivero-Navarrete, Posgrado en Ciencias de la Tierra, Universidad Nacional Autónoma de México, Mexico City, CP 04510, Mexico; Norma Lucina Hernández Juárez, Facultad de Ciencias, Universidad Nacional Autónoma de México, Mexico City, CP 04510, Mexico, *Possible Influence of Atlantic Warm Pool on Spatio-temporal Precipitation Variations over Tropical and Subtropical North America since the Last Glacial Maximum.*
- 8:40** Laura Schuch, MPH\*, Kent State University, *The Neighborhood Context of Air Quality: Spatial and Temporal Patterns of Particulate Matter.*
- 9:00** Charles I. Scaife\*, University of North Carolina at Chapel Hill; Lawrence E. Band, Dr., University of North Carolina at Chapel Hill, *Spatial and temporal scaling relationships of soil moisture in the Southern Appalachian Mountains.*

## 4178. Enforcing Borders, Controlling Immigration 1: Emerging Political Economies (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)

- Room:** Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)
- ORGANIZER(S):** Andrew David Burridge, University of Exeter; Austin Kocher, The Ohio State University, Department of Geography; Lauren Martin, University of Oulu
- CHAIR(S):** Lauren Martin, University of Oulu
- 8:00** Paige Marie Patchin\*, University of British Columbia, *Carceral feminism and the sexual economies of immigration policing.*
- 8:20** Adam Levy, Ph.D.\*, Fulbright Scholar, Moldova State University/State Institute of International Relations, *Experiments in enforcement along Europe's eastern edge: Evidence of emerging economies of exclusion in Moldova.*
- 8:40** Aaron Bobrow-Strain\*, Whitman College, *Creating Border (In)Security Industrial Subjects: Racial Economies of Border Enforcement in Douglas, Arizona.*
- 9:00** Nancy Hiemstra\*, Stony Brook University; Deirdre Conlon, Saint Peter's University, *Intimate economies of U.S. immigration detention: The construction of immigrant detainees as captive consumers, laborers, and commodities.*

## 4179. Author Meets the Interlocutors: Andy Pike's 'Origination: The Geographies of Brands and Branding' (Sponsored by Economic Geography Specialty Group)

- Room:** St. Moritz, Swissôtel, Lucerne Level (Panel Session)
- ORGANIZER(S):** Andy Pike, Newcastle University
- CHAIR(S):** Deborah Dixon, University of Glasgow
- Panelists:** Kean Birch, York University; Sarah Marie Hall, University of Manchester - Manchester; Norma Rantisi, Concordia University; Adrian Smith, Queen Mary University of London

## 4180. Creative Cities (Sponsored by Regional Development and Planning Specialty Group, Landscape Specialty Group, Urban Geography Specialty Group)

- Room:** Grindelwald, Swissôtel, Lucerne Level (Paper Session)
- ORGANIZER(S):** Bradley Bereitschaft, University of Nebraska at Omaha
- CHAIR(S):** Bradley Bereitschaft, University of Nebraska at Omaha
- 8:00** Sarah A Launius, PhD Student\*, University of Arizona,

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*Cultural Heritage and the Creative Class - Tucson, Arizona.*

**8:20** Timothy J. Brock, PhD\*, Missouri State University, *Transit Amenities, Creative City Narratives and Orlando's Economic Development Vision for Establishing a Medical Tourism and Biomedical Technology Sector.*

**8:40** Jessica R. Barnes\*, Northern Arizona University, *Handmaking your way out of poverty?: Craftwork's potential and peril as a strategy for poverty alleviation.*

**9:00** Emily Fedoruk\*, University of Minnesota, *Partners, Not Crime: Strategic Graffiti and Street Art in Wynwood, Miami.*

**9:20** Bradley Bereitschaft\*, University of Nebraska at Omaha, *Where within Chicago do creative-knowledge workers live and why? Examining the potential role of amenities and neighborhood diversity.*

**4181. Cities and Urban Regions in the Americas 1 (Sponsored by Latin America Specialty Group, Qualitative Research Specialty Group, Development Geographies Specialty Group)**

*Room: Verbier, Swissôtel, Lucerne Level (Paper Session)*

ORGANIZER(S): Betty Elaine Smith, Eastern Illinois University;  
Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul

CHAIR(S): Betty Elaine Smith, Eastern Illinois University

**8:00** Natasha Boyde, M.A. \*, California State University, *Mapping Resources and Mobility for Residents of a Mixed-Income Housing Project in Salishan, WA.*

**8:20** Trevor James Wideman\*, Queen's University, *"Japantown," Toponymic Assemblages, and Communicative Power in Vancouver's Downtown Eastside.*

**8:40** Eric Boschmann\*, University of Denver, *Asunción, Paraguay: An overview of historic urban change and current urban development planning.*

**9:00** Lesli Hoey\*, University of Michigan, *Reclaiming the authority to plan: How the legacy of structural adjustment constrained and supported Bolivia's effort to recentralize nutrition policy planning.*

**9:20** Betty Elaine Smith, Ph.D. \*, Eastern Illinois University, *The Concept of the Intermediary City.*

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## 4201. 'The Interface Envelope' by James Ash: Author Meets Critics

**Room:** Skyway 260, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Matthew W. Wilson, Harvard University  
 CHAIR(S): Matthew W. Wilson, Harvard University  
 Discussant(s): Agnieszka Leszczynski, University of Birmingham; Joe Gerlach, University of Oxford; James N. Ash, Newcastle University  
 Panelists: Harriet Hawkins; Daniel G. Cockayne, University of Kentucky; Ken Hillis, University of North Carolina - Chapel Hill

## 4202. Rethinking Ethnic Entrepreneurship (Sponsored by Business Geography Specialty Group)

**Room:** Skyway 261, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Antonie Schmiz, Goethe-Universitaet Frankfurt a.M.; Tony Hernandez, Ryerson University  
 CHAIR(S): Antonie Schmiz, Goethe-Universitaet Frankfurt a.M.  
 Panelists: Shuguang Wang, Ryerson University; Zhixi Zhuang, Ryerson University; Felicitas Barbara Hillmann, Free University Berlin; Veronique Schutjens, University of Amsterdam, The Netherlands; Linda Szabó, Central European University; Charlotte Rauchle, Humboldt-University Berlin, Geography Department

## 4205. Geographies of Body Size and Materiality II

**Room:** Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Bethan Evans, University of Liverpool; Deborah McPhail, University of Manitoba; Nicole Mixson-Perez, Baptist Health South Florida  
 CHAIR(S): Deborah McPhail, University of Manitoba  
 10:00 Jenny Lloyd\*, Newcastle University, *Relational (sized) encounters in the global city: expatriate women's experiences of nationality, ethnicity and gender through body size experiences in Singapore.*  
 10:20 Deborah McPhail, PhD\*, University of Manitoba, *When Fat Ceases to Matter: The Geographies of "Maternal Obesity," Eugenics, and the Clinical Space.*  
 10:40 Nicole Mixson-Perez, Ph.D.\*, Baptist Health South Florida; Florida International University, *Sizing Up Miami: The Politics and Discourses of 'Healthy Bodies' in the City.*  
 11:00 Bethan Evans\*, University of Liverpool; Mark Jayne\*, University of Manchester, *An absent presence? Critical embodiment and political ecology - encounters with fat and alcohol.*  
 Discussant(s): Robyn Longhurst, University of Waikato

## 4206. Examining agency in labor geography.

**Room:** Skyway 273, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Kriangsak Teerakowitkajorn, Syracuse University; Aaron Malone, University of Colorado  
 CHAIR(S): Barbara Ellen Smith, Virginia Tech  
 Panelists: Barbara Ellen Smith, Virginia Tech; Aaron Malone, University of Colorado; Steven Tufts, York University

## 4208. Perceptions and sociopolitical narratives in environmental planning II: Case studies of decision-making (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

**Room:** Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Chad Walker, Western University; Tor H Oiamo, Western University  
 CHAIR(S): Tor H Oiamo, Western University  
 10:00 Tor H Oiamo\*, Western University; Isaac N Luginaah, PhD, Western University; Joy Parr, PhD, Western University, *Integrated Environmental Health Impact Assessment: A Missed Opportunity For The Detroit River International Crossing Study?*  
 10:20 Sarah A. Mason\*, University of Western Ontario, *The Plant is up and Running and the Wounds are Yet to Heal: Biosolids Facility Siting, Community Conflict and Emotional Geographies in Rural Ontario..*

10:40 Li Kaiming\*, Tongji University, *Stakeholders' involvement and public participation activities ? a case study on the industrial land regulatory planning in Shanghai, China.*

11:00 Piotr Jankowski\*, San Diego State University, *Eliciting Public Participation in Local Land Use Planning through Geo-questionnaires.*

Discussant(s): Tor H Oiamo, Western University

## 4209. Geo-computation for environment (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

**Room:** Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Xiao-jiang Li; Chuanrong Zhang, University of Connecticut, Department of Geography; Weixing Zhang, University of Connecticut  
 CHAIR(S): Chuanrong Zhang, University of Connecticut, Department of Geography  
 10:00 Guolliang Xu, 90080218\*, Kunshan Building, Nanjing University, Nanjing, Jiangsu, China; Xianjin Huang; Yi Chen, *Assessment on the Effect of City Arable Land Protection under the Implementation of China's National General land Use Planning (2006-2020).*  
 10:20 Jingjing Li\*, Southern Illinois University; Tonny J Oyana, University of Tennessee at Memphis, *Simulating Agricultural Land Use Changes in Uganda using an Agent-Based Model.*  
 10:40 Weixing Zhang\*, Department of Geography, University of Connecticut; Weidong Li, Department of Geography, University of Connecticut; Chuanrong Zhang, Department of Geography, University of Connecticut, *Comparison of land cover classification accuracies using the Markov chain random field (MCRF) cosimulation approach with different conventional classifiers.*  
 11:00 Weidong Li, University of Connecticut, Department of Geography & Center for Environmental Sciences and Engineering; Chuanrong Zhang\*, University of Connecticut, Department of Geography & Center for Environmental Sciences and Engineering, *Optimal neighborhood sizes and sectorization for Markov chain random field simulation.*

## 4210. Emerging real and fictitious geographies of global financial networks II (Sponsored by Economic Geography Specialty Group)

**Room:** Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Sabine Dörry, University of Oxford; Daniel Haberly, University of Sussex  
 CHAIR(S): Sabine Dörry, University of Oxford  
 10:00 Matthew Zook, University of Kentucky; Michael H. Grote\*, Frankfurt School of Finance & Management, *The Microgeographies of Global Finance: High Frequency Trading and the Construction of Information Inequality.*  
 10:20 Jakob Engel\*, University of Oxford, *Banks, trading houses and the evolving political economy of commodity markets.*  
 10:40 Dariusz Wojcik\*, School of Geography and the Environment, Oxford University, *International financial centres in the wake of the crisis: the case of Sydney.*  
 11:00 Daniel Haberly\*, University of Sussex, *Offshore financial centers and the subprime crisis: Culprits or bystanders?.*  
 11:20 Andrew Leyshon\*, University of Nottingham; Paul Langley, University of Durham, *The place of crowdfunding: reality and fiction in the emergence of peer-to-peer finance.*

## 4211. Spatial Optimization and Analysis II (Sponsored by Geographic Information Science and Systems Specialty



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## Room: **Group, Spatial Analysis and Modeling Specialty Group**

*Skyway 285, Hyatt, East Tower, Blue Level* (Paper Session)

ORGANIZER(S): Daoqin Tong, University of Arizona - Geography & Regional Development; Ran Wei, University of Utah

CHAIR(S): Ran Wei, University of Utah

**10:00** Jake Nelson\*, Drexel University; Jennifer Bauer, Department of Energy - National Energy Technology Lab; Lisa Madsen, Oregon State University; Malgo Pesynska, Oregon State University; Mina Ossianer, Oregon State University; Juliana Mbuthia, Department of Energy - National Energy Technology Lab, *Spatially Integrated Multivariate Probability Assessment (SIMPA)*.

**10:20** Subhajit Ghoshal, PhD\*, Air Products and Chemicals Inc; Peter M Verderame, PhD, Air products and Chemicals Inc; Pratik Misra, PhD, Air products and Chemicals Inc.; Erdem Arslan, PhD, Air products and Chemicals Inc; Nicolas Saint Leon Martin, Air products and Chemicals Inc., *Resource Planning and Network Design through Advanced Allocation Analytics*.

**10:40** Beibei Guo\*, Nanjing University; Xiaobin Jin, Dr. and Prof.; Daoqin Tong, Dr. and Prof., *Optimal Spatial Allocation of Water Resources Based on Mixed Integer Programming and Its Decomposition*.

**11:00** Tom Cova\*, University of Utah; Piotr Jankowski, San Diego State University, *Mapping spatial uncertainty in object-fields: the case of site suitability analysis*.

**11:20** Qiuping Li\*, Center of Integrated Geographic Information Analysis(CIGNA) School of Geography and Planning ,Sun Yat-sen University; Zhixiang Fang, State Key Laboratory for Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University; Lee D. Han, Department of Civil & Environmental Engineering, The University of Tennessee; Lin Liu, Center of Integrated Geographic Information Analysis(CIGNA) School of Geography and Planning ,Sun Yat-sen University; Department of Geography, University of Cincinnati, Cincinnati, OH, USA, *Optimizing Mixed Pedestrian-Vehicle Evacuation by Adaptive Network Reconfiguration*.

## 4213. **Career Mentoring D (Sponsored by AAG Jobs and Careers Theme)**

*Room: Columbus AB, Hyatt, East Tower, Gold Level* (Panel Session)

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

CHAIR(S): Mark Revell, Association of American Geographers - Washington, DC

Discussant(s): Wei Li, Arizona State University; Caroline Faria, University of Texas - Austin; Carmen Brysch; Jacqueline Waite, National Council for Geographic Education; Zachary R. Dulli, National Council For Geographic Education; Denise Blanchard-Boehm, Texas State University

## 4214. **From Ain to Bustamante: Papers in Honor of Elisabeth Butzer (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Historical Geography Specialty Group)**

*Room: Columbus CD, Hyatt, East Tower, Gold Level* (Paper Session)

ORGANIZER(S): William E. Doolittle, University of Texas

CHAIR(S): Douglas L. Johnson, Clark University

**10:00** Karl Offen\*, University of Oklahoma, *The Amerindian Slave Trade in Colonial Mosquitia*.

**10:15** Matthew C. LaFevor, Ph.D.\*, National Socio-Environmental Synthesis Center (SESYNC), University of Maryland, *Snow Harvesting in Colonial Veracruz, Mexico*.

**10:30** Gregory W. Knapp\*, University of Texas - Austin, *Elisabeth Butzer's Contributions to Geography: A Digital Archival Journey*.

**10:45** Christine Drennon\*, Trinity University, *Archival Sources*

*and Archaeological Evidence: honoring the work of Elisabeth Butzer*.

**11:00** Margaret Kaluzny, Ph.D.\*, College of San Mateo, *Reflections on Elisabeth Butzer in the Field*.

**11:15** Miguel Aguilar-Robledo\*, Universidad Autonoma De San Luis Potosi, *Celebrating Elisabeth and Karl Butzer: a tribute from Mexico*.

Discussant(s): William E. Doolittle, University of Texas

## 4215. **Ethnographic Tactics for Multispecies Contact Zones 2**

*Room: Columbus EF, Hyatt, East Tower, Gold Level* (Paper Session)

ORGANIZER(S): Jamie Lorimer, University of Oxford; Eben Kirksey, University of New South Wales

CHAIR(S): Eben Kirksey, University of New South Wales

**10:00** Eva Simone Hayward, PhD\*, University of Arizona - Tucson, *Trans\*Poiesis of FingeryEyes: Philia For Balanophyllia elegans (Cup Corals)*.

**10:20** Beth Greenhough\*, University of Oxford; Emma Roe, University of Southampton, *In search of somatic sensibilities: Exploring ethics through multi-species ethnography*.

**10:40** Jamie Lorimer\*, University of Oxford, *Reworming: a tactical rewinding experiment*.

**11:00** Nicholas Shapiro\*, Public Lab + Chemical Heritage Foundation, *Respiring with the Rhizosphere, or How to Endure Late Industrialism*.

Discussant(s): Henry Buller

## 4216. **Big Data for Urban and Regional Analysis (II)**

*Room: Columbus G, Hyatt, East Tower, Gold Level* (Paper Session)

ORGANIZER(S): David C. Folch, Florida State University; Daniel Arribas-Bel, Emmanouil Tranos, University of Birmingham

CHAIR(S): Daniel Arribas-Bel

**10:00** Weiyang Zhang\*, Ghent University; Ben Derudder, Ghent University; Jianghao Wang, Institute of Geographic Sciences and Natural Resources Research, CAS, *Assessing spatial patterns using Chinese location-based social media: the case of Weibo-users' intercity connections in the Yangtze River Delta*.

**10:20** Liz Robson\*, CURDS Newcastle University; Randal Richardson, CURDS Newcastle University, *Big Data and the Governance of Cities: developing, managing and monitoring the city*.

**10:40** Tao Cheng\*, University College London, *Reducing London Tube Congestion by Identifying Flexible Travellers with Smart Card Data*.

**11:00** Emmanouil Tranos\*, University of Birmingham, *Mobile phone data and motorway traffic: can the former detect the latter?*.

## 4237. (formerly 4217) **Sexual Harassment in Fieldwork and Laboratory Settings: A Discussion on Existing Policy Frameworks and Developing a Guide to Best Practices for Geography (Sponsored by Geographic Perspectives on Women Specialty Group, Association of American Geographers, Sexuality and Space Specialty Group)**

*Room: Wrigley, Hyatt, West Tower, Bronze Level* (Panel Session)

ORGANIZER(S): Pratyusha Basu, University of Texas at El Paso; Lisa Davis, University of Alabama

CHAIR(S): Lisa Davis, University of Alabama

Panelists: Carmen Burkhalter, University of North Alabama; Bandana Kar, University of Southern Mississippi; Joann Mossa, University of Florida; Ann Oberhauser, West Virginia University; Lesley Rigg, Northern Illinois University; Julianne Rutherford, University of Illinois, Chicago

## 4219. **Geographies of Care Beyond the Normative Life Course II**

*Room: Columbus KL, Hyatt, East Tower, Gold Level* (Paper Session)

ORGANIZER(S): Eleanor Wilkinson, University of Leeds; Nathaniel M. Lewis, University of Southampton

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CHAIR(S): Max Andrucki, Temple University

**10:00** Nathaniel M. Lewis\*, University of Southampton, *Gay Community Transition in the 'Ordinary City': Implications for Social Support Later in Life.*

**10:20** William McKeithen\*, University of Washington, *'Crazy Cat Ladies' and the Queering of (Post)Humanist Care Ethics.*

**10:40** Eleanor Wilkinson\*, University of Southampton, *The right to be alone: Single life and the geographies of solitude.*

Discussant(s): Max Andrucki, Temple University

**4220. Sports Geography II: Using Sports to Teach Geography (Sponsored by Recreation, Tourism, and Sport Specialty Group, Geography Education Specialty Group)**

*Room:* Grand A, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Steven P. Ericson, University of Alabama

CHAIR(S): Steven P. Ericson, University of Alabama

Panelists: Fred M. Shelley, University of Oklahoma; Jonathan Leib, Old Dominion University; Neil Conner, University of Tennessee; Lisa M. DeChano-Cook, Western Michigan University; Daniel McGowin

**4221. New Methods in the Spatial Analysis of Populations II (Sponsored by Population Specialty Group)**

*Room:* Grand B, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Pablo Mateos, CIESAS; Alex Singleton, University of Liverpool

CHAIR(S): Alex Singleton, University of Liverpool

**10:00** Robert G. Cromley\*, University of Connecticut; Shuwei Zhang, University of Connecticut; Natalia Vorotyntseva, University of Connecticut, *Concentration Based Data Classification for Choropleth Mapping.*

**10:20** David A. Plane\*, University of Arizona; Peter A. Rogerson, University at Buffalo, *On Calculating, Tracking and Disaggregating Center Points of Population.*

**10:40** Thomas Niedomysl\*, Lund University; Ola Hall, Lund University; Ulf Ernstson, Gothenburg University, *Using Satellite Data on Nighttime Lights to Measure Contemporary Human Migration Distances.*

**11:00** Kristine Witkowski, PhD\*, University of Michigan, *Reliability of Disclosure Risk Estimates Across Interpolation Methods: Variation in Sex-Age-Race Compositions of Pixels.*

**11:20** Byong-Woon Jun\*, Kyungpook National University, *Effect of Grid Cell Size on the Accuracy of Dasymetric Population Estimation.*

**4222. Practicing and Performing 'New' Economic Geography: Method, Theory, Analysis and Impact (I) (Sponsored by AAG Jobs and Careers Theme, Economic Geography Specialty Group)**

*Room:* Grand C/D North, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Vida Vanchan, SUNY Buffalo State; John R. Bryson, University of Birmingham

CHAIR(S): Vida Vanchan, SUNY Buffalo State

**10:00** Michiel Van Meeteren\*, Ghent University; Ate Poorthuis, Department of Geography, University of Kentucky; Ben Derudder, Department of Geography, Ghent University; Zachary P Neal, Department of Psychology & Global Urban Studies Program, Michigan State University; Frank Witlox, Department of Geography, Ghent University; Matthew Zook, Department of Geography, University of Kentucky, *Central Places and "Big Data": Recalibrating Christaller's Theories via the Geoweb.*

**10:20** Dawn M Drake, PhD\*, Missouri Western State University, *When the Model Meets the Suburbs: von Thunen in the Modern US.*

**10:40** David Bieri, Ph.D.\*, University of Michigan, *Hamlet without the Prince? Economic Geographies of Money and Finance without Monetary Theory.*

**11:00** John R. Bryson\*, University of Birmingham, *Beyond Clusters and Networks: Business Models and Economic Geography.*

**11:20** Hyejin Yoon, PhD\*, Department of Geography, University of Wisconsin - Milwaukee, *When The Simpsons goes to South Korea: global production networks of the animation industry in Seoul, South Korea.*

**4223. PREM: Settler Colonialism, Militarism, and the Carceral State II: Absences and Violent Erasures (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)**

*Room:* Grand C/D South, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Jenna M. Loyd, University of Wisconsin-Milwaukee; Anne Bonds, University of Wisconsin, Milwaukee; Brett Story, University of Toronto

CHAIR(S): Judah Schept, Eastern Kentucky University

**10:00** Nasrin Himada\*, Université de Montréal; Nasrin Himada, *"Incarceration is Colonization." On Violence Against Indigenous Women.*

**10:20** Andrea Medovarski\*, York University, *Art and Unmanageability: The Middle Passage and Contemporary Carceral Logics.*

**10:40** Ted Rutland\*, Concordia University, *Topologies of policing and anti-blackness in Montréal.*

Introducer: Jenna M. Loyd

Discussant(s): Judah Schept, Eastern Kentucky University

**4224. Questioning geography's 'healthy subject' I: Geography and Mental Health (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Disability Specialty Group)**

*Room:* Grand E/F, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Beverley Mullings, Queen's University; Linda Peake, York University; Kate Parizeau, University of Guelph

CHAIR(S): Kate Parizeau, University of Guelph

Introducer: Beverley Mullings

Panelists: Linda Peake, York University; Vera Chouinard, McMaster University; Lakhbir K. Jassal; Nazgol Bagheri; Nicole Laliberte, University of Toronto - Mississauga; John Paul Catungal, University of British Columbia

**4225. A Research Coordination Network for Geography Education (Sponsored by Geography Education Specialty Group)**

*Room:* Grand Suite 2 AB, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Michael N. Solem, Association of American Geographers

CHAIR(S): Michael N. Solem, Association of American Geographers

**10:00** Michael N. Solem\*, Association of American Geographers; Richard Boehm, Dr., Texas State University, *A Research Coordination Network for Geography Education.*

**4226. Vegetation Dynamics II (Sponsored by Biogeography Specialty Group, Mountain Geography Specialty Group)**

*Room:* Grand Suite 3, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Jeremy Johnson, Texas A&M; Parveen Kumar Chhetri, Texas A&M University

CHAIR(S): Parveen Kumar Chhetri, Texas A&M University

**10:00** Daehyun Kim\*, University of Kentucky, *Effects of Spatial Autocorrelation on the Prediction of Plant Diversity Along a Foredune Ridge in Taeanhaean National Park, South Korea.*

**10:20** Achla Joshi, MES candidate\*, Queen's University; Ryan Danby, Associate Professor, Queen's University, *Distribution, Associations, and Limiting Growth Factors of Range-Edge Tree Species on the Frontenac Arch, Ontario.*

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**10:40** Edith Pounden\*, Concordia University; David F. Greene, Humboldt State University, *Evidence Against Precipitation as a Cue for Masting in Picea glauca*.

**11:00** Mark A. Blumler\*, SUNY-Binghamton, *Clementsian Assumptions*.

**11:20** Parveen Kumar Chhetri\*, Texas A&M University; David Cairns, Texas A&M University; Raju Bista, Tribhuvan University, *Growing season temperature and treeline structure of Barun valley, eastern Nepal Himalaya*.

**4227. CyberGIS Symposium: Geospatial and Spatiotemporal Ontology and Semantics II (Landscape Ontology Modeling) (Sponsored by Cyberinfrastructure Specialty Group, Cartography Specialty Group)**

**Room:** Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Gaurav Sinha, Ohio University; Chen-Chieh Feng, Geography, National University of Singapore; Alexandre Sorokine, Oak Ridge National Laboratory  
CHAIR(S): Chen-Chieh Feng, Geography, National University of Singapore

**10:00** E. Lynn Usery\*, U.S. Geological Survey, *Generating Terrain Semantics from Topographic Map Representations*.

**10:20** Dalia Varanka\*, United States Geological Survey, *An Applied Ontology of Semantics Associated with Surface Water*.

**10:40** Chen-Chieh Feng\*, Geography, National University of Singapore; Alexandre Sorokine, Oak Ridge National Laboratory, *Comparison of terrain categories in Wikipedia and in national data standards*.

**11:00** Jill Saligoe-Simmel, Ph.D.\*, Saligoe-Simmel, LLC; Boice Tomlin, Run Skip LLC, *Integrated Geospatial Metadata Services through the National GIS Inventory*.

**11:20** Gaurav Sinha\*, Ohio University; David M. Mark, University at Buffalo, *Toward a Unified Terrain Ontology*.

**4228. International Jewish Culture and Settlements**

**Room:** Plaza A, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): David Neal Miller, The Ohio State University

**10:00** Monica Hamblet\*, The Ohio State University, *Heimishkayt and Homesteading: Jewish Spheres of the American Plains and Wild West*.

**10:20** Geoffrey Algar\*, The Ohio State University, *Heimishkeyt, Science Fiction, and Jewish Literature*.

**10:40** David Neal Miller\*, The Ohio State University, *Endpoints: Contested Notions of 'from' and 'to' in Ashkenazic Cultural Geography*.

**4229. Our Water, Our Future; the Critical Question of Water Resources Sustainability (Sponsored by Water Resources Specialty Group)**

**Room:** Plaza B, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Joseph Terzungwe Zume, Shippensburg University

CHAIR(S): Joseph Terzungwe Zume, Shippensburg University

**10:00** Suzanne Cotillon\*, EROS Data Center; Gray G. Tappan, USGS EROS Data Center, *Soil and Water Conservation Practices in the Sahel: A Case Study of Western Niger*.

**10:20** Elliot Donoghue Wickham\*, East Carolina University; Christopher M Zarzar, Mississippi State University, *Improving Drought Management Through Hydroclimatology and Hydrology: A Case Study of Raleigh, North Carolina*.

**10:40** Caroline E Pavlowsky\*, University of Oklahoma, *Water Management in the Southern High Plains of Texas: An Institutional Analysis of Water Governance*.

**11:00** Deborah Ayodele\*, Arizona State University; Kelli L. Larson, PhD, Arizona State University, *Water Use Trends in Arizona's Active Management Areas (1985-*

*2005)*.

**11:20** Omer Faruk Keskin\*, Turkish Military Academy, Old Dominion University, *Taking Precautions Against the Water Shortage*.

**4230. Using Remote Sensing to Analyze Environmental Change Around the World**

**Room:** Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mehmet Ozdes

**10:00** Chunhong Zhao\*, Texas State University - San Marcos; Jennifer L.R. Jensen, Texas State University - San Marcos, *Monitoring land cover change in the twin cities along the border between Mexico and the USA*.

**10:20** Jonathan Boyd Thayne, Ph.D.\*, Illinois State University, *Mapping Forest Disturbance using the Spectral Distance to Health Forest*.

**10:40** Ike Sari Astuti\*, University of Georgia; Sachidananda Mishra, Dow Agrosiences LLC; Blake A Schaeffer, Environmental Protection Agency, Research Triangle Park, NC; Deepak Mishra, University of Georgia, *A Quasi Analytical Approach for Deriving Inherent Optical Properties in Florida Estuary Waters*.

**11:00** Siripon Kamontum\*, Geo-informatics and Space Technology Development Agency of Thailand; Anusorn Rungsipanich; Kampanat Deudomchan; Thudchai Sansena; Siam Lawawirojwong, *Satellite-based Flooded Area and Depth Prediction*.

**11:20** Mehmet Ozdes\*, University of Florida; Jane Southworth, PhD, University of Florida; Brian Child, PhD, University of Florida, *A Historical Perspective of Land Cover and Land Use Change in Kafue National Park and Surrounding Landscape*.

**4231. Geographical Perspectives on Landscapes, Literature and Architecture (Sponsored by GeoHumanities Theme)**

**Room:** Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): GeoHumanities

CHAIR(S): GeoHumanities

**10:00** David Callenberger\*, University of Wisconsin, Madison, *Grids, Desire Lines, and Icons: Cultural Materiality and Modernity in South Africa*.

**10:20** Kolson Lee Schlosser\*, Temple University, *Nature-Society Dialectics and Class Struggle in Selected Works of Jack London*.

**10:40** Robert Briwa\*, Kansas State University, *Geographic Perspectives on the Provencal Literary Tradition*.

**11:00** Angela Person, MA, PhD Candidate\*, The University of Oklahoma, *"A kind of quiet that only walls can enforce": The Hirshhorn Museum and Sculpture Garden*.

**11:20** Elizabeth Lyon\*, *Landscapes, Cityscapes, Storyscapes: Physical and virtual environments merging to shape space and place*.

**4232. Food Networks and Politics I: Urban Scenarios (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

**Room:** Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Daniel Liadsky

**10:00** Lauren Stovall Loney\*, Student, *Assessing Food Inequalities in Dayton, Ohio and the Surrounding Area*.

**10:20** Eric Reiff\*, University of Colorado, *Growing people: urban backyard food production in Denver, Colorado*.

**10:40** Taro Futamura\*, Doshisha University, *What about Labor? Growth of Urban Agriculture in Detroit, Michigan and Its Future Challenges*.

**11:00** Hui Luan\*, University of Waterloo; Jane Law, Dr., University of Waterloo; Leia Minaker, Dr., University

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of Waterloo, *Diving into the consumer nutrition environment: a retail food environment index based on spatial Bayesian factor analysis at a small-area level.*

11:20 Daniel Liadsky\*, Ryerson University; Brian Ceh, Ryerson University, *Food Consumption and the Retail Food Environment: Examining Toronto's Food Scapes.*

## 4233. Distinguished Historical Geographer Plenary: The Legacy of the Slums (Sponsored by Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)  
ORGANIZER(S): Anne Kelly Knowles, Middlebury College  
CHAIR(S): Anne Kelly Knowles, Middlebury College  
Introducer: Maria D. Lane  
Panelists: Gerry Kearns, Maynooth University

## 4235. In the Green Kitchen: Critically assessing Domestic Energy Interventions for Climate and Development (Session 2) (Sponsored by Energy and Environment Specialty Group, Development Geographies Specialty Group)

Room: Picasso, Hyatt, West Tower, Bronze Level (Paper Session)  
ORGANIZER(S): Robert Bailis, Yale University; Jasmine Hyman, Yale University  
CHAIR(S): Robert Bailis, Yale University  
10:00 Jasmine Hyman\*, Yale University, "Charismatic carbon" interventions under the CDM: When does clean energy lead to local development?  
10:20 Deepti Chatti\*, Yale University, *Improved cookstoves as development interventions in rural India.*  
10:40 Yiting Wang\*, Yale University; Robert Bailis, Yale University, *The revolution from the kitchen: social processes of removal of traditional cookstoves in Himachal Pradesh, India.*  
Discussant(s): Robert Bailis, Yale University

## 4236. Historical Ecology (II.) (Sponsored by Biogeography Specialty Group)

Room: Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)  
ORGANIZER(S): Steve Tulowiecki; Chris Larsen, University At Buffalo  
CHAIR(S): Steve Tulowiecki  
10:00 Nicole A. Wagner\*, West Chester University; Joy A. Fritschle\*, West Chester University of Pennsylvania, *Reconstructing the Historical Wetlands and Streams of Philadelphia.*  
10:20 Stephen J Tulowiecki, PhD\*, University at Buffalo; Chris Larsen, PhD, University at Buffalo; Yi-Chen Wang, PhD, National University of Singapore, *Relationships between lake-effect snowfall and tree species distributions in Western New York, USA.*  
10:40 Marlin Bowles\*, The Morton Arboretum; Jeanette McBride, Alaska Dept. of Fish & Game; Robert Fahey, The Morton Arboretum, *Hierarchical Relationships Between Landscape Firebreaks, Pre-settlement Vegetation Pattern, and Oak Dominance in the Prairie Peninsula Region of Northeastern Illinois.*  
11:00 David Mladenoff\*, University of Wisconsin-Madison; Jodi A. Forrester, University of Wisconsin-Madison; Mathew Noone, University of Wisconsin-Madison, *Deriving past forest disturbance severity from a new historical data set from the post logging period.*  
11:20 John W Williams\*, University of Wisconsin-Madison; Simon Goring, University of Wisconsin-Madison; Madeline Ruid, University of Wisconsin-Madison; Charles Cogbill; Michael Dietze, Boston University; Stephen T Jackson, University of Arizona; Jason McLachlan, University of Notre Dame; David Mladenoff, University of Wisconsin-Madison; Christopher Paciorek, University of California, Berkeley; Sydne Record, Bryn Mawr College, *The Effect of Historic Land Use and Climate Change on Taxa-Climate Relationships for major tree genera in northeastern US forests.*

4237. See page 333

## 4238. Advances in the Spatial Epidemiology of Socioeconomic Determinants, Access, and Health (Sponsored by International Geospatial Health Research Network, Health and Medical Geography Specialty Group)

Room: Acapulco, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Blake Byron Walker, Simon Fraser University; Ofer Amram, Simon Fraser University  
CHAIR(S): Blake Byron Walker, Simon Fraser University  
10:00 Ofer Amram\*, Simon Fraser University, *Spatial analysis of The Relationship Between Socio-Economic Status and Pediatric Injury in BC.*  
10:10 Camelia Maria Kantor, PhD, MBA\*, Claflin University; Mihail Radu Kantor, PhD, Claflin University, *Collard greens to address lactose intolerance in African Americans. A Simple Targeted Public Health Policy with Broad Ramifications.*  
10:25 Richard Casey Sadler, PhD\*, Michigan State University; Jason A Gilliland, PhD, University of Western Ontario, *Combining GPS Tracking and Activity Diaries to Objectively Measure Exposure to and Consumption of Junk Foods among Children.*  
10:40 Dr. Elizabeth Judge, JD, PhD\*, University of Ottawa; Cheryl Power, JD, LL.M., University of Ottawa, Ottawa, ON, *Legal requirements and Best Practices for Accessing and Licensing Data & Research Results in Spatial epidemiological research.*  
10:55 Prestige Tatenda Makanga, Mr. \*, Health Geography, Simon Fraser University; Tabassum Firoz, Dr., Child and family Research Institute, University of British Columbia; Nadine Schuurman, Dr., Health Geography, Simon Fraser University; Charfudin Sacoar, Mr., Manhica Research Centre, Mozambique; Khatia Munguambe, Dr., Manhica Research Centre, Mozambique; Helena Boene, Ms., Manhica Research Centre, Mozambique; Esperanca Sevene, Dr., Manhica Research Centre, Mozambique; Marianne Vidler, Ms., Child and family Research Institute, University of British Columbia; Peter von Dadelnszen, Dr., Child and family Research Institute, University of British Columbia, *The Socio-economic And Environmental Risk Factors Associated With Adverse Maternal Outcomes in Mozambique: A Mixed Methods Approach.*  
11:10 Blake Byron Walker\*, Simon Fraser University; Nadine Schuurman, Simon Fraser University; Ajit Auluck, British Columbia Cancer Agency; Scott Lear, Simon Fraser University; Miriam Rosin, British Columbia Cancer Agency, *Evaluating head and neck cancer patients' access to treatment centres in British Columbia.*  
11:20 Thomas Koch, PhD\*, University of British Columbia, Dept. of Geography, *Ebola Maps: What they say, and don't say, about the epidemic, and us.*

## 4239. Environmental Exposures and Health (Sponsored by International Geospatial Health Research Network)

Room: Atlanta, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign  
CHAIR(S): Warren Christopher Jochem, University of Colorado at Boulder  
10:00 Trang VoPham, PhD, MS\*, University of Pittsburgh; Maria Mori Brooks, PhD, University of Pittsburgh; Jian-Min Yuan, MD, PhD, University of Pittsburgh; Evelyn O. Talbott, DrPH, University of Pittsburgh; Darren Ruddell, PhD, University of Southern California; Joyce Chung-Chou Ho Chang, PhD, University of Pittsburgh; Joel L. Weissfeld, MD, MPH, University of Pittsburgh, *Pesticide Exposure and Hepatocellular Carcinoma Risk: A Case-Control Study Using a Geographic*

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*Information System (GIS) to Link SEER-Medicare and California Pesticide Data.*

- 10:20** Trevor J B Dummer\*, University of British Columbia; Zhijie Yu, Dalhousie University; Laura Nauta, Dalhousie University; Louise Parker, Dalhousie University, *Toenail Clippings As A Biomarker of Exposure To Environmental Heavy Metals: Geospatial Analysis of Arsenic In Nova Scotia.*

- 10:40** Qu Cheng\*, Tsinghua University; Tianhong Li, University of California Davis Comprehensive Cancer Center; Peng Gong, Tsinghua University, *Analysis of Environmental and Socio-economic Factors of Cancer Villages in China.*

- 11:00** Huixuan Li\*, Auburn University; Yingru Li, Auburn University, *Spatial-Temporal Analyses of Heavy Metal Water Pollution and Impacts on Public Health in China.*

- 11:20** Warren C. Jochem\*, University of Colorado at Boulder; Elisabeth D. Root, University of Colorado at Boulder, *Groundwater Use and Arsenic Avoidance in Rural Bangladesh.*

**4240. Health Disparities (Sponsored by Symposium on International Geospatial Health Research: Creating Synergies)**

*Room:* Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Sue C. Grady, Michigan State University  
**10:00** Kirsten M. M. Beyer, PhD, MPH, MS\*, Medical College of Wisconsin; Yuhong Zhou, MS, ME, BE, Medical College of Wisconsin; Kevin Matthews, MS, University of Iowa; Amin Bemanian, BS, Medical College of Wisconsin; Purushottam Laud, PhD, Medical College of Wisconsin; Ann B Nattinger, MD, MPH, Medical College of Wisconsin, *Cancer and Disparity in the Context of Residential Racial Segregation: Evidence from Southeastern Wisconsin.*

**10:20** Yan Lin\*, Department of Geography, South Dakota State University, Brookings, SD 57007, USA; Hilary Hungerford, Department of Geography, South Dakota State University, Brookings, SD 57007, USA, *A multilevel approach to understand and reduce cancer disparities in South Dakota.*

**10:40** Sue C. Grady, PhD, MPH\*, Michigan State University; Libbey Kutch, MS, Michigan State University, *Winter in Northern Michigan and Perinatal Health Challenges.*

**11:00** Jonnell A Robinson\*, Syracuse University; Lauren S Miller, MS, Syracuse University; Donald Cibula, PhD, SUNY Upstate Medical University, *A spatial epidemiologic examination of maternal nativity and preterm birth risk factors in Syracuse, NY.*

**11:20** Dajun Dai\*, Georgia State University; Scott Weaver, Georgia State University; Christine Stauber, Georgia State University; Richard Rothenberg, Georgia State University; Ruiyan Luo, Georgia State University, *Temporal changes of health disparities in Atlanta (2000 -2010) and policy implications.*

**4241. Health and Environment II: Understanding Interactions in a Dynamic World (Sponsored by Cultural and Political Ecology Specialty Group, International Geospatial Health Research Network, Health and Medical Geography Specialty Group, Development Geographies Specialty Group)**

*Room:* New Orleans, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Heidi Hausermann, Rutgers University; Brian King, Pennsylvania State University

CHAIR(S): Brian King, Pennsylvania State University

**10:00** Peter D. Howe, PhD\*, Utah State University, *How do you define a heat wave? Mapping subjective perceptions of extreme heat and heat-related health risks in the U.S..*

**10:20** Nari Senanayake\*, Pennsylvania State University,

*Chemical Legacies and the Environment-Disease-Poverty Nexus: Tracing the emergence of Chronic Kidney Disease of Unknown Etiology in North-Central Sri Lanka.*

**10:40** Lara J Iverson\*, SUNY University at Buffalo, *Spatiotemporal Modeling of Attitudes and Behaviors among Tuberculosis-Infected Persons after Public Health Intervention in Lusaka, Zambia.*

**11:00** Emma Lawlor\*, University of Arizona, School of Geography and Development, *The Road to a Clinic: The Response in El Salvador to Rural Kidney Disease.*

Discussant(s): Eric D. Carter, Macalester College

**4242. Economic Geography XII - Unemployment, Skills, Employment: Cycle or Evolution (Sponsored by Economic Geography Specialty Group)**

*Room:* Regency A, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; David L. Rigby, UCLA

CHAIR(S): Jennifer Clark, Georgia Institute of Technology

**10:00** Mikhail Martynovich\*, Lund University, *Spatial evolution of knowledge-intensive ICT services in Sweden: On the role of mobile entrepreneurs.*

**10:20** Lisa Östbring\*, Department of Geography and Economic History, Umea University; Rikard Eriksson, Department of Geography and Economic History, Umeå University; Urban Lindgren, Department of Geography and Economic History, Umeå University, *Relatedness through experience: On the importance of collected worker experiences for plant performance.*

**10:40** Anet Weterings\*, PBL Netherlands Environmental Assessment Agency, *Exiting unemployment: the role of industry-specific skills and relatedness of the regional-economic structure.*

**11:00** Martin Henning\*, University of Gothenburg, Lund University; Mikhail Martynovich, Lund University, *Building a labor force in renewing industries.*

Discussant(s): David L. Rigby, UCLA

**4243. Technology and the cities of tomorrow: Exploring the smart city imagery (and beyond) (2)**

*Room:* Regency B, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Marco Santangelo, Politecnico di Torino; Alberto Vanolo, Università di Torino, Dipartimento Culture, Politica e Società; Ramon Ribera-Fumaz, Fundació Per a La Universitat Oberta De Catalunya

CHAIR(S): Marco Santangelo, Politecnico di Torino  
**10:00** Jean-Baptiste Fretigny, Lecturer in Geography\*, Cergy University (Paris), *'Smart Cities' in the Eye of 'Airport Cities': Questioning Performative Strategies.*

**10:20** Cristina Capineri\*, DISPOC, Università di Siena; Claudio Calvino, dr., OII - Kantar Media, *Citizens and institutions as information prosumers. the case study of italian municipalities on Twitter..*

**10:40** Lars Bocker\*, Utrecht University; Toon Meelen, Utrecht University; Pieter van der Glind, Utrecht University; Mendel Giezen, Dr., Utrecht University; Koen Frenken, Prof.dr., Utrecht University, *Who Wants to Share? An Identification of User and Supplier Profiles and Motivations to Participate in Multiple Sharing Economies.*

**11:00** Joan Ganau\*, University of Lleida, *Planning Creativities? Urban regeneration and cultural industries in Barcelona's Poblenou.*

**11:20** Ramon Ribera-Fumaz\*, Fundació Per a La Universitat Oberta De Catalunya; Hug March, Fundació Per a La Universitat Oberta De Catalunya, *From "Smart" to "Commons" sense? Avenues and limits to "commoning" as an urban counternarrative in Barcelona.*

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## 4244. The Global Geography of the Rare Earth Frontier II

**Room:** Regency C, Hyatt, West Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Julie Klinger, University of California-Berkeley  
 CHAIR(S): Julie Klinger, University of California-Berkeley  
 Introducer: Paul S. B. Jackson  
 Discussant(s): Mazen Labban, Rutgers University; Matthew Himley, Illinois State University  
 Panelists: Jeffrey S. Jenkins, University of California, Santa Cruz

## 4245. China in the World (Sponsored by China Specialty Group)

**Room:** Regency D, Hyatt, West Tower, Gold Level (Paper Session)  
 ORGANIZER(S): David W. Edgington, University of British Columbia  
 CHAIR(S): Clifton W. Pannell, University of Georgia  
 10:00 Si Cai\*, UCLA, *Chinese Transnational Corporations: market-led or state-led?*  
 10:20 Dylan Beatty\*, University of Hawai'i at Manoa, *A Sea of Rhetoric: Geopolitical Representations and Spatial Claims in the South China Sea*  
 10:40 Tom Narins\*, University of California Los Angeles (UCLA), *China's Comparative Trade Engagement in Latin America: The Case of Technology Upgrading*  
 11:00 Michael Webber\*, University of Melbourne, *China's Water Industry / Machine: Challenging the Chinese State and Challenging Africa*  
 11:20 Clifton W. Pannell\*, University of Georgia, *China's Global Repositioning and its Impact in Africa*

## 4246. Research into the Physical Geography of China (Sponsored by China Specialty Group)

**Room:** San Francisco, Hyatt, West Tower, Gold Level (Paper Session)  
 ORGANIZER(S): David W. Edgington, University of British Columbia  
 CHAIR(S): Guzhalaiyi Sataer, Western Michigan University  
 10:00 Guzhalaiyi Sataer\*, *Spatial Pattern of Drought Persistence in Xinjiang, China*  
 10:20 Yaning Chen\*, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *Progress and prospects of climate change impacts on Eco-hydrology in the arid region of Northwest China*  
 10:40 Jianhua Ma\*, Henan University, *Random prefractal dimension and length uncertainty of the continental coastline of China*  
 11:00 Tongxin Zhu\*, University of Minnesota, *Soil and water loss under storms of varied recurrence intervals in the semiarid hilly loess region of China: upscaling from hillslope to watershed scale*

## 4247. Networks, Teleconnections, and Political Ecologies in Land Systems Science (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Geographies of Food and Agriculture Specialty Group)

**Room:** Toronto, Hyatt, West Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Burak Guneralp, Texas A&M University; Jacqueline Vadjunec, Oklahoma State University; Andrew Millington, Flinders University  
 CHAIR(S): Ariane C. De Bremond, University of California  
 10:00 Ariane C. De Bremond, PhD\*, University of Maryland, College Park, *Understanding Large-Scale Land Acquisitions and their Land Change Dimensions: Socio-Environmental Synthesis of the Global 'Rush' for Land*  
 10:20 Burak Guneralp\*, Texas A&M University; Karen C. Seto, Yale School of Forestry and Environmental Studies; Mahesh Ramachandran, *Four manifestations of urban land teleconnections*  
 10:40 Andrew Millington\*, Flinders University; Andrew Millington, Professor, Flinders University, *Illegal global commodity chains and land use teleconnections*

11:00 Jacqueline M. Vadjunec, PhD\*, Oklahoma State University; Todd Fagin, PhD, Department of Geography and Environmental Sustainability, University of Oklahoma; Nicole Colston, PD, Department of Geography, Oklahoma State University; Amy Graham, Department of Geography, Oklahoma State University; Kathryn Wenger, Department of Geography, Oklahoma State University, *Contested Frontiers: Governance, Land-Use/Land-Cover Change (LULCC), and Vulnerability to Drought in the Grasslands of the American West*  
 Discussant(s): Dianne E. Rocheleau, Clark University

## 4248. Tourism, natural and cultural resource management in cross-border areas - an interdisciplinary approach (Sponsored by Recreation, Tourism, and Sport Specialty Group)

**Room:** Crystal A, Hyatt, West Tower, Green Level (Paper Session)  
 ORGANIZER(S): Arie Stoffelen, University of Leuven; Dimitri Ioannides, Mid-Sweden University  
 CHAIR(S): Dimitri Ioannides, Mid-Sweden University  
 10:00 Arie Stoffelen, University of Leuven, Belgium; Dimitri Ioannides\*, Mid-Sweden University, *Tourism governance and regional development in the German - Czech borderlands: an interdisciplinary perspective*  
 10:20 Dorien Vanden Boer\*, Ghent University, *Tourism and the politics of place making on the frontier: the case of the Jordan River Peace Park*  
 10:40 Ohsoon Yun\*, *Coffee Tourism Development at the Cross-Borders: The Case of Kaffa and Jimma in Ethiopia*  
 11:00 Dallen J. Timothy\*, Arizona State University; Weibin Su, Guilin Institute of Tourism, China; Xiaotao Lin, Sun Yat-sen University, China, *Tourism at the Sino-Vietnamese Border: Attractions, Landscapes and Barriers*  
 Discussant(s): Jarkko J. Saarinen, University of Oulu

## 4250. Managing the "Ecosystem" of Departments: Best Practices in Academic Team-Building

**Room:** Crystal C, Hyatt, West Tower, Green Level (Panel Session)  
 ORGANIZER(S): Derek H. Alderman, University of Tennessee  
 CHAIR(S): Derek H. Alderman, University of Tennessee  
 Panelists: Daniel Z. Sui, The Ohio State University; Mandy Munro-Stasiuk, Kent State University; Thomas L. Mote, University of Georgia; Dale Lightfoot, Oklahoma State University; Patrick Pease, University of Northern Iowa; Jamie L. Winders, Syracuse University

## 4251. Planetary rent gaps, shifting capital flows and the "gentrification" of the global semi-periphery (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

**Room:** Stetson A, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Antonios Vradis; Jaya Clara Brekke  
 CHAIR(S): Jaya Clara Brekke  
 10:00 Rachel Granger\*, Middlesex University, London, *A Tale of Two Cities: Spatial Change Through Rent Gap and Spatial Fixes*  
 10:20 James P. Freeman\*, Concordia University, *Pacification by Gentrification: Mega-Events and the Transformation of Rio de Janeiro's Favelas*  
 10:40 Carolyn Gallaher\*, American University, *Managing Disinvestment: The Control Board and the Gentrification 'Fix' in Washington DC.*  
 11:00 Antonios Vradis\*, *The greek crisis and the "gentrification" of the European semi-periphery*  
 11:20 Jaya Clara Brekke\*, Durham University, *Going round in circles*

## 4252. Geography's Learning Communities: Experiences linking Geography courses with non-Geography courses in lower

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*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Panel Session)  
 ORGANIZER(S): Sarah Goggin, Cypress College  
 CHAIR(S): Sarah Goggin, Cypress College  
 Panelists: Victoria S. Downey, Anoka-Ramsey Community College; Sarah Goggin, Cypress College

**4253. Demographic Change in New Immigrant and Refugee Destinations (Sponsored by Population Specialty Group)**

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Christopher Strunk, Augustana College; Kyle Walker, Texas Christian University  
 CHAIR(S): Christopher Strunk, Augustana College  
 10:00 Kyle Walker\*, Texas Christian University, *Immigration and the "Great Inversion"*.  
 10:20 Christopher Strunk\*, Augustana College, *Immigrants, Refugees, and Urban Revitalization in the Midwest*.  
 10:40 Marie Price, Professor\*, George Washington University; Gloriana Sojo, Graduate Student, George Washington University, *Dreamers No More: Insurgent Citizenship and the Politics of Immigrant Inclusion in Virginia*.  
 11:00 Josepha Milazzo\*, Aix-Marseille University and Autonomous University of Barcelona, *International immigration and the development of a global Mediterranean village: Living and working experiences of Bolivians in Spanish Cadaqués*.  
 11:20 Ana Melisa Pardo, PhD\*, Universidad Nacional Autonoma De Mexico, *Migration and development. Economic and social impact of Mexican immigrants in Minnesota*.

**4254. Beyond Greening? Questioning the social, environmental and spatial consequences of 'green' economic development #2 (Sponsored by Economic Geography Specialty Group)**

*Room:* Stetson E, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Rob Krueger, Worcester Polytechnic Institute; Julia Affolderbach, University of Hull; David C. Gibbs, University of Hull  
 CHAIR(S): Christian Schulz, University of Luxembourg  
 10:00 Cary Yungmee Hendrickson\*, University of Rome La Sapienza; Kirsty Holstead, The James Hutton Institute; Anke Fischer, The James Hutton Institute, *Transition Talk: Exploring the Imaginations of Community Based Initiatives in Transitions Toward Low-Carbon Society*.  
 10:20 Kathleen McAfee\*, San Francisco State University, *Green economy and its others: scarcity, (de)growth, buen vivir*.  
 10:40 Daniel Florentin\*, LATTS - Université Paris Est, *Large Technical Systems in transition: rescaling of their management and production of new geographies. Insights from a German case*.  
 Discussant(s): Laureen Elgert

**4255. Human Impacts on Watershed Processes II (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)**

*Room:* Stetson F, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Shixiong Hu, Department of Geography, East Stroudsburg University of PA  
 CHAIR(S): Shixiong Hu, Department of Geography, East Stroudsburg University of PA  
 10:00 Quinn Lewis\*, University of Illinois at Urbana-Champaign; Bruce Rhoads, Ph.D, University of Illinois at Urbana-Champaign; William Andresen, University of Illinois at Urbana-Champaign, *Historical Channel Change in an Intensively Managed Landscape: Natural versus Human-induced Effects*.  
 10:20 Kimberly Lyons\*, University of South Florida St Petersburg; Barnali Dixon, PhD., University of South Florida St Petersburg, *Modifying the Revised Universal Soil Loss Equation (RUSLE) R and LS Factors to*

*Identify Soil Erosion 'Hot Spots' in the Rio Fajardo Watershed*.

10:40 Amber Saylor Mase, PhD\*, University of Wisconsin - Madison; Adena R Rissman, PhD, Assistant Professor, University of Wisconsin-Madison, *Assessing the usefulness of future scenarios for society: A case study of the Yahara Watershed, Wisconsin*.

11:00 Colin Belby\*, University of Wisconsin - La Crosse; Gretchen Gerrish, University of Wisconsin - La Crosse, *Measuring Ecosystem Response to Disturbance in the Upper Mississippi River Using Floodplain Lake Sediment*.

**4256. Global Urban Observation (II): Filling Gaps between Earth Observation and Urban Systems (Sponsored by Remote Sensing Specialty Group)**

*Room:* Stetson G, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Qihao Weng, Indiana State University  
 CHAIR(S): Changshan Wu, University of Wisconsin, Milwaukee  
 10:00 Gustavo Alberto Ovando\*, Oklahoma State University, *Geographic assessment of urban quality of life using socioeconomic and environmental factors across Mexico City*.  
 10:20 Tao Yuan\*, Indiana State University; Qihao Weng, Indiana State University; Yanhua Xie, Indiana State University, *Estimation of Economic Activities across US Counties Using Remotely Sensed Nighttime Imagery*.  
 10:40 Magdalena Benza\*, San Diego State University; John Weeks, San Diego State University; Douglas Stow, San Diego State University; David Lopez-Carr, University of California, Santa Barbara; Keith Clarke, University of California, Santa Barbara, *Fertility and Urban Context: A case study from West Africa using remotely sensed imagery and GIS*.  
 11:00 Avery Sandborn\*, George Washington University; Ryan Engstrom, George Washington University; Qin Yu, George Washington University, *Examining the Relationship between Spatial Features Derived from High Resolution Satellite Imagery and Census Derived Variables in Accra, Ghana*.  
 11:20 Changshan Wu, Professor\*, University of Wisconsin, Milwaukee, *Incorporating geographic information to remote sensing of urban analysis*.

**4257. The Politics of Utopia and Dystopia: Exploring Geographies of Speculative Fiction (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)**

*Room:* Addams, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Jared Patrick Van Ramshorst, Syracuse University; Madeleine Hamlin, Syracuse University  
 CHAIR(S): Jared Patrick Van Ramshorst, Syracuse University  
 10:00 David Gerald Morello Leonard, PhD in Progress at York University\*, *"This Was Expo" -- Ephemeral Space at Expo 67*.  
 10:20 Mark Featherstone\*, Keele University, *'Wanna Fight?': Urban Utopia-Dystopia in Nicolas Winding Refn's Drive and Only God Forgives*.  
 10:40 Gabriella Olshammar\*, University of Gothenburg, *Heterotopia adrift Dystopian Science Fiction Scenarios and the Trivial World*.  
 11:00 Jared P. Van Ramshorst\*, Syracuse University, *Dystopian Possibilities: Henri Lefebvre and the Making of Other Spaces in Science Fiction*.  
 Discussant(s): Matthew Gandy, University College London

**4258. Subnational Governance and Conflict (Sponsored by Political Geography Specialty Group, Africa Specialty Group)**

*Room:* Burnham, Hyatt, West Tower, Silver Level (Panel Session)  
 ORGANIZER(S): Clionadh Raleigh, University of Sussex; Andrew Linke, University of Colorado  
 CHAIR(S): Clionadh Raleigh, University of Sussex



**FRIDAY, APRIL 24 • 10:00 AM - 11:40 AM • 4200**

Introducer: Clionadh Raleigh

Discussant(s): Colin Flint, Utah State University

Panelists: Steven M. Radil, University of Idaho; Andrew Linke, University of Colorado; John V. O'Loughlin, University of Colorado; Clionadh Raleigh, University of Sussex; Nel Vandeckerckhove, University of Amsterdam

- 4259. Transportation and Mobility in the Production of Urban Space II (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)**  
*Room:* Dusable, Hyatt, West Tower; Silver Level (Paper Session)  
 ORGANIZER(S): Julie Cidell, University of Illinois; David L. Prytherch, Miami University  
 CHAIR(S): David L. Prytherch, Miami University  
**10:00** Peter V. Hall\*, Simon Fraser University, *The Social Life of Truck Routes*.  
**10:20** David L. Prytherch\*, Miami University, *"Streets for Everyone: " Mobility, Rights, and the Complete Street*.  
**10:40** Jason Henderson, Professor\*, San Francisco State University, *From Climate Fight to Street Fight: The Politics of Mobility and the Right to the City*.  
 Discussant(s): Andrew E.G. Jonas, University of Hull

- 4260. Ethnography and critical human geography II (Sponsored by Political Geography Specialty Group, Qualitative Research Specialty Group, Ethnic Geography Specialty Group)**  
*Room:* Field, Hyatt, West Tower; Silver Level (Panel Session)  
 ORGANIZER(S): Ishan Ashutosh, Indiana University  
 CHAIR(S): Jennifer Hyndman, York University  
 Panelists: Richa Nagar, University of Minnesota - Minneapolis; Jessie Speer; Nancy Hiemstra, Stony Brook University; Nicole Nguyen, University of Illinois - Chicago; Mathew Coleman, Ohio State University

- 4261. Placing Race in Political Ecology II (Sponsored by Ethnic Geography Specialty Group)**  
*Room:* Horner, Hyatt, West Tower; Silver Level (Paper Session)  
 ORGANIZER(S): Richard Milligan, University of Georgia; Levi Van Sant, university of georgia  
 CHAIR(S): Abby Hickcox, University of Colorado, Boulder  
**10:00** Katharine Bradley\*, UC Davis, *Infusing Racial Analysis and Tightening Political Ecological Subfields: an urban farmer field school case study*.  
**10:20** Justine Lindemann\*, Cornell University, *Reimagining the City: Race, Food, and the Production of Space in Cleveland, Ohio*.  
**10:40** Antonia Giles\*, Davidson College, *The Alternative Food Movement in Detroit*.  
**11:00** Johnathan Rose\*, Queen's University, *Disorder and Dispossession: Ontario Provincial Parks and Climate Change Narratives*.  
 Discussant(s): Julian Agyeman, Tufts University

- 4262. Spatial Inequality V: China II (Sponsored by China Specialty Group, Asian Geography Specialty Group, Economic Geography Specialty Group)**  
*Room:* McCormick, Hyatt, West Tower; Silver Level (Paper Session)  
 ORGANIZER(S): Yehua Dennis Wei, University of Utah  
 CHAIR(S): Haifeng LIAO, University of Idaho  
**10:00** Stanley Toops\*, Miami University, *Regional Inequality in Xinjiang, China*.  
**10:20** Kyung-Min Nam\*, The University of Hong Kong, *Is the Spatial Distribution of China's Population Excessively Unequal?: A Cross-Country Comparison*.  
**10:40** Han Li\*, Department of Geography, University of Utah, *Urban Land Expansion and Spatial Dynamics in Globalizing Shanghai*.  
**11:00** Li Yu\*, University of Lethbridge; Wei Xu, University of Lethbridge, *Housing inequality: causes, patterns and its spatial process*.  
**11:20** Pu Hao\*, Hong Kong Baptist University, *Residential*

*Segregation and Spatial Inequality: An Empirical Analysis of Access to Amenities in Shenzhen.*

- 4263. Changing Landscapes and Livelihoods in the Amazon Basin 2: Bridging top-down approaches of environmental change with bottom-up socio-ecological adaptation approaches (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Human Dimensions of Global Change Specialty Group)**

- Room:* Ogden, Hyatt, West Tower; Silver Level (Paper Session)  
 ORGANIZER(S): Christian Abizaid, University of Toronto; Nathan Vogt, inpe; Victor Gutierrez-Velez, Columbia University  
 CHAIR(S): Victor Gutierrez-Velez, Columbia University  
**10:00** Nathan D. Vogt, PhD\*, inpe; Miguel Pinedo-Vasquez, PhD, Columbia University; Katia Fernandes, PhD, Columbia University; Oriana Almeida, PhD, Federal University of Pará, Brazil; Sergio Ribero, PhD, Federal University of Pará, Brazil; Peter Deadman, PhD, University of Waterloo; Fernando G Rabelo, Forest Engineer, State University of Amapá; You Dou, University of Waterloo, *Historical and contextual complexity of adaptation and socio-ecological resilience to changing flood patterns at the Amazon delta*.  
**10:20** Yue Dou\*, University of Waterloo; Peter Deadman, University of Waterloo; Oriana Almeida, Universidade Federal do Para; Sergio Rivero, Universidade Federal do Para; Nathan Vogt, National Institute of Space Research, *Exploring the impacts of cash transfers on household resilience in Amazon estuary region of Brazil--an agent-based simulation*.  
**10:40** Christian Abizaid\*, University of Toronto, *Long-term responses to environmental change: persisting and dissipating effects of the Masisea cutoff along the Ucayali River in Western Amazonia 15 years later*.  
**11:00** Victor Gutierrez-Velez\*, Columbia University; Miguel Pinedo-Vasquez, Columbia University; Maria Uriarte, Columbia University; Katia Fernandes, Columbia University; Walter Baethgen, Columbia University; Ruth DeFries, Columbia University; Christine Padoch, CIFOR; Naomi Schwartz, Columbia University, *Understanding climatic, socio-demographic, and land-use drivers of fires in Western Amazonia*.  
 Discussant(s): Emilio F. Moran, Michigan State University

- 4264. Geographies of Russia (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**  
*Room:* Wright, Hyatt, West Tower; Silver Level (Paper Session)  
 ORGANIZER(S): Nathaniel S. Trumbull, University of Connecticut  
 CHAIR(S): Nathaniel S. Trumbull, University of Connecticut  
**10:00** Rosibel Roman\*, Florida International University, *Constructing Ecocide? Critical Analyses of Western Discursive Portrayals of Soviet Environmental Degradation*.  
**10:15** Olga Petri\*, University of Cambridge, *Policing queer St. Petersburg: male homosexual experience in early 20th-century Russia*.  
**10:30** Kira Morachevskaia\*, Saint-Petersburg State University, *Spatio-temporal dynamics of socio-economic development of Russian-Belorussian border regions*.

- 4265. Social Networks and Adaptation to Environmental Change Session II (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group)**  
*Room:* Michigan A, Hyatt, East Tower; Ped Path (Paper Session)  
 ORGANIZER(S): Alexandra Paige Fischer, University of Michigan; Kerry Grimm, Northern Arizona University  
 CHAIR(S): Kerry Grimm, Northern Arizona University



# FRIDAY, APRIL 24 • 10:00 AM - 11:40 AM • 4200

- 10:00** Alexis Gonin\*, Université Paris 1 Panthéon Sorbonne, *Socio-economic capital, building of networks, and unequal adaptive capacities among the FulBe of southwestern Burkina Faso and northern Côte d'Ivoire.*
- 10:20** Aparna Kumari, MS\*, University of Idaho; Tim G Frazier, PhD, University of Idaho, *Understanding adaptive and/or structural social process for social capital assessment: A case study of Manatee County, Florida.*
- 10:40** Jan Petzold\*, University of Hamburg, *Potential and limitations of social capital for adaptation to climate change on small islands - A case study on the Isles of Scilly, United Kingdom.*
- 11:00** Catherine Day, M.S.\*, UW-Madison, *Networks for Resilience? A Network Political Ecology of Agricultural Climate Adaptation in New Mexico.*
- 11:20** Roopali Phadke\*, Macalester College; Christina Manning, Macalester College, *Ready & Resilient: Modeling a citizen jury approach to climate adaptation planning.*

**4266. Weather and Society Integrated Studies (WAS\*IS) (Sponsored by Hazards, Risks, and Disasters Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)**

Room: Michigan B, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): David A. Call, Ball State University  
CHAIR(S): Eve Gruntfest

**10:00** Andrea J. Ray, Ph.D.\*, NOAA/Earth System Research Lab; Heather M. Yocum, Ph.D., Univ of Colorado/CIRES, *User studies: Integrating social science to create usable weather knowledge.*

**10:16** Sudha Arlikatti, B.Arch., M.C.P., Ph.D.\*, University of North Texas, *Households' Immediate Responses to the 2013 Flash Floods in a Himalayan State of North India.*

**10:32** Kimberly E. Klockow, UCAR Postdoctoral Researcher, NOAA/OAR/OWAQ; Randy A. Peppler\*, University of Oklahoma, *Local Tornado Knowledge, Beliefs, and Risk Perception - Building Upon the Central Oklahoma Tornado Town Hall Meetings of Fall 2012.*

**10:48** Alan W. Black\*, University of Georgia, *Winter Precipitation Impacts on Automobile Crashes in the United States.*

**11:04** David A. Call\*, Ball State University; Katelyn E. Grove, Ball State University; Paul J. Kocin, NOAA, *A Meteorological and Social Comparison of the Boston Blizzards of 1978 and 2013.*

**4267. Environmental Resilience: International Cases**

Room: Michigan C, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ruth Laranja, UnB

**10:00** Tianyu Li\*, Mississippi State University; Qingmin Meng, Mississippi State University, *spatial patterns of vegetation in response to climate change in Gulf of Mexico coastal region, USA.*

**10:20** Shabnam Delfan Azari\*, *Carbon Capturing and Scenario Planning at the Landscape Scale with GIS in England.*

**10:40** Hanson Nyantakyi-Frimpong\*, The University of Western Ontario; Rachel Bezner Kerr, Cornell University, *Climate change, quick-maturing crops and dietary diversity in Ghana and Malawi.*

**11:00** Handi Chandra Putra\*, Rutgers University, *Residential planning for climate resilience.*

**11:20** Ruth Elias de Paula Laranja, Ruth Laranja\*, UnB; Ane Caroline Amaral Carvalho, UnB; Roselir Oliveira Nascimento, UnB, *Analysis of a natural system: delimitation of spatial limits of subsystem verda with the emphasis on environmental preservation.*

**4268. Plurality of Community Engaged Geographies (Sponsored by Geographic Perspectives on Women Specialty Group,**

**Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**

Room: Roosevelt, Hyatt, East Tower, Ped Path (Panel Session)

ORGANIZER(S): Amy Piedalue, University of Washington; Sarah Hunt

CHAIR(S): Sarah Hunt

Panelists: Sarah Hunt; Amy Piedalue, University of Washington; Cindy Holmes, Simon Fraser University; Heather E. Castleden, Queen's University; Naomi Simmonds, The University of Waikato

**4270. Geographic Information Science and Technology (GIS&T) Poster Session**

Room: Riverside Exhibit Hall, Hyatt, East Tower, Purple Level (Poster Session)

See pages 314-319.

**4269. Incoherence and coherence: the lived contradictions of everyday life**

Room: Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Alex Loftus, King's College London; Jean Lave, University of California, Berkeley

CHAIR(S): Alex Loftus, King's College London

**10:00** Ellen Moore\*, *"Thank You For Your Service": the Production of Militarized Common Sense on College Campuses.*

**10:20** Jean Lave\*, University of California, Berkeley, *Practices of Decontextualization and Lived Contradictions.*

**10:40** Michael Ekers\*, University of Toronto, *Free Labour on Farms and the Concreteness of the Everyday.*

**11:00** Alex Loftus\*, King's College London, *Thesis VI: Living as an ensemble of social (and ecological) relations.*

Discussant(s): Gillian Hart, University of California, Berkeley

**4273. Addressing Atmospheric Problems**

Room: Lucerne 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Ted Christopher Eckmann, University of Portland

CHAIR(S): Ted Christopher Eckmann, University of Portland

**10:00** Costanza Rampini, Ph.D. Candidate\*, UC Santa Cruz, Environmental Studies Department, *Climate Change and Hydropower Development along the Brahmaputra River in Northeast India.*

**10:20** Alexandria Gartside McCombs\*, University of South Carolina, *Influence of Spatial Precision on Modeled Climatological Carbon Footprints: A Sensitivity Analysis.*

**10:40** Alexa Dugan\*, US Forest Service; Richard Birdsey, US Forest Service; Fangmin Zhang, University of Toronto; Sean Healey, US Forest Service; Jing Chen, University of Toronto; Christopher Woodall, US Forest Service; Alex Hernandez, Utah State University, *Integrating models, inventories, and satellite imagery to quantify drivers of forest carbon trends and guide management planning on public lands.*

**11:00** Nicole D Chase\*, Portland State University; Ted C Eckmann, University of Portland, *GIS Hotspot Analysis of Environmental Toxins in the Air and Water at a Municipal Scale.*

**11:20** Ted C Eckmann, PhD\*, University of Portland, *The Effects of Spatial and Temporal Resolutions on Numerical Model Simulations of Future Climate Changes.*

**4274. Towards more 'critical' geographies of heritage and its making 1 (Sponsored by Cultural Geography Specialty Group)**

Room: Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Claudio Minca, Wageningen University; Hamzah Muzaini, Wageningen University

CHAIR(S): Claudio Minca, Wageningen University

**10:00** Timur Hammond\*, UCLA, *The Ottoman Past in a Global*

# FRIDAY, APRIL 24 • 10:00 AM - 11:40 AM • 4200

*Present: The Case of Feshane.*

**10:20** George Steve Jaramillo\*, University of Edinburgh, *Extractive Geographies, Enacted Lives: Narrative and Heritage in the Lead Mining region of the southern Peak District, England.*

**10:40** Rosa Cerarols\*, Universitat Pompeu Fabra Barcelona; Antonio Luna, Universitat Pompeu Fabra of Barcelona, *Critical geographies of memory and identity: contested urban narrations in "Born Centre Cultural" in Barcelona.*

**11:00** William Price\*, Central Connecticut State University, *The Role of Heritage in the Reassertion of Tasmanian Aboriginal Identity and Rights.*

**11:20** Mike Crang\*, Durham University, *Ethnic Tourism: Enabling Minority Identities or Creating Biocultural Resources for the Chinese Ecological State?*

## 4275. Informality and the Everyday State - 2 (Sponsored by Urban Geography Specialty Group)

*Room:* Lucerne 3, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Hanna Hilbrandt, The Open University; Tauri Tuvikene, Tallinn University and University College London; Hannah Schilling

CHAIR(S): Hanna Hilbrandt, The Open University

**10:00** Tauri Tuvikene\*, Tallinn University and University College London, *The "will to govern" and legality: the necessity of informality in urban governing.*

**10:20** Joanna Kusiak\*, University of Warsaw, *The Role of Informality in the Formal Proceedings of Law: Judicial-Administrative Anti-Urbanism and the Case of Reprivatization in Warsaw.*

**10:40** D. Asher Ghertner\*, Rutgers University, *Planning as Mimicry: Ethnographic Reflections on Informality In India's Unauthorized Colonies.*

**11:00** Hannah Schilling\*, Humboldt University of Berlin; Elsa Carvalho, Ecole des Hautes Etudes en Sciences Sociales, *The right to housing under pressure: How informal practices can become a resource to access housing in Paris and Berlin.*

Discussant(s): Nicholas Blomley, Simon Fraser University

## 4276. Coastal and Marine Student Paper Merit Competition I - Environmental/Physical (Sponsored by Coastal and Marine Specialty Group)

*Room:* Alpine 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Thomas Crawford, Saint Louis University

CHAIR(S): Thomas Crawford, Saint Louis University

**10:00** Donna Selch\*, Florida Atlantic University; Caiyun Zhang, PhD, Florida Atlantic University, *Hyperspectral Responses to Changes in Salinity for Juncus roemerianus.*

**10:20** Valeria I. Torres-López\*, University of Puerto Rico, Río Piedras Campus, Geography Department, *Beach geomorphological assessment at Ocean Park Beach, San Juan, Puerto Rico (2014-2015).*

**10:40** Patrick Barrineau\*, Texas A&M University; Chris Houser, PhD, Texas A&M University, *Using Remotely Sensed Data and Geophysical Surveys to Characterize Stabilized Aeolian Landscapes.*

**11:00** Keren Bolter\*, Florida Atlantic University, *Perceived risk versus Actual Risk to Sea-Level Rise: A Case Study in Broward County, FL.*

**11:20** Brianna Hammond\*, Texas A&M University; Christopher Houser, PhD, Texas A&M University, *Using Foredunes to Quantify Rate of Recovery of Assateague Island, MD.*

## 4277. Spatiotemporal Symposium: Using Social Media for Disaster Management (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

*Room:* Alpine 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Qunying Huang, University of Wisconsin - Madison; Guido Cervone, Pennsylvania State University

CHAIR(S): Qunying Huang, University of Wisconsin - Madison

**10:00** Qunying Huang\*, University of Wisconsin - Madison; Yu Xiao, Texas A&M University, *Mining Tweets for Disaster Preparedness, Emergency Response, Impact, and Recovery Analysis.*

**10:20** Elena Sava\*, Pennsylvania State University; Guido Cervone, Pennsylvania State University, *Utilizing Social Media to Fill the Gaps of Remote Sensing Observations During Emergencies.*

**10:40** Sergio Hernandez\*, Student, *Social Media as potential spatial indicator for flu and pneumonia.*

**11:00** Joshua Vertalka\*, Michigan State University, *Predicting Influenza Emergency Room Hospital Admissions in New York City through Twitter.*

Discussant(s): Caixia Wang, University of Alaska Anchorage

## 4278. Enforcing Borders, Controlling Immigration 2: Governmental Assemblages (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)

*Room:* Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Austin Kocher, The Ohio State University, Department of Geography; Lauren Martin, University of Oulu; Andrew David Burridge, University of Exeter

CHAIR(S): Austin Kocher, The Ohio State University, Department of Geography

**10:00** Josh Watkins, PhD Candidate\*, University of California, Davis, *Deterring Asylum Seekers: Australia's "Targeting Diaspora Communities" media campaign.*

**10:20** Jill Williams\*, University of Hawai'i-Manoa, *Compassion and Capacity in US Immigrant Family Detention.*

**10:40** Elisa Pascucci\*, University of Tampere, *Paper title: Social Infrastructures of Migration Governance: Refugee Community Organizations, Affective Labour, and the Aid Industry in Egypt.*

**11:00** Lauren Martin, PhD\*, University of Oulu, *Topological Borders and the Commodification of Migration Controls.*

**11:20** Anne-Laure Amilhat-Szary, Université Joseph Fourier; Frederic Giraut\*, Université de Genève, *Borderities, the politics of contemporary mobile borders.*

## 4279. Transitional Energy Markets after 1990 (Sponsored by Energy and Environment Specialty Group, European Specialty Group, Economic Geography Specialty Group)

*Room:* St. Moritz, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Balázs Forman, Corvinus University of Budapest

CHAIR(S): Balázs Forman, Corvinus University of Budapest

**10:00** Simon Kretz\*, Karlsruhe Institute of Technology, *The decommissioning of nuclear facilities in Germany: Population at stake?*

**10:20** Jerl Levi McCollum\*, University of North Texas, *Bolivia's Transition to Compressed Natural Gas: The Spatial Implications of Urban Transport Governance.*

**10:40** Richard S. Kujawa\*, Saint Michael's College, Vermont, *Critical Pedagogies of Environmental Governance: Coal Ash, Waste, and Discourses of Environmental Justice in the Liberal Arts classroom.*

**11:00** Rolf Sternberg, Ph.D., Professor\*, Montclair State University, *Hydropower: From Stream to Oceans - Multiple Energy Contexts.*

## 4280. Informality, Informal Settlements, and Health Geographies in Africa (Sponsored by GeoHumanities Theme, Africa Specialty Group)

*Room:* Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Raymond Asare Tutu, Delaware State University

# FRIDAY, APRIL 24 • 10:00 AM - 11:40 AM • 4200

CHAIR(S): Justin Stoler, University of Miami

**10:00** Liam Riley\*, Balsillie School of International Affairs,  
*Urban informal food systems in sub-Saharan Africa  
and the geographies of urban poverty.*

**10:20** Raymond Asare Tutu\*, Delaware State University; Justin  
Stoler, Ph.D., University of Miami, *Social processes  
in informality: daily struggles for water access in two  
urban slums in Greater Accra, Ghana.*

**10:40** Alex Wafer\*, University of the Witwatersrand,  
Johannesburg, *Fire and the magic of the state in an  
informal settlement in Johannesburg.*

**11:00** Deborah Potts\*, King's College London, *Informal African  
cities in a globalized world: vulnerable livelihoods in  
the absence of social safety nets.*

**11:20** Justin Stoler\*, University of Miami; Raymond A Tutu,  
Delaware State University; Kiana Winslow, University  
of Miami, *Piped Water Flows but Sachet Consumption  
Grows: The Paradoxical Drinking Water Landscape of  
an Urban Slum in Ashaiman, Ghana.*

**4281. Cities and Urban Regions in the Americas 2 (Sponsored  
by Latin America Specialty Group, Qualitative Research  
Specialty Group, Development Geographies Specialty Group)**

Room: *Verbier, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Betty Elaine Smith, Eastern Illinois University;  
Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul

CHAIR(S): Betty Elaine Smith, Eastern Illinois University

**10:00** François Raulin\*, Université De Montreal; Pierre Gauthier,  
Concordia University; Juan Buzzetti, Concordia  
University; Sébastien Lord, Université de Montréal, *On  
barriers, boundaries and urban form. A case study in  
Montreal metropolitan area.*

**10:20** Felipe Link\*, Pontificia Universidad Catolica De Chile/  
COES; Adriana Marín, Pontificia Universidad Católica  
de Chile/ COES; Felipe Valenzuela, Pontificia  
Universidad Católica de Chile/ COES, *The contested  
space. Defence capabilities in the Barrio Puerto  
neighbourhood. Democratic heritage in Valparaiso?.*

**10:40** Ekaterina Belova, PhD student in geography\*, Lomonosov  
Moscow State University, *The cinema industry as a  
factor of a socio-economic development of cities (New  
York City and Chicago).*

**11:00** Norman Carter\*, California State University, Long Beach,  
*Multi-faceted Urban Regimes.*

# FRIDAY, APRIL 24 • 11:50 AM - 1:10 PM • 4300

**4306. Transportation Geography Specialty Group Business Meeting (Sponsored by Transportation Geography Specialty Group)**  
*Room: Skyway 273, Hyatt, East Tower; Blue Level (Meeting Session)*

**4313. Private/Public Affinity Group Business Meeting (Sponsored by Private/Public Affinity Group)**  
*Room: Columbus AB, Hyatt, East Tower; Gold Level (Meeting Session)*

**4315. Disability Specialty Group Business Meeting (Sponsored by Disability Specialty Group)**  
*Room: Columbus EF, Hyatt, East Tower; Gold Level (Meeting Session)*

**4316. Paleoenvironmental Change Specialty Group Business Meeting (Sponsored by Paleoenvironmental Change Specialty Group)**  
*Room: Columbus G, Hyatt, East Tower; Gold Level (Meeting Session)*

**4319. Conversation on the Future of Physical Geography II (Sponsored by Symposium on Physical Geography Theme)**  
*Room: Columbus KL, Hyatt, East Tower; Gold Level (Panel Session)*  
 ORGANIZER(S): Julie Winkler, Michigan State University  
 CHAIR(S): Julie Winkler, Michigan State University

**4325. Geography Education Specialty Group Business Meeting (Sponsored by Geography Education Specialty Group)**  
*Room: Grand Suite 2 AB, Hyatt, East Tower; Gold Level (Meeting Session)*

**4326. Mountain Geography Specialty Group Business Meeting (Sponsored by Mountain Geography Specialty Group)**  
*Room: Grand Suite 3, Hyatt, East Tower; Gold Level (Meeting Session)*

**4336. Study of the American South Specialty Group Business Meeting (Sponsored by Study of the American South Specialty Group)**  
*Room: Water Tower, Hyatt, West Tower; Bronze Level (Meeting Session)*

**4348. Spatial Analysis and Modeling Specialty Group Business Meeting (Sponsored by Spatial Analysis and Modeling Specialty Group)**  
*Room: Crystal A, Hyatt, West Tower; Green Level (Meeting Session)*

**4350. Journal of Geography in Higher Education 2015 Annual Lecture "Transitions in U.S. Higher Education: Implications for Geography Learning" (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT))**  
*Room: Crystal C, Hyatt, West Tower; Green Level (Paper Session)*  
 ORGANIZER(S): Derek France, University of Chester; Robert S. Bednarz, Texas A&M University  
 CHAIR(S): Derek France, University of Chester  
 Introducer: Derek France  
 11:55 M. Duane Nellis\*, Texas Tech University, *Transitions in U.S. Higher Education: Implications for Geography Learning*.

**4362. Asian Geography Specialty Group Business Meeting (Sponsored by Asian Geography Specialty Group)**  
*Room: McCormick, Hyatt, West Tower; Silver Level (Meeting Session)*  
 ORGANIZER(S): AAG

**4370. Geographic Information Science and Technology (GIS&T) Poster Session**  
*Room: Riverside Exhibit Hall, Hyatt, East Tower; Purple Level (Poster Session)*  
 See pages 314-319.

**FRIDAY, APRIL 24 • 1:20 PM - 3:00 PM • 4400****4401. Deaf Geographies: Space and place in contemporary Deaf society (Sponsored by Cultural Geography Specialty Group, Disability Specialty Group, Communication Geography Specialty Group)***Room:* Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Mike Gulliver, University of Bristol

CHAIR(S): Mike Gulliver, University of Bristol

**1:20** Anna-Maria Slotte\*, PhD student in Social Work at the University of Helsinki, *Productions of Deaf Spaces within a Finland-Swedish context - a minority in diaspora.***1:40** Deniz Ilkbasaran\*, University of California, San Diego, *Mobilities and Geographies of Deaf Youth in Turkey.***2:00** Gill Harold\*, University College Cork, *Accessing the spaces of justice in Ireland; critical perspectives from Deaf victims of crime.***2:20** Dai O'Brien, Dr\*, York St John University, *Lost Spaces - where do deaf people go to be deaf in the UK?.*

Discussant(s): Austin Kocher, The Ohio State University, Department of Geography

**4402. Economic Development in the Americas (Sponsored by Graduate Student Affinity Group, Ethnic Geography Specialty Group)***Room:* Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Graciela Sandoval; Wan Yu, Arizona State University

CHAIR(S): Graciela Sandoval

**1:20** Andres Florez\*, Northern Illinois University, *Impact of Development Programs on the Livelihood Strategies of Residents of Soacha, Colombia..***1:40** Priscilla Vaz\*, University of North Carolina - Chapel Hill; Priscilla Vaz, PhD student, University of North Carolina at Chapel Hill, *Ten Year of the Movement of Solidarity Economy in Brazil: challenges, contradictions and potentiality.***2:00** Tiago Roberto Alves Teixeira\*, Syracuse University, *Conflict, Contradiction, and Hierarchy: An Analysis of the Waste Governance at the Pottery Industrial District in Porto Ferreira, São Paulo, Brazil.***2:20** Peter Wood\*, Florida State University, *Participation and Representation in Foz do Iguaçu, Brazil, Urban Development.***2:40** Graciela Sandoval\*, Texas State University, *Labor and Health Trends Within the Changing Agricultural Industry Along the U.S. - Mexico Border.***4405. Geographies of Labour and Development 1 (Sponsored by Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)***Room:* Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Siobhan McGrath, Durham University;

Maureen H. Hickey, Portland State University;

Suzanne Mills, McMaster University

CHAIR(S): Siobhan McGrath, Durham University

**1:20** Maureen H. Hickey\*, Portland State University, *Migrant Teacher Labor for National Development: The Political-Economy of English-Language Education in Thailand.***1:40** Louise Waite\*, University of Leeds, *Transactional labour in reproductive spheres: The case of refused asylum seekers in the UK..***2:00** Madeleine Eriksson\*, Umeå University, Department of Geography and Economic history, *New figurations of labour in global circuits - Migrant workers in the Swedish North.***2:20** Paolo Novak\*, SOAS, *Borders, migrant labour, labour migrants.***2:40** Mads Martinus Hauge\*, University of Copenhagen, *Practicing resilience: Becoming the first generation of industrial workers in Can Tho, Vietnam.***4406. Air transport geographies: comparing Europe and North America (I) (Sponsored by Transportation Geography Specialty Group)***Room:* Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Frederic Dobruszkes, Brussels University (ULB); Andrew R. Goetz, University of Denver

CHAIR(S): Frederic Dobruszkes, Brussels University (ULB)

**1:20** FANGWU WEI\*, Drexel University; Tony H. Grubestic, Drexel University, *A Continuum of Connectivity: The Spatiotemporal Dynamics of Airport Access and Accessibility in North America and Europe.***1:40** Wouter Peter Dewulf, Dr.\*, University of Antwerp, *European and North American Air Cargo Carriers: an Analysis of their respective Hub and Network Strategies (working title)..***2:00** Yongha Park\*, The Ohio State University; Morton E. O'Kelly, The Ohio State University, *Origin-Destination Synthesis for Aviation Network Data: Validation and Application for International Flows.***2:20** Zhuo Chen\*, University of Illinois at Urbana Champaign, *The Competitiveness of Chinese and USA carriers in Bilateral Air Transport Market.***4408. Restore Urban River's Water Quality to Swimmable/Fishable (Sponsored by Water Resources Specialty Group)***Room:* Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Jingyu Wang, Bronx Community College/CUNY, Dept of Chemistry &amp; Chemical Technology

CHAIR(S): Jingyu Wang, Bronx Community College/CUNY, Dept of Chemistry &amp; Chemical Technology

**1:20** Jingyu Wang\*, City University of New York, *Restore Harlem River's water quality and swimming/fish consumption safety.***1:40** Jacob Napieralski\*, University of Michigan- Dearborn, *Urban stream deserts as a consequence of excess stream burial in urban watersheds.***2:00** Kamal A. Alsharif, Ph.D.\*, University of South Florida, School of Geosciences; Ann R Persuad, M.S., University of South Florida, School of Geosciences; Fenda A. Akiwumi, Ph.D., University of South Florida, School of Geosciences; Paul Monaghan, Ph. D., University of Florida, Department of Agricultural Education and Communication, *Exploring the Social Indicators to Understand Stormwater Management.***2:20** Joseph H. Hoover, PhD\*, Community Environmental Health Program, College of Pharmacy; Pharmaceutical Sciences Department, University of New Mexico Health Sciences Center; Chris Shuey, Southwest Research and Information Center, Albuquerque, New Mexico; Miranda Cajero, Community Environmental Health Program, College of Pharmacy; Pharmaceutical Sciences Department, University of New Mexico Health Sciences Center; Johnnye Lewis, PhD, Community Environmental Health Program, College of Pharmacy; Pharmaceutical Sciences Department, University of New Mexico Health Sciences Center, *The Occurrence of Drinking Water Contaminants In Unregulated Water Sources On The Navajo Nation.***2:40** Brian Ceh\*, Ryerson University; Mary Grunstra, Ryerson University; Eric Vaz, Ryerson University, *Using Geospatial Techniques for Water Research: Disinfection Byproducts in Drinking Water in Ontario, Canada.***4409. Web-GIS: technologies and applications (Sponsored by Cyberinfrastructure Specialty Group)***Room:* Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Jizhe Xia; Zhenlong LI, George Mason University

CHAIR(S): Jizhe Xia

**1:20** Marcos Andre Kutova, Dr.\*, Pontifical Catholic University of Minas Gerais; João Francisco Abreu, PhD, Pontifical

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Catholic University of Minas Gerais, *Innovations in Geographic Education: A WebGIS Mapping Library*.

- 1:40** Yongyao Jiang\*, George Mason University, *Building a Service-Oriented CyberInfrastructure to Support Polar Sciences*.

- 2:00** Kate Doiron, GIS Specialist\*, Industrial Economics, Inc.; Ben Shorr, Physical Scientist, Spatial Data Branch, NOAA, *Great Lakes Restoration Initiative NOAA DIVER Platform - Leveraging Web Maps and Spatial Querying for Assessment and Restoration Planning*.

- 2:20** Shiyang Ruan\*, Minnesota State University, Mankato; Rama Mohapatra, Minnesota State University, Mankato, *Geo-enabling of The CityArt Walking Sculpture Tour of Mankato, Minnesota*.

- 2:40** Zhipeng Gui\*, Wuhan University; Jun Cao, Wuhan University; Xiaojing Liu, Wuhan University, *Building a Monitoring Framework to Diagnose and Analyze OGC Services from Dispersed Locations using Public Cloud Service*.

**4410. Political Economy of 'New' India - 01 (Sponsored by Political Geography Specialty Group, Regional Development and Planning Specialty Group, Development Geographies Specialty Group)**

*Room:* Skyway 284, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Ritika Shrimali, York University; Sudarshana Bordoloi, Saint Cloud State University  
 CHAIR(S): Raju J. Das, York University  
 Introducer: Waqar Ahmed  
 Panelists: Pratyusha Basu, University of Texas at El Paso; Rajyashree Narayanareddy, University of Toronto; Vandana Chaudhry, College of Staten Island

**4411. Climate Change and Health (Sponsored by International Geospatial Health Research Network)**

*Room:* Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign  
 CHAIR(S): Jennifer Taylor, University of Toronto  
**1:20** Lennart Olsson\*, Lund University; Anne Jerneck, Professor, Lund University, *Critical realism against climate change, ill-health and poverty in sub-Saharan Africa*.  
**1:35** Stephanie Piffeteau\*, *Health and Environment: adaptation to a changing climate in the Himalayan Mountains*.  
**1:50** Korine Kolivras\*, Virginia Tech; Jayashree Surendrababu, Virginia Tech; Stephen Prisley, Virginia Tech; James Campbell, Virginia Tech; Yu Zhao, Central South University, *Potential Future Distributions of Lyme Disease in Virginia*.  
**2:05** Yu Zhao\*, Central South University, China; Korine Kolivras, Virginia Tech; Jie Li, Virginia Tech; David Gaines, Virginia Department of Health; Yongnian Zeng, Central South University, *The relationship between climate and Lyme disease in Virginia, United States*.  
**2:20** Emma Kate Button\*, University of St. Thomas; Caitlin Woodard\*, University of St. Thomas; Brooke Vierling\*, University of St. Thomas, *Vulnerability, isolation and the urban heat island: Using GIS to assess potential health impacts of climate change*.  
**2:35** Jennifer Taylor\*, University of Toronto, *Understanding the Rhetoric of Energy Transitions: A textual network analysis of the debate over the health impacts of wind turbines in Ontario, Canada*.

**4413. Internships and Work-Based Learning as Career Preparation (Sponsored by AAG Jobs and Careers Theme, Graduate Student Affinity Group, Geography Education Specialty Group)**

*Room:* Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Mark Revell, Association of American Geographers - Washington, DC  
 CHAIR(S): Ashok Wadwani, Applied Field Data Systems, IN

Discussant(s): Gaurav Sinha, Ohio University; Pablo Fuentenebro, University of Western Sydney; Ashok Wadwani, Applied Field Data Systems, IN; Ishu Wadwani, Applied Field Data Systems, Inc.; Paisly Di Bianca, US EPA Region 5

**4414. Urban Parks & Public Space I (Sponsored by Recreation, Tourism, and Sport Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group)**

*Room:* Columbus CD, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Meredith Whitten, London School of Economics; Dorothy Ibes, College of William & Mary - Williamsburg, VA  
 CHAIR(S): Meredith Whitten, London School of Economics  
**1:20** Dorothy C. Ibes, Ph.D.\*, College of William & Mary, *Senior-Friendly Parks?: Use, Satisfaction, And Access To Urban Parks By Older Adults*.  
**1:40** Jose A. Torres, Ph.D. Candidate\*, University of Connecticut, *The Tourism Legacy of Expo '98: Lisbon's Park of Nations*.  
**2:00** Leopold Lucas\*, *The tourism reassignment of Metropolis' public space. The case of Los Angeles..*  
**2:20** Michelle L Johnson\*, USDA Forest Service NYC Urban Field Station; Erika S Svendsen, PhD, USDA Forest Service NYC Urban Field Station; Lindsay K Campbell, PhD, USDA Forest Service NYC Urban Field Station; Nancy F Sonti, MS, USDA Forest Service Baltimore Field Station, *Social Zones in Urban Parkland: A Spatial Examination of Park Use and Meaning*.  
**2:40** Meredith Whitten\*, London School of Economics, *Reconceptualising Green Space: The Changing Nature of Green Space Governance in London*.

**4415. Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 3 of 3) (Sponsored by AAG Jobs and Careers Theme)**

*Room:* Columbus EF, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Thomas J. Baerwald, National Science Foundation  
 CHAIR(S): Thomas J. Baerwald, National Science Foundation

**4416. Geographers, geography and the new cartography (Sponsored by Cartography Specialty Group)**

*Room:* Columbus G, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Janet Speake, Liverpool Hope University  
 CHAIR(S): Janet Speake, Liverpool Hope University  
 Panelists: Janet Speake, Liverpool Hope University; Kenneth Field, Esri; Mark Johnson, Vertex Consulting LLC; Chris Perkins, University of Manchester

**4418. Tuan's Next Generation: Modern scholarship influenced by the iconic geographer (Sponsored by History of Geography Specialty Group, Cultural Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)**

*Room:* Columbus JJ, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Gregory Schwartz, University of Texas Geography; Paul C. Adams, University of Texas at Austin  
 CHAIR(S): Gregory Schwartz, University of Texas Geography  
**1:20** Alexander C. Diener\*, University of Kansas, *Towards a Geographic Theory of Hybridity: Place Attachment amidst the Mobility Turn*.  
**1:40** Judith L. Meyer\*, Missouri State University, *Sense of Place and Yellowstone National Park's Howard Eaton Trail*.  
**2:00** Steven Hoelscher\*, University of Texas, *An Art of Observation*.  
**2:20** Paul C. Adams\*, University of Texas at Austin, *Tuanian Geography: A Tale of Contrasts and Nuances*.  
**2:40** Yi-Fu Tuan\*, University of Wisconsin, *Secularization and*

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*the questions it raises.*

- 4419. The Taylor-Francis/Routledge Distinguished Lecture in Geomorphology “From Landscape Evolution to Human Evolution” presented by Darryl E. Granger (Sponsored by Paleoenvironmental Change Specialty Group, Landscape Specialty Group, Geomorphology Specialty Group)**  
*Room:* Columbus KL, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Chris S. Renschler, University at Buffalo (SUNY); Donald A. Friend, Minnesota State University  
 CHAIR(S): Chris S. Renschler, University at Buffalo (SUNY)
- 4420. Placing Geographic Knowledge Production about the Philippines: Circuits of Engagement and Transactions (Sponsored by Asian Geography Specialty Group, Communication Geography Specialty Group)**  
*Room:* Grand A, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Kristian Karlo Saguin, University of the Philippines  
 CHAIR(S): Arnisson Andre Caparas Ortega, University of the Philippines  
 Panelists: Arnisson Andre Caparas Ortega, University of the Philippines; Kristian Karlo Saguin, University of the Philippines; Kenneth Cardenas; Jana Kleibert, University of Amsterdam; Vener Valerio Macaspac, University of California - Los Angeles; Joseph Palis, North Carolina State University; Vanessa Banta, University of British Columbia
- 4421. (De)Sexualisation & (De)Pornification of Space II: Insider/ Outsider Perspectives (Sponsored by Sexuality and Space Specialty Group)**  
*Room:* Grand B, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Paul J. Maginn, University of Western Australia; Martin Zebracki, University of Leeds; Emily Cooper, Lancaster University  
 CHAIR(S): Emily Cooper, Lancaster University  
**1:20** Christina Parreira, M.A.\*, University of Nevada, Las Vegas, *Auto-Ethnographic Reflections on Selling Sex in the Nevada Desert.*  
**1:40** Lucy Neville, Dr.\*, Middlesex University, *‘I don’t want to be presented as some sort of freak-show... but you’re ‘one of us’: Researching women’s engagement with gay male erotica from within the community.*  
**2:00** Amy E. Ritterbusch, PhD\*, Universidad de los Andes, *“My Life in Four Blocks”: The Geopolitics of Transgender Sex Work in Colombia.*  
**2:20** Tessa Wills\*, CHARGE: *Economies of Desire In The Performance Practice of Tessa Wills.*
- 4422. Practicing and Performing ‘New’ Economic Geography: Method, Theory, Analysis and Impact (II) (Sponsored by AAG Jobs and Careers Theme, Economic Geography Specialty Group)**  
*Room:* Grand C/D North, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Vida Vanchan, SUNY Buffalo State; John R. Bryson, University of Birmingham  
 CHAIR(S): John R. Bryson, University of Birmingham  
**1:20** Chloe Billing\*, University of Birmingham, *Theorizing Space, Place and Economy through Geography: The Organisation of UK Satellite Production.*  
**1:40** Robert A Habans\*, University of Illinois at Chicago; Zafer Sönmez, University of Illinois at Chicago, *The Maturing Geography of Biotechnology: A Comparative Analysis of Network Evolution in Leading and Lagging US Regions.*  
**2:00** Vida Vanchan\*, SUNY Buffalo State, *Manufacturing, Fate, and Economic Recovery: A Chronological Study of Buffalo-Niagara Falls Metropolitan Area.*  
**2:20** Julianne L Stern\*, University of North Carolina at Chapel Hill; Nichola J Lowe, PhD, University of North Carolina at Chapel Hill; John R Bryson, PhD, University of Birmingham, *Skilling the Next*

*Generation: An Inner-City Experiment with Youth Job Creation in Urban Manufacturing.*

- 2:40** Natasha N Iskander\*, New York University, *The Politics of Making Training Visible: Migration and Skill Development in Qatar’s Construction Industry.*

- 4423. PREM: Settler Colonialism, Militarism, and the Carceral State III: Making “Victims” and “Criminals”- Humanitarianism across Borders (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)**  
*Room:* Grand C/D South, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Jenna M. Loyd, University of Wisconsin-Milwaukee; Anne Bonds, University of Wisconsin, Milwaukee; Judah Schept, Eastern Kentucky University  
 CHAIR(S): Brett Story, University of Toronto  
**1:20** Lisa Bhungalia\*, Ohio State University, *Managing “Suspect” Civilians Across Borders: A Geography of Terrorism Law.*  
**1:40** Jennifer J. Casolo\*, Universidad Rafael Landivar, *When ‘Victims’ become ‘Criminals’: Connecting Coloniality, Crises and Criminalization across Borders.*  
**2:00** Emily R. Mitchell-Eaton\*, Syracuse University, *“We Are Here Because You Were There”: Race, Labor, and War in the Natural State.*  
**2:20** Jenna M. Loyd\*, University of Wisconsin-Milwaukee, *“Geographic Roulette”: PIC Abolition and Intersectional Feminist Geopolitics.*  
 Discussant(s): Brett Story, University of Toronto
- 4424. Questioning geography’s ‘healthy subject’ III: Cultivating an Ethic of Wellness in Geography (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Disability Specialty Group)**  
*Room:* Grand E/F, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Beverley Mullings, Queen’s University; Linda Peake, York University; Kate Parizeau, University of Guelph  
 CHAIR(S): Nancy Worth, McMaster University  
 Panelists: Vandana Wadhwa, Boston University; Marcia R. England, Miami University; Farhana Sultana, Syracuse University; Michelle D Majeed, University of Toronto; Kate Parizeau, University of Guelph
- 4425. A Tribute to Harley Johansen - “The Life and Research of an Accidental Geographer” 1 of 2 (Sponsored by Rural Geography Specialty Group, Population Specialty Group, Polar Geography Specialty Group)**  
*Room:* Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Michele D. Vachon, University of Idaho; Gundars Rudzitis, University of Idaho  
 CHAIR(S): Raymond J. Dezzani, University of Idaho  
 Introducer: Raymond J. Dezzani  
**1:40** Liza Skryzhevskaya\*, Miami University of Ohio, *Adaptation to Climate Change in Russia: Policymakers’ Views and Attitudes.*  
**2:00** Gundars Rudzitis\*, Professor Emeritus, University of Idaho, *The Differential Impacts of the Great Recession on Wilderness Counties.*  
**2:20** Christiane von Reichert\*, Geography, University of Montana; E. Helen Berry, Sociology, Social Work and Anthropology, Utah State University, *Disability in America: Rural-Urban Differences in Spatial and Mobility Patterns.*  
**2:40** Markku J. Tykkyläinen\*, University of Eastern Finland, *How to Unravel Human Responses to Pressures to Restructure in Remote Resource-Based Small-Towns and Rural Areas.*

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## 4426. Vegetation Dynamics III: Treeline (Sponsored by Biogeography Specialty Group, Mountain Geography Specialty Group)

Room: Grand Suite 3, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Jeremy Johnson, Texas A&M; David Cairns, Texas A&M University; Carissa Brown, Department of Geography, Memorial University

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

1:20 Carissa Brown\*, Department of Geography, Memorial University; Steven Mamet, Department of Biology, University of Saskatchewan; Andrew Trant, School of Environmental Studies, University of Victoria; G-TREE Researchers, *The Global Treeline Range Expansion Experiment*.

1:40 Rachel Isaacs\*, Pennsylvania State University; Alan Taylor, Dr., Pennsylvania State University, *The effects of climate change and local site controls on vegetation in Denali National Park and Preserve, Alaska*.

2:00 Amanda Young\*, Pennsylvania State University; Alan Taylor, Pennsylvania State University; Koichi Takahashi, Shinshu University, *Properties Limiting Treeline Distribution in the Northern Japanese Alps*.

2:20 Rosemary L. Sherriff\*, Humboldt State University, *Forest response to climate warming along productivity and geographic gradients in the southwest Alaska*.

2:40 David R. Butler, Ph.D.\*, Texas State University, *The Implications of Changing Physical Processes Resulting from Climate Change at Alpine Treeline in the Rocky Mountains*.

## 4427. Geographies of Islamophobia in the west (Sponsored by Geography of Religions and Belief Systems Specialty Group, Ethnic Geography Specialty Group)

Room: Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Kevin Mark Dunn, University of Western Sydney; Rosalie Atie, University of Western Sydney

CHAIR(S): Kevin Mark Dunn, University of Western Sydney

1:20 Rosalie Atie\*, University of Western Sydney, *The ordinariness of Australian Muslims: attitudes and experiences of Muslims*.

1:40 Kevin Mark Dunn\*, University of Western Sydney, *Using community policing for counter terrorism. Evidence from NSW, Australia*.

2:00 Husnia Underabi, Phd Candidate\*, University of Western Sydney, *Geography of Mosques in Sydney*.

2:20 Rhonda Itaoui, Miss\*, University of Western Sydney, *Islamophobia and the mobility of young Muslims in Sydney*.

Introducer: Kevin Mark Dunn

Discussant(s): Rosalie Atie, University of Western Sydney

## 4428. Coastal and Aeolian Geomorphology I: Coastal Geomorphology (Sponsored by Coastal and Marine Specialty Group)

Room: Plaza A, Hyatt, East Tower, Green Level (Paper Session)  
 ORGANIZER(S): Brandon Edwards, Louisiana State University; Phillip Schmutz, Louisiana State University

CHAIR(S): Brandon Edwards, Louisiana State University

1:20 Evan Andrew Hart\*, Tennessee Technological University; Frank W. Stapor, Tennessee Technological University; Jose Enrique Novoa Juarez, University of La Serena, Chile; Charles J. Sutherland, Tennessee Technological University, *Rapid Progradation of the Vega Beach-Ridge Plain (Middle Holocene), Coquimbo Bay, Chile*.

1:40 Mayra A. Roman Rivera\*, University of South Carolina, *Spatial and Temporal Evaluation of Dune, Beach and Neashore Bar Interactions*.

2:00 Nicole Nabel Virella\*, University of Puerto Rico, *Caribbean Dune Formations: Evaluating geomorphological, anthropogenic and vegetation parameters*.

2:20 Alexander Carroll Greene\*, CSU Channel Islands; Colton

Barry Schmidt, CSU Channel Islands, *Geomorphology and Biological Impacts of Beach Nourishment at Port Hueneme Beach, California*.

2:40 Sarah Trimble\*, Texas A&M University, *Identifying rip channels in bathymetry derived from WorldView2 multispectral data*.

## 4429. The Political Economy and Political Ecology of Large-Scale Hydropower Development in the Mekong River Basin (Sponsored by Political Geography Specialty Group, Asian Geography Specialty Group, Water Resources Specialty Group)

Room: Plaza B, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Ian G. Baird, The University of Wisconsin - Madison

CHAIR(S): Ian G. Baird, The University of Wisconsin - Madison

1:20 Kanokwan Manomom\*, Ubon Ratchathani University, *The World Bank and Hydropower-Based Poverty Alleviation: Rhetoric versus Reality for Women and Indigenous Communities in the Xe Bang Fai River Basin*.

1:40 Noah Quastel\*, University of British Columbia, *Political Ecologies and Cross-Border Electric Spaces: How Nam Theun 2 Links the Xe Bang Fai River to Bangkok*.

2:00 Nicholas Ryan Zeller\*, University of Wisconsin, *The Birth of Hydropower in Thailand: The Bhumibol Dam and the Treadmill Dynamic of Capital*.

2:20 W. Nathan Green\*, University of Wisconsin - Madison; Ian G. Baird, PhD, University of Wisconsin - Madison, *Capitalizing on Compensation: Hydropower Resettlement and the Commodification and De-commodification of Nature-Society Relations in Southern Laos*.

Discussant(s): Dinesh Paudel, Appalachian State University

## 4430. Preparing for learning progressions research on maps, geospatial technology, and spatial thinking (Sponsored by National Center for Research in Geography Education, Geography Education Specialty Group)

Room: Soldier Field, Hyatt, West Tower, Bronze Level (Panel Session)

ORGANIZER(S): Michael N. Solem, Association of American Geographers

CHAIR(S): Michael N. Solem, Association of American Geographers

Discussant(s): Niem Huynh, Association of American Geographers

Panelists: Rebecca Theobald, University of Colorado Colorado Springs; Sarah Witham Bednarz, Texas A&M University; Jung Eun Hong, University of West Georgia; Meredith Marsh, Lindenwood University; Kathleen Hill, Bethany College; Eui-Kyung Shin, Northern Illinois University; Ola Ahlqvist, The Ohio State University

## 4431. Historical GIS I: Using Geospatial Technologies to Map Archaeological, Cultural and Religious Sites (Sponsored by GeoHumanities Theme)

Room: Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): GeoHumanities

CHAIR(S): Carlos J. Guilbe, University of Puerto Rico

1:20 Stacy Curry\*, University of North Carolina, Greensboro; Jacob Turner, University of North Carolina Greensboro; Roy Stine, PhD, University of North Carolina Greensboro, *Remote Sensing of an 18th Century Historic Site: The House in the Horseshoe*.

1:40 Yaping Xu\*, Louisiana State University, *research of the monitoring and protection system for cultural relics based on spatial information technology*.

2:00 Sonia Maria Giacomini\*, PUC-Rio, *New feelings of belonging, new territories and religious conflicts: mapping the Afro-brazilian religious temples in Rio de Janeiro..*



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**2:20** Noah Mueller\*, University of Florida, *How long is Eternal? Caribbean Graveyards and Sea Level Rise.*

**2:40** Carlos J. Guilbe\*, University of Puerto Rico; Paola Schiappacasse, University of Puerto Rico, *Integrating Spatial Reasoning Thinking to Historical Archeology.*

**4432. Food Networks and Politics II: Hubs, Flows and Deliveries (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group)**

**Room:** *Comiskey, Hyatt, West Tower, Bronze Level* (Paper Session)  
ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Lucius Hallett, IV, Western Michigan University  
**1:20** LaDona G. Knigge\*, California State University, Chico, *Food Hubs in Northern California.*

**1:40** Michael Andrew Robinson Clark, BA\*, University of Western Ontario; Richard Casey Sadler, BA, MA, PhD, University of Western Ontario; Margaret Milczarek, BA, MA, University of Western Ontario; Mark McGregor, BSc, BA, University of Western Ontario; Jason Gilliland, BA, MA, MArch, PhD, University of Western Ontario, *Engagement of Local Businesses in the Development of Mobile Phone App to Promote Local Food Consumption.*

**2:00** Petra Luetke\*, University of Muenster, *The Embedded Food Truck.*

**2:20** Janet Puhalla\*, SUNY Plattsburgh, *The growth of small farms and local markets in Northern NY.*

**2:40** Lucius Hallett, IV\*, Western Michigan University; Greg Veeck, Western Michigan University; Ann Veeck, Western Michigan University; Deborah Che, Southern Cross University, *Understanding what Agritourism is: What do Michigan's Specialty Crop Agritourism sites offer their customers?.*

**4433. Histories in the Making of Place-in-the-Present I: (Un) fixing text and landscapes (Sponsored by GeoHumanities Theme, Cultural Geography Specialty Group, Historical Geography Specialty Group)**

**Room:** *Gold Coast, Hyatt, West Tower, Bronze Level* (Paper Session)  
ORGANIZER(S): Sharlene L. Mollett, University of Toronto; Caroline Faria, University of Texas - Austin  
CHAIR(S): Caroline Faria, University of Texas - Austin  
Introducer: Caroline Faria

**1:24** Charles Philip Hutchinson, PhD Candidate\*, University of Canberra, *Power and the Landscape: The Story of Freshkills Park.*

**1:43** Trina Filan\*, Independent Scholar; Colleen C Hiner, Ph.D., Texas State University, *"Boom and bust": (Hi)stories of landscape production and consumption in the Sierra Nevada foothills of California.*

**2:02** Patricia J. Lopez, PhD\*, Dartmouth College, *Disrupting the story - reclaiming health citizenship after the cholera outbreak.*

**2:21** Declan Cullen\*, Heather E. Castleden\*, Queen's University, *Indigenous livelihoods and social welfare in Nova Scotia: whose history?.*

Discussant(s): Lucy Jarosz, University of Washington

**4435. Energy Transitions, EEG and Local and Regional Development: I (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**

**Room:** *Picasso, Hyatt, West Tower, Bronze Level* (Paper Session)  
ORGANIZER(S): Stuart Dawley, CURDS, Newcastle University; Danny Mackinnon, Newcastle University

CHAIR(S): Stuart Dawley, CURDS, Newcastle University

**1:20** Danny Mackinnon\*, Newcastle University, *Rethinking Path Creation in Regional Economic Evolution..*

**1:40** David C. Gibbs, Professor\*, University of Hull, *Sustainability Transitions and Transition Regions: The Clean Tech Sector in Europe and the USA.*

**2:00** Frans Sengers\*, Eindhoven University of Technology; Rob Raven, Utrecht University, *Toward a spatial perspective on niche development.*

**2:20** Britta Klagge\*, University of Bonn, *Financialization of wind energy? The example of Germany.*

**2:40** Mário Vale\*, Universidade de Lisboa, *Path creation and regional development on the European periphery: the renewable energy cluster in the Norte region (Portugal).*

**4436. Place and the Expression of Identity, Community and Home (Sponsored by GeoHumanities Theme)**

**Room:** *Water Tower, Hyatt, West Tower, Bronze Level* (Paper Session)  
ORGANIZER(S): GeoHumanities

CHAIR(S): Todd Lindley, Georgia Gwinnett College

**1:20** Katherine J. Heslop, Graduate Student\*, University of Nevada, Reno, *Born Free and Equal: Ansel Adams at Manzanar.*

**1:40** Angela Cunningham, MScR\*, University of Colorado, *'Blue, gray and khaki': place, the use of memory, and the performance of patriotic identity in wartime Denver.*

**2:00** Natasha Majewski\*, University of Nevada, Reno, *Mapping Home: Storytelling Space.*

**2:20** Adele Balderston, MA candidate\*, Hunter College, *Voices of Kaka'ako.*

**2:40** Todd Lindley\*, Georgia Gwinnett College, *Place-making Through Storytelling: Oral Histories of Immigrant Students Through Recorded Family Conversations.*

**4437. The Housing and Economic Experiences of Immigrants in U.S. and Canadian Cities (Sponsored by Ethnic Geography Specialty Group)**

**Room:** *Wrigley, Hyatt, West Tower, Bronze Level* (Panel Session)

ORGANIZER(S): Paul N. McDaniel, American Immigration Council; Carlos Teixeira, University of British Columbia Okanagan; Wei Li, Arizona State University

CHAIR(S): Audrey L. Kobayashi, Queen's University

Panelists: Margaret W. Walton-Roberts, Wilfrid Laurier University; Wan Yu, Arizona State University; Sutama Ghosh, Ryerson University; John Frazier, Binghamton University; John Miron, University of Toronto

**4438. Mobile Methods in Health Research (Sponsored by International Geospatial Health Research Network)**

**Room:** *Acapulco, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Sungsoon Hwang, DePaul University

**1:20** Carlijn B Kamphuis\*, Utrecht University; Rick G Prins, UKCRC Centre for Diet and Activity Research, MRC Epidemiology Unit, University of Cambridge, School of Clinical Medicine, Institute of Metabolic Science, Cambridge, U.K.; Astrid Etman, Department of Public Health, Erasmus University Medical Center, Rotterdam, The Netherlands.; Reinier P. Sterkenburg, Department of Urban Environment and Safety, TNO, Utrecht, The Netherlands; Frank J Van Lenthe, Department of Public Health, Erasmus University Medical Center, Rotterdam, The Netherlands; Frank H Pierik, Department of Urban Environment and Safety, TNO, Utrecht, The Netherlands, *Combined GPS- and Accelerometer-Data for a Spatial Match between Area Characteristics and Physical Activity among Dutch Older Adults.*

**1:40** Jue Wang\*, University of Illinois at Urbana-Champaign; Mei-Po Kwan, University of Illinois at Urbana-Champaign, *Analyzing environmental influence on health using movement data, contextual environment cube, and artificial neural network.*

**2:00** Sungsoon Hwang\*, DePaul University; Sai Yalla, Rosalind Franklin University of Medicine and Sciences; Ryan

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Crew, Rosalind Franklin University of Medicine and Sciences, *Integrating accelerometer-based activity data with GPS track data to assess risks for diabetic foot ulceration.*

**4439. Environmental Influences on Health (Sponsored by International Geospatial Health Research Network)**

*Room:* Atlanta, Hyatt, West Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign  
 CHAIR(S): Kelsey McDonald, Centre for Urban Epidemiology, University of Duisburg-Essen

**1:20** Kelsey McDonald, PhD\*, Centre for Urban Epidemiology, Institute for Medical Informatics, Biometry and Epidemiology, University of Duisburg-Essen, University Hospital Essen, Germany; Karl-Heinz Jöckel, Prof. Dr., Institute for Medical Informatics, Biometry and Epidemiology, University Hospital Essen, Germany; Raimund Erbel, Prof. Dr., West German Heart Centre, University of Duisburg-Essen, University Hospital Essen, Germany; Susanne Moebus, Prof. Dr., Centre for Urban Epidemiology, Institute for Medical Informatics, Biometry and Epidemiology, University of Duisburg-Essen, University Hospital Essen, Germany, *Measuring exposure to green vegetation using the Normalized Difference Vegetation Index: Importance of neighborhood scale for health research.*

**1:40** Mark Daniel\*, South Australian Health and Medical Research Institute; Theo Niyonsenga, University of South Australia; Neil Coffee, University of South Australia; Natasha Howard, University of South Australia; Catherine Paquet, University of South Australia; Takemi Sugiyama, University of South Australia; Anne Taylor, University of Adelaide; Robert Adams, University of Adelaide, *10-year assessment of predictive relationships between different dimensions of urban environments and incident cardiometabolic risk in South Australia.*

**2:00** Yoo Min Park\*, University of Illinois at Urbana-Champaign, *Spatial analysis of the effect of environmental risk factors and social stress on asthma prevalence in California.*

**2:20** Ilonca Vaartjes\*, Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht; Rob Beelen, Institute for Risk Assessment Sciences, Utrecht University; Michiel Bots, Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht; Gerard Hoek, Institute for Risk Assessment Sciences, Utrecht University; Martin Dijst, Department Human Geography and Spatial Planning, Utrecht University; Bert Brunekreef, Institute for Risk Assessment Sciences, Utrecht University, *Association between neighbourhood characteristics and individual-level cardiovascular disease.*

**2:40** Jun Tu\*, Kennesaw State University; Wei Tu, Georgia Southern University, *Ambient Air Pollution and Birth Weight in Georgia, USA.*

**4440. Health Geographies of Sports and Physical Activity (Sponsored by International Geospatial Health Research Network)**

*Room:* Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign  
 CHAIR(S): Marijke Jansen, Utrecht University

**1:20** Ineke Deelen\*, Utrecht University, *Accessibility of sports facilities and sports participation.*

**1:40** Nynke Burgers, MSc\*, Utrecht University, *Neighborhood effects on sport membership and the composition of sport organizations.*

**2:00** Marijke Jansen\*, Utrecht University, *Locations of physical*

*activity and the explanatory socio-demographic and environmental factors.*

**2:20** Rania Wasfi, MURP\*, McGill University; Kaberi Dasgupta, MD, MSc, FRCPC, McGill University; Naveen Eluru, PhD, University of Central Florida; Nancy Ross, PhD, McGill University, *Long Term Exposure to Walkable Neighbourhoods Increases Utilitarian Walking: Longitudinal Study of Canadians.*

**2:40** Marie-Soleil Cloutier\*, INRS-UCS; Karine Lachapelle, INRS-UCS; Mathieu Rancourt, UQAM, *Walk to school: how adult school crossing guards influence children's mobility. A case-study in Montreal, Canada.*

**4441. Health and Environment III: Understanding Interactions in a Dynamic World (Sponsored by Cultural and Political Ecology Specialty Group, International Geospatial Health Research Network, Health and Medical Geography Specialty Group, Development Geographies Specialty Group)**

*Room:* New Orleans, Hyatt, West Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Heidi Hausermann, Rutgers University; Brian King, Pennsylvania State University

CHAIR(S): Brian King, Pennsylvania State University  
**1:20** Zachary J. Christman, PhD\*, Department of Geography and Environment, Rowan University; Rachel Pruchno, PhD, New Jersey Institute for Successful Aging, Rowan University School of Osteopathic Medicine; Elen Cromley, PhD, Department of Community Medicine and Health Care, University of Connecticut School of Medicine; Maureen Wilson-Genderson, PhD, Department of Public Health, Temple University; Izza Mir, Rowan University School of Osteopathic Medicine, *The influence of neighborhood factors on obesity among older residents in New Jersey, USA.*

**1:40** Christopher D Hartmann, MA\*, The Ohio State University, *Public Health Governance in Post-neoliberal Latin America.*

**2:00** Marina Burka\*, Pennsylvania State University; Brian King, PhD, Penn State University; Margaret Winchester, PhD, Penn State University, *"Eat Healthy and Nutritious Food": HIV Treatment and Health Maintenance in South Africa.*

**2:20** Caitlin E. Mertzluft, MPH\*, University of Georgia, *Reconsidering "One Health": A critical approach to zoonotic disease transmission.*

Discussant(s): Heidi Hausermann, Rutgers University

**4442. Economic Geography XIII - Ambidexterity, Adaptability, and Collaborator Networks (Sponsored by Economic Geography Specialty Group)**

*Room:* Regency A, Hyatt, West Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Dieter Franz Kogler, University College Dublin; David L. Rigby, UCLA; Jennifer Clark, Georgia Institute of Technology

CHAIR(S): Dieter Franz Kogler, University College Dublin

**1:20** Lionel Sack\*, Circle, Lund University, *Ambidexterity and the evolution of clusters.*

**1:40** Frank van der Wouden\*, UCLA, *The role of technological relatedness and inventor collaboration networks on knowledge production of U.S. cities between 1975 and 2005.*

**2:00** Balazs Lengyel\*, Hungarian Academy of Sciences; Rikard Eriksson, Umea University, *Co-worker networks and regional growth in Sweden 1990-2008.*

**2:20** Xiaohui Hu\*, University of Kiel; Robert Hassink, University of Kiel, *Either Adaptability or Adaption in Old Industrial Areas?.*

Discussant(s): Jennifer Clark, Georgia Institute of Technology

**4443. Co-Producing a heuristic conceptualization of curation**

*Room:* Regency B, Hyatt, West Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Harriet Hawkins; Brian J. Hraacs, University of Southampton; Melanie Fasche, University of Toronto

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CHAIR(S): Harriet Hawkins

Panelists: Brian J. Hraes, University of Southampton; Melanie Fasche, University of Toronto; Nicola Thomas, University of Exeter; Jenny Sjöholm, Linköping University; Alison L. Bain, York University; Andrew Leyshon, University of Nottingham

University of British Columbia; Clifton W. Pannell, University of Georgia; Stanley Toops, Miami University

## 4444. OpenStreetMap Studies 1

*Room:* Regency C, Hyatt, West Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Alan McConchie, University of British Columbia; Muki Haklay, University College London  
 CHAIR(S): Alan McConchie, University of British Columbia  
**1:20** Jennings Anderson\*, University of Colorado; Robert Soden\*, University of Colorado, Boulder; Mikel Maron; Marina Kogan, University of Colorado, Boulder; Ken Anderson, University of Colorado, Boulder, *The Social Life of OpenStreetMap: What Can We Know from the Data? New Tools and Approaches.*  
**1:40** Christian Bittner\*, *Diverse crowds, diverse VGI? Comparing OSM and Wikimapia in Jerusalem.*  
**2:00** Tim Elrick\*, University of Erlangen-Nuremberg, Germany; Georg Glasze, University of Erlangen-Nuremberg, Germany, *A Question of Religion? Representation of Places of Worship in OpenStreetMap and other sources.*  
**2:20** Alan McConchie\*, University of British Columbia, *Map Gardening in Practice: Tracing Patterns of Growth and Maintenance in OpenStreetMap.*  
 Discussant(s): Monica G. Stephens, University at Buffalo

## 4445. Socio-Environmental Justice and Unjust Sustainability in Urban China I (Sponsored by China Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group)

*Room:* Regency D, Hyatt, West Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Guo Chen, Michigan State University; Xiaoling Zhang  
 CHAIR(S): Xiaoling Zhang  
**1:20** Xiaoling Zhang\*, City University of Hong Kong; Qiyang Wu, Nanjing Normal University, *Pro-growth Giant Business, Lock in, Sustainable Urban Development and Effect on Local Political Economy: The Case of Petrochemical Industry at Nanjing.*  
**1:40** Yifan Cai\*, Clark University, *Technology Substitution and the Spatial Transfer of Environmental Effects: A Case Study on the Display Industry.*  
**2:00** Jonah White\*, Western Washington University, *Seattle as a Divided City: Sustainable Development and the Gentrification Conflict.*  
**2:20** Li Lin\*, Department of Public Policy, City University of Hong Kong; Xiaoling Zhang, Department of Public Policy, City University of Hong Kong; Yuzhe Wu, Department of Land Management, Zhejiang University, *Battling for the Land: What Drives the Agricultural Land Changes in China.*  
**2:40** Kiersten Lee Strachan\*, University of Oklahoma, *They Paved Paradise and Put Up a Parking Lot: Environmental Degradation and the Development of a Core-Periphery Relationship at the Tang Dynasty Capital.*

## 4446. China's Global Repositioning: Challenges to the New World Order (Sponsored by Political Geography Specialty Group, China Specialty Group, Asian Geography Specialty Group)

*Room:* San Francisco, Hyatt, West Tower, Gold Level (Panel Session)  
 ORGANIZER(S): George C.S. Lin, University of Hong Kong  
 CHAIR(S): John V. O'Loughlin, University of Colorado  
 Introducer: George C.S. Lin  
 Panelists: Alexander B. Murphy, University of Oregon; Debin Du, Department of Human Geography, East China Normal University; Yu Zhou, Vassar College; Wei Xu, University of Lethbridge; David W. Edgington,

## 4447. Ecoregions and Climate Change: Current Status and Prospect

*Room:* Toronto, Hyatt, West Tower, Gold Level (Panel Session)  
 ORGANIZER(S): John A. Harrington, Kansas State University; Thomas R. Loveland, United States Geological Survey  
 CHAIR(S): John A. Harrington, Kansas State University  
 Discussant(s): Richard A. Marston, Kansas State University  
 Panelists: Glenn Griffith, USGS; Thomas R. Loveland, United States Geological Survey; Tyra A. Olstad, SUNY Oneonta; Benjamin Sleeter, United States Geological Survey; Adam Terando, US Geological Survey - Southeast Climate Science Center

## 4448. Spatial Analysis and Modeling Plenary Lecture and Geographical Analysis Reception (Sponsored by Spatial Analysis and Modeling Specialty Group)

*Room:* Crystal A, Hyatt, West Tower, Green Level (Paper Session)  
 ORGANIZER(S): Serge Rey, Arizona State University  
 CHAIR(S): Serge Rey, Arizona State University  
 Introducer: Serge Rey  
**1:30** Keith C. Clarke\*, University of California, Santa Barbara, *On the topology of topography.*

## 4450. Active Pedagogy in Introductory Physical Geography Classes

*Room:* Crystal C, Hyatt, West Tower, Green Level (Panel Session)  
 ORGANIZER(S): Caitlin L. Lippitt, University of New Mexico; Courtney Gallaher, Northern Illinois University  
 CHAIR(S): Caitlin L. Lippitt, University of New Mexico  
 Discussant(s): Caitlin L. Lippitt, University of New Mexico; Courtney Gallaher, Northern Illinois University  
 Panelists: Derek Joseph Martin, Appalachian State University

## 4451. Engaging Local Geographies: Bringing the surrounding area into the lower division classroom (Sponsored by Geography Education Specialty Group, Community College Affinity Group)

*Room:* Stetson A, Hyatt, West Tower, Purple Level (Panel Session)  
 ORGANIZER(S): Sarah Goggin, Cypress College; Joseph Hinton, Harold Washington College  
 CHAIR(S): Sarah Goggin, Cypress College  
 Panelists: Kanika Verma, Texas State University; Jerry T. Mitchell, University of South Carolina; Darrel Hess, City College of San Francisco; Kyle Flynn; Cathleen McAnneny, University Of Maine Farmington; Joseph Hinton, Harold Washington College

## 4452. Agricultural Labour and the Food Movement: Perspectives and Politics (Sponsored by Socialist and Critical Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Michael Ekers, University of Toronto, Scarborough; Charles Z. Levkoe, Wilfrid Laurier University  
 CHAIR(S): Michael Ekers, University of Toronto, Scarborough  
**1:20** Charles Z. Levkoe, PhD\*, Wilfrid Laurier University, *Will work for food: the local food movement and the new face of non-wage labour on small-scale ecologically-oriented farms.*

**1:40** Anelyse Margaret Weiler, MA\*, University of Toronto, *Rock Stars and Bad Apples: Alternative Food Networks and Precarious Farm Worker Regimes in British Columbia.*

**2:00** Margaret Gray, PhD\*, Adelphi University, *Farm to Table Work: The Labor behind Local Food.*

Discussant(s): Joshua Sbicca, Colorado State University

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## 4453. Intra-Urban Dynamics I: Neighborhood Change (Sponsored by Regional Development and Planning Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Stetson D, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Elizabeth Delmelle, University of North Carolina at Charlotte; Kevin Kane, Arizona State University

CHAIR(S): Elizabeth Delmelle, University of North Carolina at Charlotte

1:20 Joseph J. Danko III\*, University of Connecticut; Dean M. Hanink, University of Connecticut; Kenneth Foote, University of Connecticut, *Cross-regional comparative spatial analysis of urban change between the Rust Belt and Sun Belt: examining experiences from Detroit, Atlanta and Las Vegas.*

1:40 Chenjun Ling\*, UNCC, *Clustering Neighborhood Multidimensional Trajectories. The case of 8 US Cities, 1970-2010.*

2:00 Renaud Le Goix\*, Univ. Paris-Diderot / UMR Géographie-cités, *Using property-level data to analyze neighborhood change in the Paris metropolitan region (1996-2012).*

2:20 Kaitlin Colandrea\*, University of North Carolina Charlotte, *Changes in Socioeconomic Clustering of Urban Neighborhoods, 1970-2010.*

2:40 Elizabeth Delmelle\*, University of North Carolina at Charlotte, *Mapping the 'DNA' of Urban Neighborhoods: Clustering longitudinal sequences of neighborhood socioeconomic change.*

## 4454. Affective Ecologies, Living Economies and Alternate Ways of Valuing Nature: Session I (Affective Ecologies and Diverse Economies) (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Stetson E, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Neera Singh, University of Toronto; Katja Grotzner Neves, Concordia University; Mamta Vardhan, University of Alberta

CHAIR(S): Katja Grotzner Neves, Concordia University

1:20 Robert Fletcher\*, Utrecht University, *Sharing the Wealth: Mapping Diverse Ecologies in Environmental Governance.*

1:40 Madeline Brown, PhD Candidate\*, Stanford University, *Contracting the Commons: A case of community-based resource management among Yi wild mushroom harvesters in SW China.*

2:00 Manuel Prieto\*, Universidad Católica del Norte, *Cultural values of water and the decommodification of nature: The Chilean water model and the Atacameño people.*

2:20 Martha Pskowski\*, Instituto Nacional de Antropología e Historia, *Cooperation or Co-optation? The role of civil society in shaping Mexico's REDD+ programs.*

2:40 Katharine Anne Legun\*, University of Otago, *Club Apples and Plant-Power in Future Food Economies.*

## 4455. Sustainable Transportation and Urban Growth: Challenges and Prospects for the 21st Century I (Sponsored by Geographic Information Science and Systems Specialty Group, Geomorphology Specialty Group, Transportation Geography Specialty Group)

Room: Stetson F, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Dylan Coolbaugh, University of North Carolina - Greensboro; Hyojin Kim, University of North Carolina at Greensboro

CHAIR(S): Dylan Coolbaugh, University of North Carolina - Greensboro

1:20 Krystal Levstek\*, Kent State University, *An institutional analysis of Northeast Ohio's regional bus transportation systems throughout rural and urban service areas.*

1:40 Selima Sultana\*, University of North Carolina-Greensboro,

*A decade of urban growth and the Costs of School Transportation: A Geographic Analysis.*

2:00 Anna Levi\*, University of North Carolina - Greensboro; Keith Debbage, University of North Carolina-Greensboro, *The Geography of Air Passenger and Employment Patterns by US Urban Core Area: 2009-2012.*

2:20 Hyojin Kim\*, University of North Carolina at Greensboro; Selima Sultana, University of North Carolina at Greensboro, *An assessment of a railway improvement program of North Carolina: locational benefits and competition with other transit modes.*

## 4456. Global Urban Observation (III): Developing Innovative Techniques for Urban Remote Sensing (Sponsored by Remote Sensing Specialty Group)

Room: Stetson G, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Qihao Weng, Indiana State University

CHAIR(S): Yitong Jiang

1:20 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, *A Hybrid Approach for Three Dimensional Building Modeling in Indianapolis from LiDAR Data.*

1:40 Haijian Liu\*, University, *Tree crown width estimation using discrete airborne LiDAR data.*

2:00 Junhak Lee\*, Department of Earth and Environmental Science, University of Texas at Arlington; Yekang Ko, School of Urban and Public Affairs, University of Texas at Arlington; E. Gregory McPherson, USDA Forest Service, Pacific Southwest Research Station, *Estimating single-tree biomass of urban trees using remotely sensed data.*

2:20 Jonathan Asher Greenberg\*, University of Illinois at Urbana-Champaign; Bailey Morrison, University of Illinois at Urbana-Champaign; Courtney Reents, University of Illinois at Urbana-Champaign; Zewei Xu, University of Illinois at Urbana-Champaign; Kirk Evans, USDA Forest Service; Carlos Ramirez, USDA Forest Service, *LiDAR as calibration and validation data of a Landsat-derived tree cover map.*

2:40 Yitong Jiang\*, Qihao Weng, *Estimating tree frontal area in urban areas using Terrestrial LiDAR data.*

## 4457. Lands in Sight - Exploring New and Emergent Indigenous Landscapes: Session I "Recognition and (in)visibility" (Sponsored by Indigenous Peoples Specialty Group)

Room: Addams, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Caroline Desbiens, Université Laval; Bastien Sepulveda

CHAIR(S): Caroline Desbiens, Université Laval

1:20 Eric Glon\*, University of Lille, *Naming places as an essential tool for cultural and territorial reconquest among indigenous peoples- A case study in western Canada.*

1:40 Justine Gagnon\*, Université Laval, *Remembering flooded landscapes: the symbolic accretion as a political strategy.*

2:00 Stéphane Guimont Marceau\*, Université de Montréal, *Emergent Territorialities of Citizenship for First Nations Youth in Québec: Limits and Possibilities of Multi-Vocal and Multi-Directional Dialogues.*

2:20 Leela Viswanathan\*, Queen's University; Fraser McLeod, MPL, Queen's University; Graham S. Whitelaw, Queen's University; Carolyn King, Mississauga of the New Credit First Nation; Jared Macbeth, Walpole Island First Nation Heritage Centre; Erin Alexiuk, PhD Candidate, University of Waterloo; Dan McCarthy, University of Waterloo, *Enhancing Indigenous-Municipal Relations: First Nations, Settler*

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*Colonialism, And Transforming Land Use Planning Policy In Ontario, Canada.*

- 4458. Subnational Governance and Conflict (2) (Sponsored by Political Geography Specialty Group, Africa Specialty Group)**  
*Room:* Burnham, Hyatt, West Tower, Silver Level (Panel Session)  
 ORGANIZER(S): Clionadh Raleigh, University of Sussex;  
 Andrew Linke, University of Colorado  
 CHAIR(S): Clionadh Raleigh, University of Sussex  
 Introducer: Clionadh Raleigh  
 Discussant(s): Andrew Linke, University of Colorado  
 Panelists: Iddi Adam, University of Wisconsin - Marshfield  
 Campus; Olivier J. Walther, University of Southern  
 Denmark; Janpeter Schilling, University of Hamburg;  
 Nicolas Velasquez, University of Miami; Elvira Maria  
 Restrepo, University of Miami
- 4459. AAG's J. Warren Nystrom Award Session I**  
*Room:* Dusable, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): AAG  
 CHAIR(S): Sarah Elwood, University of Washington  
**1:20** John Paul Catungal\*, University of British Columbia,  
*Therapeutic spaces as political geographies:  
 performing ethno-specificity in sexual health  
 promotion.*  
**1:40** Jairus Rossi\*, University of Kentucky, *Embodying  
 Discourse through Practice: Restored Ecosystems as  
 Cultural Landscapes.*  
**2:00** Colleen C Hiner, PhD\*, Texas State University, *Beyond the  
 edge and in between: (Re)conceptualizing the rural-  
 urban interface as meaning-model-metaphor.*  
**2:20** Amy E. Frazier, Ph.D.\*, Oklahoma State University, *A Data  
 Aggregation Technique to Improve Landscape Metric  
 Downscaling.*  
 Discussant(s): Eric D. Carter, Macalester College; Robert W.  
 Lake, Rutgers University; Melissa R. Gilbert, Temple  
 University
- 4460. Fast/Slow States: Time-Space, Technology, and Water Governance, I (Sponsored by Cultural and Political Ecology Specialty Group, Water Resources Specialty Group)**  
*Room:* Field, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Eric P Perramond, Colorado College; Wendy  
 Elizabeth Jepson, Texas A&M University  
 CHAIR(S): Jessica Budds, University of East Anglia  
**1:20** Jessica E Barnes\*, University of South Carolina,  
*Maintaining What? The Politics of Canal Maintenance  
 in Egypt.*  
**1:40** Trevor Birkenholtz\*, University of Illinois at Urbana-  
 Champaign, *Waiting on Water: informalization,  
 urbanization and water infrastructure development in  
 India.*  
**2:00** Rebecca Lave\*, Indiana University, *Banking and Time.*  
**2:20** Jessica Budds\*, University of East Anglia, *Destabilizing  
 neoliberal water: Analysing hydrosocial change in  
 Chile.*  
 Discussant(s): Wendy Elizabeth Jepson, Texas A&M University
- 4461. Placing Race in Political Ecology III: Discussion (Sponsored by Ethnic Geography Specialty Group)**  
*Room:* Horner, Hyatt, West Tower, Silver Level (Panel Session)  
 ORGANIZER(S): Richard Milligan, University of Georgia; Levi  
 Van Sant, university of georgia  
 CHAIR(S): Emma Gaalaas Mullaney, The Pennsylvania State  
 University  
 Introducer: Laura-Anne Minkoff-Zern  
 Panelists: Priscilla McCutcheon, University of Connecticut;  
 Tyler McCreary, York University; Christine Biermann,  
 University of Washington; Levi Van Sant, university of  
 georgia

- 4462. Remote Control: Conservation Surveillance and Technologies of Power (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**  
*Room:* McCormick, Hyatt, West Tower, Silver Level (Panel Session)  
 ORGANIZER(S): Richard A. Schroeder, Rutgers University;  
 Jenny Isaacs, Rutgers University  
 CHAIR(S): Richard A. Schroeder, Rutgers University  
 Introducer: Richard A. Schroeder  
 Panelists: Elizabeth Lunstrum, Department of Geography;  
 Michael Keith McCall, Universidad Nacional  
 Autonoma De Mexico; Jenny Isaacs, Rutgers  
 University; Robert Wilson, Syracuse University; Eric  
 Nost, University of Wisconsin-Madison
- 4463. Changing Landscapes and Livelihoods in the Amazon Basin 3: Community, conservation, and conflict in Amazonia (Sponsored by Latin America Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**  
*Room:* Ogden, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Christian Abizaid, University of Toronto;  
 David S. Salisbury, University of Richmond  
 CHAIR(S): David S. Salisbury, University of Richmond  
**1:20** Sara K. Diamond\*, University of Texas, *Livelihoods and  
 Conservation in the Western Amazon: Changing  
 Perspectives on Natural Resource Use.*  
**1:40** Mireya Bravo Frey\*, Clark University, *Negotiating  
 knowledges through institutions. The micropolitics of  
 resource governance in the Oxapampa-Ashaninka-  
 Yanesha Biosphere Reserve.*  
**2:00** Katherine MacDonald\*, York University, *"No  
 Trespassing": Changing and Contested Rights to Land  
 in the Guyanese Amazon.*  
**2:20** Diego B. Leal\*, University of Richmond; David S.  
 Salisbury, University of Richmond, *Territorial  
 Tragedy: Indigenous Struggle for Legal Title in the  
 Amazon Borderlands.*  
**2:40** David S. Salisbury\*, University of Richmond; Diego B.  
 Leal, University of Richmond, *Assassinations in the  
 Amazon: Edwin Chota, Climate Change, and the  
 Ashéninka Quest for Environmental Justice.*
- 4464. Planning Perspectives & Policy: Spatial & Temporal Patterns Around the Baltic (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**  
*Room:* Wright, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel  
 S. Trumbull, University of Connecticut  
 CHAIR(S): Nathaniel S. Trumbull, University of Connecticut  
**1:20** Johanna Holvandus\*, University of Tartu; Johanna  
 Holvandus, University of Tartu; Kadri Leetmaa,  
 University of Tartu, *Urban Movements in Spatial  
 Planning: the Case of Tallinn, Estonia.*  
**1:40** Maris Berzins\*, University of Tartu; Tiit Tammaru,  
 University of Tartu; Ott Siim Toomet, University  
 of Tartu; Zaiga Krisjane, University of Latvia;  
 Kadri Leetmaa, University of Tartu; Annika Väiko,  
 University of Tartu, *Assessing the role of migration on  
 residential segregation: destination choice of internal  
 migrants in Estonia and Latvia.*  
**2:00** Hille Koskela\*, University of Turku, *Ban Begging,  
 Clean the Streets! - Revanchist Urban Policy Meets  
 Scandinavia.*  
 Introducer: Jeremy Tasch  
 Discussant(s): Nathaniel S. Trumbull, University of Connecticut
- 4465. Vulnerability, Privilege and Affluence: Exploring the Connections (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Hazards, Risks, and Disasters Specialty Group)**  
*Room:* Michigan A, Hyatt, East Tower, Ped Path (Panel Session)

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ORGANIZER(S): Christine Eriksen, University of Wollongong;  
Gregory Simon, University of Colorado Denver  
CHAIR(S): Gregory Simon, University of Colorado Denver  
Introducer: Brad Coombes  
Panelists: Sarah Dooling, the university of texas; Timothy W. Collins, University of Texas - El Paso; Christine Eriksen, University of Wollongong; Harold Alan Perkins, Ohio University

## 4466. Disastrous Political Ecologies I: Critical Perspectives on Disaster (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Development Geographies Specialty Group)

Room: Michigan B, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Keith Lindner, Mitul Baruah

CHAIR(S): Keith Lindner

1:20 Elsa Peinturier\*, *Operational dimensions of crisis : spatial and temporal footprint of a disaster, Katrina as a case study..*

1:40 Manuela Teresa Fernandez\*, Université de Lausanne, *Social conflict as an opportunity to identify what constitutes a disaster.*

2:00 Nicolas Vergara\*, Rutgers, the State University of New Jersey, *Unraveling the Paradox of Producing an Expected Disaster: The Case of the 2014 "Big Fire" in Valparaíso, Chile.*

2:20 Christina Greene\*, University of Arizona, *Drought, Labor, and Food Insecurity: A Political Ecology of the California Drought.*

Discussant(s): Jason A. Byrne, Griffith University

## 4467. GIS Specialty Group Honors Student Paper Competition (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Michigan C, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Somayeh Dodge, University of Colorado Colorado Springs

CHAIR(S): Somayeh Dodge, University of Colorado Colorado Springs

1:20 Lauren Anderson\*, University of Georgia, *Mergers and Network Effects: Understanding the Increase in Percentage of Non-Weather-Caused Flight Delays in the United States from 2004 to 2013.*

1:40 SU HAN\*, *Global Cities enable Global Views? Using Social Media (Twitter) to Quantify the Level of Geographical Awareness for Their Users in Different Cities.*

2:00 Paul Holloway\*, University of Texas at Austin; Jennifer A Miller, University of Texas at Austin, *Modeling species range shifts in response to climate change: how does incorporating migration affect uncertainty in projections?.*

2:20 Caglar Koçulu\*, University of South Carolina, *A spatio-temporal approach to extracting and visualizing topics from Twitter.*

2:40 Xiran Zhou\*, Arizona State University; Wenwen Li, Arizona State University, *Semantic Query and Reasoning of Spatiotemporal Changes with Geospatial Cyberinfrastructure and Earth Observation: the Case of Land Use/Land Cover Changes.*

## 4468. Social movements and urban planning: The learning gap-1 (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group)

Room: Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Tuna Tasan-Kok, TUDelft; Basak Demires Ozkul, Istanbul Technical University Department of Urban and Regional Planning; Ayda Eraydin, Middle East Technical University

CHAIR(S): Tuna Tasan-Kok, TUDelft

Introducer: Tuna Tasan-Kok

1:25 Nina Gribat\*, TU Berlin, *Urban conflicts and changing*

*planning practices: "Kahlschlagsanierung" versus Mediaspree and Tempelhof in Berlin.*

1:45 Sebastian Schipper\*, Bauhaus-University Weimar, *Urban Social Movements and the struggle for affordable housing in Tel Aviv-Jaffa.*

2:05 Raquel Garcia Gonçalves\*, Universidade Federal De Minas Gerais; Ricardo Paiva, Anima Educação; Karina Machado, Universidade Federal de Minas Gerais; Brenda Bernardes, Centro Universitário Metodista Izabela Hendrix, *Consensus or dissent? The institutionalized popular participation X the spontaneous participation expressed in urban conflicts in Belo Horizonte - MG/Brazil.*

2:25 Nehal El-Hadi, PhD (ABD) in Planning\*, University of Toronto, *How women of colour transmute online activism into participation in city-building processes and outcomes.*

Discussant(s): Ayda Eraydin, Middle East Technical University

## 4469. Logistics and Power I: Logistical Economies (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Martin Danyluk, University of Toronto; Kyle Loewen, University of British Columbia

CHAIR(S): Martin H. Hess, University of Manchester

1:20 Martin Danyluk\*, University of Toronto, *"Battle of the Ports": The Panama Canal Expansion and the Shifting Architecture of World Trade.*

1:40 Dean Snyder\*, Syracuse University, *Commodity Chains, Class Power, and Logistics: Commercial Capital as Global Circuit Manager.*

2:00 Beth Gutelius\*, University of Illinois at Chicago, *"Lights" and "Heavies": Gendered Work in Distribution.*

2:20 Jinn-yuh Hsu\*, National Taiwan University, *The Intersection of the Heterogeneous Economies and Logistical Power: The Smart Logistics in Taiwan's Free Economic Zone.*

## 4473. Remote Sensing Techniques for Population Characterization (Sponsored by Remote Sensing Specialty Group, Population Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Lucerne I, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Jeanette Weaver, Oak Ridge National Laboratory; Melanie Phillips, Oak Ridge National Laboratory

CHAIR(S): Jeanette Weaver, Oak Ridge National Laboratory

1:20 Ron Mahabir\*, Department of Geography and Geoinformation Science, George Mason University; Peggy Agouris, PhD, Department of Geography and Geoinformation Science, George Mason University; Anthony Stefanidis, PhD, Department of Geography and Geoinformation Science, George Mason University; Arie Croitoru, PhD, Department of Geography and Geoinformation Science, George Mason University; Andrew Crooks, PhD, Department of Computational Social Science, George Mason University, *Slum detection and mapping- A synthesis of methods, challenges and opportunities for supporting improved population monitoring.*

1:40 Harini Sridharan, Dr. \*, Oak Ridge National Laboratory; Anil Cheriyyad, Dr., Oak Ridge National Lab; Dilip R Patlolla, Oak Ridge National Lab; Vincent R Paquit, Dr., Oak Ridge National Lab; Jiangye Yuan, Dr., Oak Ridge National Lab, *High Performance Computing for Large Scale Settlement Mapping and Characterization using High Resolution Imagery.*

2:00 Jeanette Weaver\*, Oak Ridge National Laboratory; Melanie Phillips, Oak Ridge National Laboratory, *Spectral Based Patterns in Feature Extraction to Detect Settlement Information.*

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**2:20** Melanie Phillips\*, Oak Ridge National Laboratory; Devin White, Oak Ridge National Laboratory; Jeanette Weaver, Oak Ridge National Laboratory; Eric Weber, Oak Ridge National Laboratory, *Exploring New Heights: Building Height Extraction for Population Modelling*.

**2:40** DongMei Chen\*, Queen's University; Masroor Hussain, Department of Geography, Queen's University, *A toolset for evaluating image segmentation quality through automated shape comparison*.

**4474. Towards more 'critical' geographies of heritage and its making 2 (Sponsored by Cultural Geography Specialty Group)**

*Room:* Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Claudio Minca, Wageningen University; Hamzah Muzaini, Wageningen University

CHAIR(S): Hamzah Muzaini, Wageningen University

**1:20** Chloe Fox\*, University of Toronto, *Expanding the Lens of Critical Heritage Studies: Understanding the Process and Politics of Heritage-Led Economic Revitalization in Victoria, B.C.*

**1:40** Brittany Cook\*, University of Kentucky, *Fair Trade Sumud: Heritage, Resistance, and Social Entrepreneurship*.

**2:00** James A. Tyner, PhD\*, Department of Geography, Kent State University, *The Vicissitudes of a Dark Heritage: Contradictions in Cambodia's Killing Fields*.

**2:20** Jamie Gillen\*, National University of Singapore, *Motorbike Tourism and the Rise of "New" Heritage in Ho Chi Minh City, Vietnam*.

**2:40** Derek H. Alderman\*, University of Tennessee; Stephen Hanna\*, University of Mary Washington; David L. Butler, University of Southern Mississippi, *Memory, Slavery, and Plantation Museums: The River Road Project*.

**4475. Building Urban Agendas for the 21st Century (Sponsored by Urban Geography Specialty Group)**

*Room:* Lucerne 3, Swissôtel, Lucerne Level (Panel Session)

ORGANIZER(S): Andrew Karvonen, University of Manchester; Kevin Ward, University of Manchester

CHAIR(S): Andrew Karvonen, University of Manchester

Panelists: Roger Keil, YORK UNIVERSITY; Matthew Gandy, University College London; Rachel Weber, University of Illinois At Chicago; Ananthakrishna Maringanti, Hyderabad Urban Lab; Diana Mitlin

**4476. Coastal and Marine Student Paper Merit Competition II - Social Coast (Sponsored by Coastal and Marine Specialty Group)**

*Room:* Alpine 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Thomas Crawford, Saint Louis University

CHAIR(S): Thomas Crawford, Saint Louis University

**1:20** Lucia Ordonez-Gauger\*, Humboldt State University, *Assessing Fishermen's Perceptions of the Ecology and Management of the California North Coast MPA Network*.

**1:40** Yin-Hsuen Chen\*, University of Florida; Joann Mossa, University of Florida; Timothy Fik, University of Florida, *Fine-scale Vulnerability Assessment and Economic Losses Estimation of Flooding and Storm Surge Hazard in Coastal Community - A Case Study in Sarasota, Florida*.

**2:00** William Baker\*, Texas A&M University; Kyle Alexander, Texas A&M University, *Rip Current Hazard at Playas Jaco and Cocles, Costa Rica*.

**2:20** Karly Bitsura-Meszáros\*, North Carolina State University; Jordan W Smith, Ph.D., North Carolina State University; Mae A Davenport, Ph.D., University of Minnesota; Erin Seekamp, Ph.D., North Carolina State University, *Assessing the climate readiness of Minnesota's nature-based tourism-dependent North*

*Shore region through a spatial analysis of local resource management plans.*

**4477. Spatiotemporal Symposium: Natural Hazard (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**

*Room:* Alpine 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Min Sun, George Mason University; Jizhe Xia, Weihe Wendy Guan, Harvard University

CHAIR(S): Jamie Mitchem, University of North Georgia

**1:20** Misa Yasumiishi\*, University at Buffalo; Chris Renschler, Associate Professor, Department of Geography, University at Buffalo; Thomas Bittner, Associate Professor, Department of Philosophy/Geography, University at Buffalo; The PhoneLab, Department of Computer Science and Engineering, University at Buffalo, *Spatial and Temporal Analysis and Design of Disaster Response Management*.

**1:40** Wenbin Sun\*, China university of mining & technology(Beijing); Hongxing Liu, Geography department, University of Cincinnati; Shujie Wang, Geography department, University of Cincinnati, *Detection and quantification large-scale landslides based on multi-temporal DEMs using an object-based approach*.

**2:00** Derek Maassen\*, Western Illinois University, *Geotemporal Dependency of Winter Storm Warning Forecast Accuracy for Davenport, Iowa*.

**2:20** Jamie D. Mitchem, Ph.D., GISP\*, University of North Georgia, Institute for Environmental and Spatial Analysis, *Spatial and Temporal Analysis of Trends in Tornado Data Using GIS Interpolation Techniques*.

**4478. Enforcing Borders, Controlling Immigration 3: Immigration control at the scale of the local and the community (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)**

*Room:* Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Austin Kocher, The Ohio State University, Department of Geography; Andrew David Burridge, University of Exeter; Lauren Martin, University of Oulu

CHAIR(S): Andrew David Burridge, University of Exeter

**1:20** Rebecca Emily Murray\*, University of Sheffield, *"Let the right one in" Transcending borders, barriers & binaries; widening access to higher education for forced migrants..*

**1:40** Caroline Nagel\*, University of South Carolina; Patricia Ehrkamp, University of Kentucky, *Policing the borders of church and societal membership: Immigrants and faith-based communities in the U.S. South*.

**2:00** Lindsey Carte\*, Utah State University, *Enacting everyday restriction: Bureaucrats and their practice of immigration control on the Mexico-Guatemala border*.

**2:20** Jonathan Darling\*, University of Manchester, *Contracts, cuts and contacts: exploring Strategic Migration Partnerships as tools of immigration control*.

Discussant(s): Kate Coddington, Durham University

**4479. Transport Markets in Core and Periphery After Deregulation (Sponsored by European Specialty Group, Economic Geography Specialty Group, Transportation Geography Specialty Group)**

*Room:* St. Moritz, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Balázs Forman, Corvinus University of Budapest

CHAIR(S): Balázs Forman, Corvinus University of Budapest

**1:20** Jaroslav Burian, Palacky University, Olomouc; Lenka Zajickova, Palacky University, Olomouc; Vit Vozenilek\*, Palacky University, Olomouc; Igor Ivan, VSB-Technical University in Ostrava; Jiri Horak, VSB-

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Technical University in Ostrava, *City Population's Behavior in Public Transportation*.

**1:40** Jerzy J. Jemioło\*, Ball State University, "*An airline without borders*": a case study of Wizzair.

**2:00** Pierre Jacques Callies, MGIS Graduating Student\*, Saint Cloud State University, *A Case for Four-Lane Highway Interchanges*.

Discussant(s): Joseph Yamill Geigel, University of Puerto Rico; Charlotte Rauchle, Humboldt-University Berlin, Geography Department; Jerl Levi McCollum; Thomas A. Wikle, Oklahoma State

## **4481. Cities and Urban Regions in the Americas 3 (Sponsored by Latin America Specialty Group, Qualitative Research Specialty Group, Development Geographies Specialty Group)**

*Room:* Verbier, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Betty Elaine Smith, Eastern Illinois University; Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul

CHAIR(S): Betty Elaine Smith, Eastern Illinois University

**1:20** Adam Okulicz-kozaryn\*, Rutgers-Camden, *When Place is Too Big: Happy Town and Unhappy Metropolis*.

**1:40** Thomas Favre-Bulle\*, Ecole Polytechnique Fédérale de Lausanne, *Who supports collaboration in American metropolitan areas?*.

**2:00** Enjie Li\*, Department of Environment and Society, Utah State University,; Shujuan Li, Landscape Architecture & Environmental Planning Department, Utah State University,; Joanna Endter-Wada, Department of Environment and Society, Utah State University,, *Spatiotemporal Dynamics of Water-Related Agricultural Land Use during Rapid Urbanization Process*.

**2:20** Adam Alsamadisi\*, University of Tennessee-Knoxville, *Landscape Fragmentation and Urban Development Influence Human and Black Bear Interactions in Buncombe County, North Carolina*.

**2:40** Khila R Dahal\*, Boise State University, *Identification and prioritization of urban growth drivers in the Treasure Valley of Idaho*.



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## 4501. Deaf Geographies: Deaf spaces and the methodological transformation of the academy (Sponsored by Cultural Geography Specialty Group, Disability Specialty Group, Communication Geography Specialty Group)

**Room:** Skyway 260, Hyatt, East Tower, Blue Level (Panel Session)  
 ORGANIZER(S): Mike Gulliver, University of Bristol  
 CHAIR(S): Mike Gulliver, University of Bristol  
 Introducer: Mike Gulliver  
 Panelists: Dai O'Brien, York St John University; John David Walker, University of Sussex; Mary Kitzel

## 4502. Economic Development in the Americas II (Sponsored by Graduate Student Affinity Group, Ethnic Geography Specialty Group)

**Room:** Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Graciela Sandoval  
 CHAIR(S): Karen Lucas, University of Leeds  
**3:20** Lauren Miller, University of New Brunswick; Troy D Abel, PhD\*, Western Washington University on the Peninsulas, *Mesoamerican Conservationism: Multi-level Governance Geographies across the La Amistad International Protected Area*.  
**3:40** Natalia Perez\*, Land Restitution Unit, *The political economy of land restitution in the "Altillanura" of Colombia*.  
**4:00** Emily M. Haskins\*, Augustana College, *Fishing for Sustainable Development: The introduction of invasive trout in Cajas National Park, Ecuador*.  
**4:20** Chris Courtheyn\*, UNC Chapel Hill, *Struggles over peace and territory: The San José Peace Community and competing territorialities of neo-extractivism and autonomy in Colombia*.  
**4:40** Karen Lucas\*, University of Leeds; Nihan Akyelken, Dr, Transport Studies UNit, University of Oxford, *Building transport for society: towards socially just transport appraisal*.

## 4505. Geographies of Labour and Development 2 (Sponsored by Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

**Room:** Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Maureen H. Hickey, Portland State University; Siobhan McGrath, Durham University; Suzanne Mills, McMaster University  
 CHAIR(S): Suzanne Mills, McMaster University  
**3:20** Natalie Langford\*, University of Manchester - Manchester, *The Governance of Labour Standards and the Expansion of Southern Markets: The role of Brazilian and Indian Civil Society Organisations*.  
**3:40** Brendan Sweeney\*, McMaster University; Charlotte A.B. Yates, McMaster University, *The Impact of the Geographic Restructuring of the North American Auto Industry on Canadian Autoworker Collective Agreements: A Return to Uniformity?*.  
**4:00** Steven Tufts\*, Department of Geography, York University, *Hotel sector development in an age of uncertainty: A labour perspective*.  
**4:20** Ian MacDonald\*, Université de Montréal, *Beyond Uneven Development? Labour's Producer-Consumer Alliances in Urban Space*.  
**4:40** Kanchana N. Ruwanpura\*, University of Edinburgh; Annelies Goger, IMPAQ, California, USA, *"Ethical Reconstruction? Sri Lankan Apparel Sector's Role in Post-War Development and Nation Building"*.

## 4506. Air transport geographies: comparing Europe and North America (II) (Sponsored by Transportation Geography Specialty Group)

**Room:** Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Frederic Dobruszkes, Brussels University (ULB); Andrew R. Goetz, University of Denver

CHAIR(S): Andrew R. Goetz, University of Denver

**3:20** Andrew R. Goetz\*, University of Denver, *The Geographic Strategies of Low-Cost Airlines: Comparisons between the United States and Europe*.

**3:40** Frédéric Dobruszkes\*, Brussels University (ULB); Moshe Givoni, Tel-Aviv University; Timothy M. Vowles, Colorado State University, *A subtle change or a new business model? Investigating low-cost airlines and airports relations in metropolitan areas*.

**4:00** Shengrun Zhang\*, Gent University; Ben Derudder, Department of Geography, Gent University, Gent, Belgium; Dirk Vanheule, Faculty of Law, Antwerp University, Antwerp, Belgium; Frank Witlox, Department of Geography, Gent University, Gent, Belgium, *Route structure and concentration in the transatlantic markets: comparing secondary airports in Europe and US*.

**4:20** Pierre Ageron\*, Université de Strasbourg, LIVE UMR 7362, FRANCE, *Airport ground access in Europe & North America: differentiated roles for rail?*

## 4508. Crime and place

**Room:** Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Vania Ceccato, Royal Institute of Technology; Meghan Elizabeth Hollis, Michigan State University; Richard Block, Loyola University - Chicago  
 CHAIR(S): Vania Ceccato, Royal Institute of Technology  
**3:20** Vania Ceccato, Associate Professor\*, Housing and Safety Research Group, School of Architecture and the Built Environment, Royal Institute of Technology (KTH); Douglas Wiebe, Associate Professor, Perelman School of Medicine, University of Pennsylvania, USA; Bita Eshraghi, Department of Rape Victim Centre, Karolinska Institute, Sweden; Katerina Vrotsou, Association Professor, Department of Science and Technology, Linköping University, Sweden, *The geography of rape*.  
**3:40** Meghan Elizabeth Hollis, Ph.D.\*, Michigan State University, *Why They Can't Leave Detroit: Disadvantage, Population Change, and Homicide*.  
**4:00** Narushige Shiode, Associate Professor, University of Warwick; Shino Shiode, Environment and Development Studies, University of London; Richard Block, Professor Emeritus\*, Loyola University - Chicago; Carolyn R Block, Retired, Illinois Criminal Justice Information Authority, *A New Tool for Identifying Space and Time Hot Spots on a Street Network*.  
**4:20** Chester Harvey\*, University of Vermont, *Measuring Streetscape Design for Livability Using GIS*.  
 Discussant(s): Vania Ceccato, Royal Institute of Technology

## 4509. New approaches to coupling human and water dynamics (Sponsored by Human Dimensions of Global Change Specialty Group, Water Resources Specialty Group)

**Room:** Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Paul F. McCord, Indiana University; Drew Gower, Princeton University  
 CHAIR(S): Paul F. McCord, Indiana University  
**3:20** Laura Benneyworth\*, Vanderbilt University, *Drinking Water Insecurity in a Coastal Southwestern Bangladesh Community*.  
**3:40** Tatyana Deryugina, University of Illinois at Urbana-Champaign; Megan Konar\*, University of Illinois at Urbana-Champaign; Xiaowen Lin, University of Illinois at Urbana-Champaign, *Impact of Crop Insurance on Crop Water Use*.  
**4:00** Rachel Will\*, University of Georgia, *Critical Meta-Analysis: A Methodological Approach for Understanding Socio-Hydrology*.  
 Discussant(s): Karl S. Zimmerer, Pennsylvania State University; Jesse Ribot, University of Illinois

**FRIDAY, APRIL 24 • 3:20 PM - 5:00 PM • 4500****4510. Political Economy of 'New' India - 02 (Sponsored by Asian Geography Specialty Group, Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group)**

- Room:** Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Ritika Shrimali, York University; Sudarshana Bordoloi, Saint Cloud State University  
 CHAIR(S): Sudarshana Bordoloi, Saint Cloud State University  
**3:20** Ritika Shrimali, Dr.\* York Centre for Asian Research, York University, "India continues to serve as a low-wage platform for capitalism": Case of Contract Farming in 'New' India.  
**3:35** Charvaak Pati\*, York University, *The Political Economy of Working class Politics in Neoliberal India*.  
**3:50** Ashok Kumar\*, Oxford University, *A labour countermovement in Bangalore's periphery*.  
**4:05** Ilona Moore\*, University of Minnesota, *Unpacking the "paradox of plenty": food security and development in a "global" economy*.

**4511. Economic Geography and Analysis**

- Room:** Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Program Committee  
 CHAIR(S): Jesus A. Trevino, UANL  
**3:20** Emanuela Marrocu\*, Università di Cagliari and CRENoS; Raffaele Paci, Università di Cagliari and CRENoS; Andrea Zara, Università di Cagliari and CRENoS, *Micro-economic determinants of tourist expenditure: a quantile regression approach*.  
**3:40** Jeneris N. Colon, student\*, University of Puerto Rico, *Political Status intervention in the Caribbean Islands an Economic Analysis*.  
**4:00** Minrui Zheng\*, University of North Carolina at Charlotte; Jing Deng, University of North Carolina at Charlotte; Wenpeng Feng, University of North Carolina at Charlotte; Wenwu Tang, University of North Carolina at Charlotte, *Spatially explicit variation in land price: spatial hedonic modeling based on artificial neural networks*.  
**4:20** Jesus A. Trevino-Cantu\*, UANL; Ard Anjomani, UT-Arlington, *Spatial pattern of poverty. A new procedure to identify the spatial hierarchy of poverty in Mexico, 2010*.

**4513. Student Opportunities for Study and Career Development in Location Intelligence (Sponsored by AAG Jobs and Careers Theme, Business Geography Specialty Group)**

- Room:** Columbus AB, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Murray Rice, University of North Texas; Tony Hernandez, Ryerson University; Simona Epasto, University of Macerata  
 CHAIR(S): Murray Rice, University of North Texas  
 Introducer: Murray Rice  
 Panelists: Brett J. Lucas, City of Cheney, WA; Herman Kok, Multi / ODTU; Linda A. Peters, Esri

**4514. Urban Parks & Public Space II (Sponsored by Recreation, Tourism, and Sport Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group)**

- Room:** Columbus CD, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Dorothy Ibes, College of William & Mary - Williamsburg, VA  
 CHAIR(S): Dorothy Ibes, College of William & Mary - Williamsburg, VA  
**3:20** Bryan S R Grimwood, PhD\*, University of Waterloo, *Resisting and Reproducing Gendered Natures: A Feminist Narrative of Nature Connection and Urban Spaces*.  
**3:40** Ate Poorthuis\*, University of Kentucky, *A multi-method study of everyday life in New York's public spaces*.  
**4:00** Phil Birge-Liberman\*, University of Connecticut, *The Ghost of Olmsted and the Social Construction of*

*Nature in Urban Park Restoration*.

- 4:20** Megan Heckert\*, West Chester University, *Vacant land as public greenspace - uses of greened lots by neighborhood residents*.

- 4:40** Jennifer-Grace Ewa, JD/MUP\*, University of Denver, *Beaches: Segregation, Zoning, and Environmental Disenfranchisement*.

**4515. Speed-Dating with an NSF Program Officer (Opportunity 3 of 3) (Sponsored by AAG Jobs and Careers Theme)**

- Room:** Columbus EF, Hyatt, East Tower, Gold Level (Panel Session)  
 ORGANIZER(S): Thomas J. Baerwald, National Science Foundation  
 CHAIR(S): Thomas J. Baerwald, National Science Foundation

**4516. Shifting the gaze: "Studying up" and implications for development interventions**

- Room:** Columbus G, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Poonam Jusrut, University of Illinois At Urbana  
 CHAIR(S): Alex Clapp, Simon Fraser University  
**3:20** V. Kelly Turner\*, Kent State University, *Master Planning Sustainability? An Institutional Analysis of New Urbanism and Conservation Subdivision Development Project Implementation*.  
**3:40** Zackery Thill\*, University of Oregon, *Sustainable development without institutional reform? A case study of wetland restoration in Azraq, Jordan..*  
**4:00** Dilli Prasad Poudel\*, University of Bergen, *Institutional disjunctions in forest management in Trans-Himalayan Nepal: A lesson to be learnt for REDD+ implementation*.  
**4:20** Ramesh Pandhrinath Gaikwad, Research Scholar\*, Jawaharlal Nehru University New Delhi, *Geopolitical Intervention and Emerging Global Order : A Study of Indo-US Quest for Global Peace*.  
**4:40** Alex Clapp\*, Simon Fraser University; Roger Hayter\*, Simon Fraser University, *Remapping, Regional Development, and Institutional Thickening in the Great Bear Rainforest*.

**4518. Tuan's Next Generation: Modern scholarship influenced by the iconic geographer (Sponsored by History of Geography Specialty Group, Cultural Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)**

- Room:** Columbus IJ, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Gregory Schwartz, University of Texas Geography; Paul C. Adams, University of Texas at Austin  
 CHAIR(S): Gregory Schwartz, University of Texas Geography  
**3:20** James Mills\*, *Pilgrimage in a New Key*.  
**3:40** Andrew Myers\*, University of Montana, *Remaking Nature in Montana: Topophilic Considerations of Wolves and Trapping*.  
**4:00** Lance F. Howard\*, Clemson University, *(Post-) Contemporary Human(im)ism in Geography*.  
**4:20** Richard A. Waugh\*, University of Wisconsin, Platteville, *Recovering Place from Placelessness: Ancestral Topophilia among the Cayuga*.  
**4:40** Leticia Padua\*, Universidade Federal dos Vales do Jequitinhonha e Mucuri - UFVJM/BRAZIL, *Yi-Fu Tuan's geography: essences and persitencies*.

**4519. Geographers on John Muir - Critically Assessing His Legacy and Relevance 100 Years On (Sponsored by Cultural and Political Ecology Specialty Group, Biogeography Specialty Group)**

- Room:** Columbus KL, Hyatt, East Tower, Gold Level (Panel Session)  
 Organizer, Chair and Introductory Remarks:  
**Glen M. MacDonald, UCLA**

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## Panelists:

**Sara McLafferty**, University of Illinois at Urbana – Champaign  
**David Lopez-Carr**, University of California, Santa Barbara  
**Wenzhong Shi**, Hong Kong Polytechnic University  
**David Balshaw**, NIH National Institute of Environmental Health Sciences (NIEHS)

Discussant: **Michael F. Goodchild**, University of California, Santa Barbara

Do Muir's ethos and prescriptions regarding nature, wilderness preservation and conservation have continuing relevance and benefit in the 21st century, or should the entire corpus be replaced by new paradigms? A diverse panel of geographers will present views from the biophysical, conservation, social, cultural and political ecology perspectives and discuss with the audience if, a century after his death, Muir should be laid to rest or can we find new relevance.

## 4520. Development and Humanitarian Issues in Southeast Asia (Sponsored by Asian Geography Specialty Group)

*Room:* Grand A, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Ralph Lenz, Wittenberg University

CHAIR(S): Ralph Lenz, Wittenberg University

**3:20** Nick Kontogeorgopoulos\*, University of Puget Sound, *Community-Based Tourism in Thailand: Opportunities, Limitations, and Determinants of Success.*

**3:40** Savina Sirik\*, *Everyday Experiences of Cambodian Genocide Survivors in Hidden Landscapes of Violence.*

**4:00** Vanessa Banta\*, University of British Columbia, *Land of No Returns: Remittance and Dispossession in Caloocan, Metro Manila.*

**4:20** Arnisson Andre Caparas Ortega\*, University of the Philippines, *Transnational Suburbia: Spatialities of Overseas Filipino mobilities and the Production of Gated Suburban Communities in Manila's Peri-Urban Fringe.*

**4:40** Elena Givental, Ph.D.\*, California State University - East Bay, *Open Economy in a Closed Society and Closed Economy in an Open Society: Comparing Vietnam and Ethiopia.*

## 4521. (De)Sexualisation & (De)Pornification of Space III: Sex Work(er) Markets and Mobilities (Sponsored by Sexuality and Space Specialty Group)

*Room:* Grand B, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Paul J. Maginn, University of Western Australia; Martin Zebracki, University of Leeds; Emily Cooper, Lancaster University

CHAIR(S): Paul J. Maginn, University of Western Australia

**3:20** Ari Bass, JD\*, *From Frisco to Vegas: The Economic Geography of the American Commercial Pornosphere.*

**3:40** Trevon D. Logan\*, The Ohio State University, *Men on the Move: The Traveling Patterns of Male Sex Workers In The U.S..*

**4:00** Kristien Lieve Gillis\*, University of Antwerp, *The economic organization of street prostitution in the Alhambra area in Brussels.*

**4:20** Nick Skilton\*, University of Wollongong, *Mining and Sex Work: Recentring the margins of unequal labour laws..*

Discussant(s): Paul J. Maginn, University of Western Australia

## 4522. Politics of Failure I - Encounters

*Room:* Grand C/D North, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Clancy Wilmott; Sam Hind, University of Warwick

CHAIR(S): Sam Hind, University of Warwick

**3:20** Helen F Wilson\*, University of Manchester - Manchester, *Intercultural dialogue, misunderstanding and making mistakes: towards a celebration of failure.*

**3:40** Andrea Craft, M.A.\*, University of Illinois At Chicago, *Participation as Protest: Repoliticizing collaboration in public housing redevelopment.*

**4:00** Anna McLauchlan\*, Geography, University of Strathclyde, *Strategic environmental assessment and me: Failure, disillusionment and a liberating loss of control.*

**4:20** Mark Griffiths\*, University of Oulu, *Unethical research encounters: failure, positionality and the body.*

Discussant(s): Clancy Wilmott

## 4523. Nationalism, Populism, Fascism (1): Transnational Perspectives (Sponsored by Socialist and Critical Geography Specialty Group)

*Room:* Grand C/D South, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Gillian Hart, University of California,

Berkeley; Stefan Kipfer, York University

CHAIR(S): Jim Glassman, University of British Columbia

**3:20** Stefan Kipfer, Associate Professor\*, York University; Parastou Saberi, Faculty of Environmental Studies, York University, *Populism, Fascism and the Survival of Capitalism.*

**3:40** Parastou Saberi\*, York University, *Populism, Fascism and the Survival of Capitalism II.*

**4:00** Manu Goswami\*, New York University, *The Nation Form in the era of Neoliberalization.*

**4:20** Kanishka Goonewardena\*, University of Toronto, *Making Sense of Sinhala-Buddhist National Ideology in Sri Lanka (1977-2009).*

**4:40** Gillian Hart\*, University of California, Berkeley; Gillian Hart, University of California Berkeley, *Postcolonial Nationalisms and Passive Revolutions: Contours of a Conjunctural Comparison of India and South Africa.*

## 4524. Structures of Unfeeling: Mysterious Skin

*Room:* Grand E/F, Hyatt, East Tower; Gold Level (Panel Session)

ORGANIZER(S): Deborah Cowen, University of Toronto; Mary E. Thomas, Ohio State University; Stuart Elden, University of Warwick

CHAIR(S): Kathryn Yusoff, Queen Mary University of London

Panelists: Lauren Berlant, University of Chicago; Natalie Oswin, McGill University

## 4525. A Tribute to Harley Johansen - "The Life and Research of an Accidental Geographer" - 2 or 2 (Sponsored by Rural Geography Specialty Group, Population Specialty Group, Polar Geography Specialty Group)

*Room:* Grand Suite 2 AB, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Michele D. Vachon, University of Idaho;

Gundars Rudzitis, University of Idaho

CHAIR(S): Tim G. Frazier, University of Idaho

Introducer: Tim G. Frazier

**3:40** John Cromartie\*, USDA, *What's happened to long-term drivers of U.S. nonmetropolitan growth? Explaining changes in cohort net migration before and after the Great Recession.*

**4:00** Jenna Putnam\*, University of Idaho; Tim G Frazier, PhD, University of Idaho; Raymond Dezzani, PhD, University of Idaho, *A Mixed Methods and Spatial Analytic Approach to Assessing Housing Discrimination in a Small University Community.*

**4:20** Harley Johansen, PhD, University of Idaho; Michele D. Vachon\*, University of Idaho; Susan Kane, EpSCOR Research Assistant; Tim Frazier, University of Idaho Geography Department, *How are high-latitude municipalities adapting to climate change within their goals and strategies for development?.*

**4:40** Rose Keller, PhD\*, University of Bremen, *Managing Growth or Outgrowing Management? A Nature-Society Approach to the Planning of West Hayden Island.*

## 4526. Vegetation Dynamics IV: Treeline (Sponsored by Biogeography Specialty Group, Mountain Geography Specialty Group)

*Room:* Grand Suite 3, Hyatt, East Tower; Gold Level (Paper Session)

ORGANIZER(S): Jeremy Johnson, Texas A&M; Carissa Brown,

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Department of Geography, Memorial University;  
David Cairns, Texas A&M University

CHAIR(S): Carissa Brown, Department of Geography, Memorial University

**3:20** Steven Douglas Mamet, PhD\*, Northern Plant Ecology Lab, Department of Biology, University of Saskatchewan, Saskatoon, SK; Kunwar K Singh, PhD, Northern Plant Ecology Lab, Department of Biology, University of Saskatchewan, Saskatoon, SK; Carissa D Brown, PhD, Northern Biogeography Lab, Department of Geography, Memorial University, St. John's, NL; Jill F Johnstone, PhD, Northern Plant Ecology Lab, Department of Biology, University of Saskatchewan, Saskatoon, SK, *Pattern and process in a multi-species treeline environment: cross-scale analysis of treeline dynamics within the Wolf Creek Research Basin, southwestern Yukon, Canada.*

**3:40** Andrew Trant\*, School of Environmental Studies, University of Victoria; Luise Hermanutz, PhD, Memorial University, *Insect-mediated disturbance at treeline.*

**4:00** Lynn Resler\*, Virginia Tech; George P. Malanson, University of Iowa; Yang Shao, Virginia Tech; Diana F. Tomback, University of Colorado at Denver, *Geographic variation in functional role and occurrence of whitebark pine at alpine treeline.*

**4:20** Grant Elliott\*, University of Missouri; Chris Petrucci, University of Missouri, *Spatial Pattern-Feedback Interactions Across Moisture Gradients at Upper Treeline in the Northern Rocky Mountains.*

**4:40** Trevor C Lantz\*, University of Victoria; Nina Moffat, University of Victoria; Robert Fraser, Canada Centre for Mapping and Earth Observation; Ian Olthof, Canada Centre for Mapping and Earth Observation, *Shrub Expansion and Lichen Decline in the Tuktoyaktuk Coastal Plain, Northwest Territories, Canada.*

**4527. CyberGIS Symposium: Geospatial and Spatiotemporal Ontology and Semantics IV (Ontology Models) (Sponsored by Cyberinfrastructure Specialty Group, Cartography Specialty Group)**

*Room:* Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Gaurav Sinha, Ohio University; Chen-Chieh Feng, Geography, National University of Singapore; Alexandre Sorokine, Oak Ridge National Laboratory

CHAIR(S): Alexandre Sorokine, Oak Ridge National Laboratory  
**3:20** Xuan Shi\*, University of Arkansas, *Where are the spatial relationships in the spatial ontologies?.*

**3:40** Ying Zhang\*, The University of Oklahoma, *A meaningful cognitive map for wayfinding.*

**4:00** Jeon-Young Kang\*, University at Buffalo; Yi Yang, University at Buffalo; Jinmu Choi, Kyung Hee University, Seoul; Thomas Bittner, University at Buffalo, *An Ontology for Capturing Geographical Change: A History of Administrative Units of Seoul.*

**4:20** Kangjae Lee\*, Dept. of Informatics, University of Illinois at Urbana Champaign; Mei-Po Kwan, Dept. of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign; Jiyeong Lee, Dept. of Geoinformatics, University of Seoul, Korea, *Development of a method to integrate an ontology model and topological analysis: Focusing on activities in indoor spaces at university.*

**4:40** Shihong Du\*, Peking University; Fangli Zhang, Peking University; Zhou Guo, Peking University; Le Guo, Minzu University of China, *Semantic classification of urban buildings combining VHR images and GIS data using random forest.*

**4528. Coastal and Aeolian Geomorphology II: Aeolian Processes and Landforms (Sponsored by Coastal and Marine Specialty**

**Group)**

*Room:* Plaza A, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Brandon Edwards, Louisiana State University; Phillip Schmutz, Louisiana State University

CHAIR(S): Phillip Schmutz, Louisiana State University

**3:20** Rosana Grafals-Soto, Ph.D.\*, University of Puerto Rico, *Tropical island inventory of coastal dune locations and characteristics.*

**3:40** Alexander B Smith, PhD student\*, University of Ulster; Derek Jackson, PhD, University of Ulster; Andrew Cooper, PhD, University of Ulster; Meiring Beyers, PhD, Klimaat Consulting & Innovation Inc., *Measured and Modelled Aeolian Dynamics in an Arid Coastal Dunefield, Maspalomas, Gran Canaria.*

**4:00** Phillip Schmutz, PhD\*, Savannah State University; Steven L Namikas, PhD, Louisiana State University, *Modeling Surface Moisture Content over Space and Time for a Fine-grained Beach.*

**4:20** Brandon Edwards\*, Louisiana State University; Steven L Namikas, Louisiana State University; Richard F Keim, LSU AgCenter, *Surface-atmosphere heat flux on a sandy beach.*

**4:40** Steven Namikas\*, Louisiana State University; Phillip Schmutz, Louisiana State University; Brandon Edwards, Louisiana State University; Dustin McGrew, Louisiana State University, *Investigation of Evaporation From Beach Sand.*

**4529. Water, Sanitation, and Hygiene (WASH) Delivery in Sub-Saharan Africa (Sponsored by Africa Specialty Group, Water Resources Specialty Group)**

*Room:* Plaza B, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Ellis Adams, Michigan State University; Daniel M. Nzengya, Arizona State University

CHAIR(S): Ellis Adams, Michigan State University

**3:20** Sara Beth Keough, Ph.D.\*, Saginaw Valley State University; Scott M. Youngstedt, Ph.D., Saginaw Valley State University, *Symbolic Economies: Water and Water Vendors in Niamey, Niger.*

**3:40** Daniel M. Nzengya\*, Arizona State University, *Building Partnerships to Improve Water Service to the Urban Poor: Lessons from the Delegated Management Model in Kisumu City, Kenya.*

**4:00** Ellis Adams\*, Michigan State University, *So Close to the Cities, So Far from the Taps: 'Access' to Potable Water in Malawi's Informal Settlements.*

**4:20** Amy Richmond Krakowka\*, USMA West Point, *Determining Drivers of Household Vulnerability in Ethiopia.*

**4:40** Michela Marcatelli\*, International Institute of Social Studies, Erasmus University Rotterdam, *Producing 'nature', naturalizing inequality: Water access and uses in the Waterberg, South Africa.*

**4530. Immigrants, 'illegals,' and guest workers: The geopolitics of low-wage labor I (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group)**

*Room:* Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Laurie Trautman, Western Washington University; Lise Nelson, Penn State University

CHAIR(S): Laurie Trautman, Western Washington University

**3:20** Karin Schwiter, PhD\*, University of Zurich, *The geopolitics of labour regimes in live-in elder care: comparing Canada, Switzerland and Austria.*

**3:40** Huey Shy Chau\*, Department of Geography, University of Zurich, *A flexible and replaceable workforce in the live-in care market?.*

**4:00** William Terry\*, Clemson University, *Guest Workers in the Carolinas: H2-B and J-1 visa programs in the challenge of solve labor shortages in tourism..*

**4:20** Laurie D Trautman, PhD\*, Western Washington University, *An 'ideal' labor force: How guest worker policies are*

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*re-shaping rural resort economies in the U.S. and Canadian West.*

- 4:40** Lise Nelson\*, Penn State University, *The geopolitics of low-wage labor.*

**4531. Historical GIS II: Using Geospatial Technologies to Map Journeys, Settlements and Communities (Sponsored by GeoHumanities Theme)**

*Room:* Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): GeoHumanities

CHAIR(S): Courtney Kietzer

- 3:20** John J. Swab\*, Pennsylvania State University, *The Streetcars and Suburbs of Baltimore: A Digital Humanities Approach.*

- 3:40** Courtney Kietzer\*, Minnesota State University, Mankato, *Analyzing The Integrity of Mankato's Historic Lincoln Park Neighborhood: A GIS Approach.*

**4532. Food Networks and Politics III: International Perspectives (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Georgia Davis Conover, University of Arizona

- 3:20** Marie Syrovatkova\*, Charles University in Prague, *Local food networks in a post-communist context: the case of Czechia.*

- 3:40** Marina PAVLETIC, Graduate Student\*, Western Michigan University, *Tourism and Organic Food Production in Croatia: Potentials and Challenges of the EU Membership - Case Study of the Cetina Region.*

- 4:00** Fiona Gladstone\*, University of Arizona, *The Politics of Food in Mexico: Agrarian Transition, Political Subjectivity, and the New Latin American Social Liberalism.*

- 4:20** Kristina Monroe Bishop\*, University of Arizona; Georgia Davis Conover\*, University of Arizona; Melinda K Butterworth, University of Arizona, *"Life's a Bowl of Cherries" and Other Superfoods.*

**4533. Histories in the Making of Place-in-the-Present II: Violent Legacies (Sponsored by Latin America Specialty Group, GeoHumanities Theme, Cultural Geography Specialty Group, Historical Geography Specialty Group)**

*Room:* Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Sharlene L. Mollett, University of Toronto; Caroline Faria, University of Texas - Austin

CHAIR(S): Sharlene L. Mollett, University of Toronto

Introducer: Sharlene L. Mollett

- 3:24** Patricia M. Martin\*, Université De Montréal, *Reckoning with state-sponsored violence in Southern Mexico: Oaxaca, 1977.*

- 3:43** Kevin A. Gould\*, Concordia University, *Emplaced histories of rural property: unearthing racialized violence in northern Guatemala.*

- 4:02** Kate Swanson\*, San Diego State University; Rebecca Maria Torres\*, University of Texas at Austin, *Unaccompanied Migrant Children and Legacies of Violence in the Americas.*

- 4:21** Lawrence Knopp\*, University of Washington Tacoma, *Race, Religion, Gender, Sexuality, and the Cultural Politics of Place: Legacies of a Radical Farmer Movement and the Ku Klux Klan in Sheridan County, Montana.*

Discussant(s): Catherine L. Nolin, University of Northern British Columbia (UNBC)

**4535. Energy Transitions, EEG and Local and Regional Development: II (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**

*Room:* Picasso, Hyatt, West Tower, Bronze Level (Paper Session)  
ORGANIZER(S): Stuart Dawley, CURDS, Newcastle University; Danny Mackinnon, Newcastle University

CHAIR(S): Sally Weller, Monash University

- 3:20** Jeffrey Carey\*, Queen's University; John Holmes\*, Queen's University, *Sustainability transitions in global production networks: "Green" restructuring of the Great Lakes automotive production network.*

- 3:40** Stuart Dawley, Dr\*, CURDS, Newcastle University; Danny Mackinnon, Prof, CURDS, Newcastle University, *Path Creation, global production networks and regional development: Offshore Wind in the UK.*

- 4:00** Jasper Wellbrock\*, University of Hannover, *Path Creation through co-evolution - The emergence of the wind industry.*

- 4:20** Guy C.K. Leung\*, J.F. Kennedy School of Government, Harvard University, *China's Natural Gas Transition from Fuel to Field: A GPN Perspective.*

**4536. Disciplinarity, Genre, Agency: Literary Cartography and Environmentalism in Nineteenth- and Early Twentieth-Century America (Sponsored by GeoHumanities Theme)**

*Room:* Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Rebecca Walsh, North Carolina State University

CHAIR(S): Rebecca Walsh, North Carolina State University

- 3:20** Anne Baker\*, North Carolina State University, *Willa Cather's Literary Cartographies: Maps and Globalism in One of Ours.*

- 3:40** Amber LaPiana\*, Washington State University, *"Marked on the map": Helen Hunt Jackson and the Mapping of the Mission Indians.*

- 4:00** Martha Schoolman\*, Florida International University, *The Country and the City in the Hemispheric 1850s.*

- 4:20** Rebecca Walsh\*, North Carolina State University, *Ellen Churchill Semple and the American Literary Tradition: Environmental Determinism in Context.*

Discussant(s): Hélène DUCROS, North Carolina State University

**4537. Ethnic Geography Specialty Group Distinguished Scholar Lecture: Lawrence Estaville (Sponsored by Cultural Geography Specialty Group)**

*Room:* Wrigley, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Heike Alberts, University of Wisconsin-Oshkosh; Carlos Teixeira, University of British Columbia Okanagan

CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan

Introducer: Carlos Teixeira

- 3:30** Lawrence E. Estaville\*, Texas State University, *Ethnic Geography for Policymaking.*

Discussant(s): Fenda A. Akiwumi, University of South Florida; Edris J. Montalvo, Cameron University; John Frazier, Binghamton University

**4538. Closing Plenary: Symposium on International Geospatial Health Research - Creating Synergies (Sponsored by International Geospatial Health Research Network)**

*Room:* Acapulco, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Geospatial Health Research

CHAIR(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign University

Speakers:

**Sara McLafferty**, University of Illinois at Urbana – Champaign

**David Lopez-Carr**, University of California, Santa Barbara

**Wenzhong Shi**, Hong Kong Polytechnic University

**David Balshaw**, NIH National Institute of Environmental Health Sciences (NIEHS)

Discussant: **Michael F. Goodchild**, University of California, Santa Barbara

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- 4539. Geographies of Infectious Disease (Sponsored by International Geospatial Health Research Network)**  
*Room: Atlanta, Hyatt, West Tower, Gold Level (Paper Session)*  
 ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign  
 CHAIR(S): SEN ZHOU  
**3:20** Ruiyun Li\*, Beijing Normal University; Bing Xu, Tsinghua University, *Potential Transmission Process of H7N9 Influenza Virus in China*.  
**3:40** James D. Tamerius\*, University of Iowa, *Environmental factors associated with pandemic influenza across temperate and tropical regions*.  
**4:00** SEN ZHOU\*, Tsinghua University; HUAIYU TIAN, Beijing Normal University; BING XU, Tsinghua University, *Clade 2.2 Avian Influenza Virus H5N1 along Black Sea-Mediterranean Flyway*.
- 4540. Health Impacts of Harmful Substances (Sponsored by International Geospatial Health Research Network)**  
*Room: Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)*  
 ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign  
 CHAIR(S): Michael C. Branion-Calles  
**3:20** Marco Helbich\*, Utrecht University; Michael Leitner, Louisiana State University; Nestor D. Kapusta, Medical University of Vienna, *Effects of naturally occurring lithium and lithium-based pharmaceuticals on suicide mortality*.  
**3:40** Raeesa Moolla, Mrs\*, University of the Witwatersrand, *Benzene, toluene ethyl-benzene and xylene concentrations and associated health implications at a diesel refueling station, Johannesburg, South Africa*.  
**4:00** Madeline Hinchliffe\*, University of Oklahoma, *Analyzing Human Health Effects and Perceptions of Using Shampoo that Contains Sodium Lauryl Sulfate*.  
**4:20** Michael C Branion-Calles, BSc\*, Spatial Pattern Analysis and Research Laboratory, University of Victoria; Trisalyn A Nelson, PhD, Spatial Pattern Analysis and Research Laboratory, University of Victoria; Sarah B Henderson, PhD, Environmental Health Services, BC Centre for Disease Control, *Predictive Mapping of Indoor Radon Vulnerability in British Columbia, Canada*.
- 4541. Health and Environment IV: Understanding Interactions in a Dynamic World (Sponsored by Cultural and Political Ecology Specialty Group, International Geospatial Health Research Network, Health and Medical Geography Specialty Group, Development Geographies Specialty Group)**  
*Room: New Orleans, Hyatt, West Tower, Gold Level (Paper Session)*  
 ORGANIZER(S): Heidi Hausermann, Rutgers University; Brian King, Pennsylvania State University  
 CHAIR(S): Heidi Hausermann, Rutgers University  
**3:20** Brian King\*, Pennsylvania State University; Margaret S. Winchester, Pennsylvania State University, *HIV/AIDS as social and ecological experience*.  
**3:40** Jessica Finlay, MA\*, University of Minnesota; Thea Franke, University of British Columbia; Heather McKay, University of British Columbia; Joanie Sims-Gould, University of British Columbia, *Therapeutic Landscapes Across the Lifecourse: Healthful Interactions between Older Adults and Blue/Green Space*.  
**4:00** Carly E Nichols\*, University of Arizona - Geography & Regional Development, *Shifting consumptions/shifting perceptions: the political ecology of bodily well-being in the Kumaon Hills, India*.  
**4:20** Jennifer Mokos\*, Vanderbilt University, *"I'm the cleanest hobo I know": The work of hygiene and pollution in the restoration of riverbottom homeless encampments*.  
 Discussant(s): Dawn Biehler, University of Maryland Baltimore County
- 4542. Territory, Politics, Governance Annual Lecture - Bob Jessop**  
*Room: Regency A, Hyatt, West Tower, Gold Level (Panel Session)*  
 ORGANIZER(S): Sally Hardy, Regional Studies Association  
 CHAIR(S): Walter J. Nicholls, Sociology, University of Amsterdam  
 Discussant(s): John Harrison, Loughborough University  
 Panelists: Bob Jessop, Lancaster University
- 4543. Co-Producing a heuristic conceptualization of curation (2)**  
*Room: Regency B, Hyatt, West Tower, Gold Level (Panel Session)*  
 ORGANIZER(S): Brian J. Hracs, University of Southampton; Harriet Hawkins; Melanie Fasche, University of Toronto  
 CHAIR(S): Brian J. Hracs, University of Southampton  
 Discussant(s): Richard Baxter, Queen Mary University of London  
 Panelists: Atle Hauge, Eastern Norway Research Institute; Sue Potts, Institute of Cultural Capital; Adelheid Mers; Jeffrey S. Boggs, Brock University; Gwen Macgregor, U of T; Pacey Foster, University of Massachusetts Boston; Josephine V. Rekers, Lund University; Karenjit Clare, Loughborough University
- 4544. OpenStreetMap Studies 2**  
*Room: Regency C, Hyatt, West Tower, Gold Level (Paper Session)*  
 ORGANIZER(S): Alan McConchie, University of British Columbia; Muki Haklay, University College London  
 CHAIR(S): Muki Haklay, University College London  
**3:20** Martin Loidl\*, Department of Geoinformatics, University of Salzburg, *An intrinsic approach for the detection and correction of attributive inconsistencies and semantic heterogeneity in OSM data*.  
**3:40** Claudia Marcela Uberhuaga Candia\*, 90082001, *Mapping Bolivia, initiating the opening of open geoinformation*.  
**4:00** Peter A. Johnson\*, University of Waterloo, *Challenges and Constraints to Municipal Government Adoption of OpenStreetMap*.  
**4:20** Muki Haklay\*, University College London, *COST Energic - A European Network for research of VGI: the role of OSM/VGI/Citizen Science definitions*.  
 Discussant(s): Alan McConchie, University of British Columbia
- 4545. Socio-Environmental Justice and Unjust Sustainability in Urban China II (Sponsored by China Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group)**  
*Room: Regency D, Hyatt, West Tower, Gold Level (Panel Session)*  
 ORGANIZER(S): Guo Chen, Michigan State University; Jia Ching Chen, Brown University; Xiaoling Zhang  
 CHAIR(S): Jia Ching Chen, Brown University  
 Discussant(s): Kenneth Pomeranz, The University of Chicago  
 Panelists: Xiaoling Zhang; Guo Chen, Michigan State University; Shih-Yang Kao, The University of Hong Kong; Max D. Woodworth, The Ohio State University; Jia Ching Chen, Brown University
- 4546. Issues in Environmental and Land Use Changes in China (Sponsored by China Specialty Group)**  
*Room: San Francisco, Hyatt, West Tower, Gold Level (Paper Session)*  
 ORGANIZER(S): David W. Edgington, University of British Columbia  
 CHAIR(S): Fengxia WANG  
**3:20** Xu Wang\*, *Land use changes in land subsidence area of Su-xi-chang area during 1984-2013, China*.  
**3:40** Xiaoxiang Zhang\*, Hohai University, Nanjing, China; Renrong Jiang, Shenzhen Urban Planning and Land Resource Research Center, Shenzhen, China; Jing Yao, Urban Big Data Centre, University of Glasgow, UK, *Spatial Optimization to Support Sustainable Land Use Planning: A Case Study of Shenzhen, China*.  
**4:00** Lucas Ysidro Reyes\*, *The Dawn of the Greenhouse on Rural Tibetan Landscapes*.  
**4:20** Fengxia WANG\*, Antònia Casellas\*, Universitat Autònoma

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de Barcelona; Grant Saff\*, Hofstra University,  
*Investigating the relationship between Tourism and  
Land Use Change in Haikou, China, 2006-2014.*

**4547. Land Systems Science: Meet the Journal Editors**

*Room:* Toronto, Hyatt, West Tower, Gold Level (Panel Session)  
ORGANIZER(S): Andrew Millington, Flinders University  
CHAIR(S): Richard J. Aspinall  
Panelists: Darla Munroe, Ohio State University; Andrew  
Millington, Flinders University

**4548. Local Spatial Analysis I (Sponsored by Spatial Analysis and Modeling Specialty Group)**

*Room:* Crystal A, Hyatt, West Tower, Green Level (Paper Session)  
ORGANIZER(S): Luc Anselin, Arizona State University;  
Alexander Stewart Fotheringham, Arizona State  
University  
CHAIR(S): Luc Anselin, Arizona State University  
Introducer: Luc Anselin  
**3:20** Arthur Getis, Emeritus Professor\*, San Diego State  
University, *CHaOS: Dissecting Spatial Variance.*  
**3:40** Alexander Stewart Fotheringham\*, Arizona State  
University, *Big Models.*  
**4:00** Daniel A. Griffith\*, U. of Texas at Dallas; Parmanand  
Sinha, University of Texas at Dallas, *Spatial  
Autocorrelation and the Solution to the P-Median  
Problem.*  
**4:20** Levi John Wolf\*, Arizona State University, *Improving  
Spatial Methods for Gerrymandering Analysis.*  
**4:40** JING YAO\*, University of Glasgow; Stewart Fotheringham,  
Arizona State University, *A Framework for  
Geographically Weighted Analysis and a Supporting  
Python Library - PyGWA.*

**4550. Discourse, Disaster, and the Urban Hazardscape I**

*Room:* Crystal C, Hyatt, West Tower, Green Level (Paper Session)  
ORGANIZER(S): Esther Kim; Erin C. Bergren, University of  
California, Berkeley  
CHAIR(S): Erin C. Bergren, University of California, Berkeley  
**3:20** April L. Colette\*, University of Illinois at Urbana-  
Champaign, *The Multi-Paradoxical Risk Dialectic:  
Floods, Infrastructure and the Quest to Control Nature.*  
**3:40** Nate Millington\*, University of Kentucky, *Fluvial  
Urbanism in a City of Floods: Urban design and the  
Politics of Permeability in São Paulo, Brazil.*  
**4:00** Kristian Karlo Saguin\*, University of the Philippines,  
*Urban hazardscapes beyond the city: the urban  
production of risk in Laguna Lake, Philippines.*  
**4:20** Y. Victor Wang\*, University of Illinois; Hans M. Louis-  
Charles, University of Delaware, *The Disaster  
Marathon of August 3rd Ludian Earthquake in Yunnan,  
China.*  
Discussant(s): Gregory Simon, University of Colorado Denver

**4551. Geography at a Distance: Best Practices in Teaching a Lower Division Introductory Course Online (Sponsored by Geography Education Specialty Group, Community College Affinity Group, Geography and Online Education Theme)**

*Room:* Stetson A, Hyatt, West Tower, Purple Level (Panel Session)  
ORGANIZER(S): Sarah Goggin, Cypress College  
CHAIR(S): Sarah Goggin, Cypress College  
Panelists: Jonathan M. Harbor, Purdue University; Margaret  
Kaluzny, College of San Mateo; James A. Brey,  
American Meteorological Society; Kristin Sorensen,  
University of Nebraska - Lincoln; Diane O'Connell,  
Schoolcraft College

**4552. Agricultural Labour and the Food Movement: Perspectives and Politics 1 (Sponsored by Socialist and Critical Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Michael Ekers, University of Toronto,  
Scarborough; Charles Z. Levkoe, Wilfrid Laurier  
University

CHAIR(S): Charles Z. Levkoe, Wilfrid Laurier University

**3:20** Sandy Brown\*, University of San Francisco; Julie  
Guthman, University of California, Santa Cruz, *"I'll  
never buy strawberries again": Consumer anxiety  
and the biopolitics of soil fumigant regulation in  
California's strawberry industry.*  
**3:40** Joann Lo\*, Food Chain Workers Alliance, *Social Justice for  
Food Workers in a Foodie World.*  
**4:00** Emily Reid-Musson\*, University of Toronto, *Violent  
propinquities in Ontario's agricultural workplaces.*  
Discussant(s): Michael Ekers, University of Toronto, Scarborough

**4553. Intra-urban Dynamics II: Land Use and Urban Morphology (Sponsored by Regional Development and Planning Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Kevin Kane, Arizona State University;  
Elizabeth Delmelle, University of North Carolina at  
Charlotte  
CHAIR(S): Kevin Kane, Arizona State University  
**3:20** Jonathan Schroeder\*, Minnesota Population Center,  
*Refining and assessing block-based 2000 estimates for  
2010 census areas.*  
**3:40** Rebecca J. Walter\*, The University of Texas at San  
Antonio; Hilton A. Cordoba, University of Louisiana at  
Lafayette, *Historical Perspectives on the Relationship  
Between Inequality and Urban Morphology in San  
Antonio, Texas.*  
**4:00** George D Hallowell, PhD\*, North Carolina State  
University, College of Design; Perver K Baran, PhD,  
North Carolina State University, College of Natural  
Resources, *A Time-Series Approach to Measuring  
Change in Urban Form, Space, and Structure.*  
**4:20** Michael Kuby\*, Arizona State University; Aaron Golub,  
PhD, Arizona State University; Shawn Monk, Arizona  
State University; Matthew Messina, Arizona State  
University, *Bicycle Network Connectivity Analysis for  
the Phoenix Metro Area.*  
**4:40** Kevin Kane\*, Arizona State University; Abigail M York,  
Arizona State University, *Hazards of change: A  
survival analysis approach toward the development of  
agricultural land in Arizona.*

**4554. Affective Ecologies, Living Economies and Alternate Ways of Valuing Nature: Session II (Affective Ecologies and Diverse Economies) (Sponsored by Cultural and Political Ecology Specialty Group)**

*Room:* Stetson E, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Neera Singh, University of Toronto; Katja  
Grotzner Neves, Concordia University; Mamta  
Vardhan, University of Alberta  
CHAIR(S): Kathleen McAfee, San Francisco State University  
**3:20** Elizabeth N. Shapiro-Garza\*, Duke University, *Nature's  
Embedded Economies: Alternative Discourses of  
Payments for Ecosystem Services.*  
**3:40** Mamta Vardhan\*, University of Alberta; John Kerr, Dr.,  
Michigan State University; Rohit Jindal, Dr., Grant  
MacEwan University, *Examining rationality and affect  
in conservation: Evidence from field experiments in  
Tanzania.*  
**4:00** Heidi E. Mehl\*, Kansas State University; Cynthia A.  
Annett, Ph.D., University of Alaska, Anchorage; Alta  
De Vos, Ph.D., Rhodes University, Cape Town, South  
Africa, *Cultural Ecosystem Services: Where do they fit  
in ecosystem service monetization?.*  
**4:20** Jessica Pouchet\*, Northwestern University, *The Value of  
Conservation and Meanings of the Forest: Examining  
Debates in a Biodiversity Hotspot in Tanzania.*



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Discussant(s): James Igoe, University of Virginia

**4555. Sustainable Transportation and Urban Growth: Challenges and Prospects for the 21st Century II (Sponsored by Urban Geography Specialty Group, Geomorphology Specialty Group, Transportation Geography Specialty Group)**

**Room:** Stetson F, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Dylan Coolbaugh, University of North Carolina - Greensboro; Xuan Zhang, University of Georgia  
 CHAIR(S): Dylan Coolbaugh, University of North Carolina - Greensboro

**3:20** Christopher Dunn\*, Pennsylvania State University, *A Quantitative Assessment of the Safety of the Bicycle Infrastructure of Portland, Maine.*

**3:40** Amalia Dache-Gerbino\*, University of Missouri - Columbia, *Public transportation signage as a college (in)access factor: Criminalization of bus riders from college desert areas.*

**4:00** Dristi Neog\*, Westfield State University - Westfield, MA, *The Dream of Sustainable Transportation: Public Transit in a Non-Traditional Market.*

**4:20** Weiye Xiao\*, Yehua Dennis Wei; Ran Wei, *Neighborhood walking and physical activity in SLC.*

**4:40** Xuan Zhang\*, University of Georgia, *Spatial Analysis of Walkability: a Case Study of Walk Score in Atlanta.*

**4556. Global Urban Observation (IV): Monitoring Urban Heat Islands and Modeling Climate Change (Sponsored by Remote Sensing Specialty Group)**

**Room:** Stetson G, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Qihao Weng, Indiana State University  
 CHAIR(S): James Campbell, Virginia Tech  
**3:20** Brent C. Hedquist, Ph.D.\*, Texas A&M University-Kingsville; Haibin Su, Ph.D., Texas A&M University-Kingsville; Daniella Herrera, Texas A&M University-Kingsville; Jacob Byerly, Texas A&M University-Kingsville, *Remote Sensing Image-Based Analysis of The Relationship Between The Urban Heat Island And Recent Land Use/Cover Change In San Antonio, Texas.*

**3:40** Wenhui Kuang\*, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Wenfeng Chi, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Yinyin Dou, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, *Urban expansion and the effects on heat island.*

**4:00** Jixuan Cai\*, The Chinese University of Hong Kong; Bo Huang, The Chinese University of Hong Kong, *Estimation of spatio-temporal anthropogenic heat discharge using remote sensing image and meteorological data.*

**4:20** Tammy E. Parece, PhD Candidate, Geography, Virginia Tech; James B. Campbell, Professor\*, Geography, Virginia Tech; Jie Li, Assistant Professor, Statistics, Virginia Tech; David F. Carroll, Instructor, Meteorology, *Using Mobile and Fixed Stations to Observe Spatial and Temporal Variations In Roanoke Virginia's Urban Heat Island.*

**4557. Lands in Sight - Exploring New and Emergent Indigenous Landscapes: Session 2 "Policy, urbanity and citizenship" (Sponsored by Indigenous Peoples Specialty Group)**

**Room:** Addams, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Caroline Desbiens, Université Laval; Bastien Sepúlveda  
 CHAIR(S): Bastien Sepúlveda

**3:20** Serge A. Marek, Ph.D.\*, Hawaii Pacific University - Honolulu, HI, *Indigenous Urban Place-Making In Honolulu, Hawaii and Auckland, Aotearoa.*

**3:40** Nathalie Jeanne Kermaol, Dr.\*, University of Alberta,

*Contested territories: The Urban Indigenous Landscape of Edmonton, Alberta in the 1970s.*

**4:00** Ioana Comat\*, Réseau DIALOG / INRS-UCS, *Aboriginal and Diasporic: An Impossible Predisposition? When Urban Aboriginal Institutions discourses enlighten theoretical debates..*

**4:20** Caroline Desbiens\*, Université Laval; Carole Lévesque, INRS - Centre Urbanisation Culture Société; Bastien Sepúlveda, ICIS - Pontificia Universidad Católica de Chile, *Return to Hochelaga : Exploring New Cultural Geographies of Indigeneity in Quebec, Canada.*

**4558. Cities of Tomorrow: In Honor of Peter Hall I**

**Room:** Burnham, Hyatt, West Tower, Silver Level (Panel Session)  
 ORGANIZER(S): Erica Schoenberger, Johns Hopkins University  
 CHAIR(S): Erica Schoenberger, Johns Hopkins University  
 Panelists: Richard A. Walker, University of California-Berkeley; Yuko Aoyama, Clark University; Helga Leitner, University of California, Los Angeles; Marc A. Weiss, Global Urban Development; Michael Teitz, University of California, Berkeley

**4559. AAG's J. Warren Nystrom Award Session II**

**Room:** Dusable, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): AAG  
 CHAIR(S): Sarah Elwood, University of Washington  
**3:20** Connie Johnston\*, University of Oregon, *The Political Science of Farm Animal Welfare in the US and EU.*  
**3:40** Sarah Praskievicz, Ph.D.\*, University of Alabama, *A Coupled Hierarchical Modeling Approach to Simulating the Geomorphic Response of Rivers to Anthropogenic Climate Change.*  
 Discussant(s): Eric D. Carter, Macalester College; Robert W. Lake, Rutgers University; Melissa R. Gilbert, Temple University

**4560. Fast/Slow States: Time-Space, Technology, and Water Governance II (Sponsored by Cultural and Political Ecology Specialty Group, Water Resources Specialty Group)**

**Room:** Field, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Eric P Perramond, Colorado College  
 CHAIR(S): Wendy Elizabeth Jepson, Texas A&M University  
**3:20** Emma S. Norman\*, Northwest Indian College, *Fixity, Flow, and (In)Justice: Reframing the governance of global pollutants and restoring Indigenous lifeways.*  
**3:40** Adam Mandelman\*, University of Wisconsin - Madison, *The "Eventfulness" of Dredgers: Time, Infrastructure, and Land Loss in Louisiana's Coastal Wetlands.*  
**4:00** Wendy Elizabeth Jepson\*, Texas A&M University, *Technology and Time in Water Governance.*  
**4:20** Eric Perramond\*, Colorado College, *A Slow, Metered State: Water in New Mexico.*  
 Discussant(s): Tom Perreault, Syracuse University

**4561. Harder, Faster, Deeper, Stronger: Ecological Restructuring and the Primary Sector (Sponsored by Rural Geography Specialty Group, Energy and Environment Specialty Group)**

**Room:** Horner, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Beatriz Bustos, Universidad de Chile; Gavin Bridge, Durham University  
 CHAIR(S): Beatriz Bustos, Universidad de Chile  
**3:20** Beatriz Bustos\*, Universidad de Chile, *Salmon life cycle through the ISA crisis: biology and capital change each other..*  
**3:40** Elizabeth Havice\*, University of North Carolina-Chapel Hill; Liam Campling, Lecturer, Queen Mary University of London, *Corporate Control and Environmental Governance.*  
**4:00** Daniel Banoub\*, University of Manchester, *(Re)making fish: capital and nature in Newfoundland and Labrador's cod fishery.*  
**4:20** Richard Vercoe\*, University of Georgia, PhD student,



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*Value-Added: Creating 'conservation-value' in threatened heritage agroecological systems.*

- 4:40** Warwick E Murray, PhD\*, Victoria University of Wellington, *Ethical wine: Fair trade and organic wine production in Latin America and New Zealand.*

**4562. High-impact weather events and their climatologies (Sponsored by Climate Specialty Group)**

- Room:* McCormick, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Renee McPherson, University of Oklahoma  
 CHAIR(S): Renee McPherson, University of Oklahoma  
**3:20** Joel Finnis\*, Memorial University of Newfoundland, *Extreme winter warmings in Labrador, Canada: A point process approach to winter thaw analysis.*  
**3:40** Peng Gao, Ph. D\*, Department of Geography, University of South Carolina; Greg J Carbone, Ph. D, Department of Geography, University of South Carolina, *NARCCAP Model Comparison of Extreme Rainfall Intensity in the Continental United States.*  
**4:00** Robbie Munroe\*, East Carolina University, *Climatological Relationship between Coastal Storms and Surge at Duck, North Carolina.*  
**4:20** Tyler Fricker\*, Florida State University, *Empirical Estimates of Tornado Kinetic Energy from U.S. Tornadoes (2007-2013).*  
**4:40** Renee A McPherson, Ph.D.\*, University of Oklahoma; William G. McPherson, Jr., University of Oklahoma, *Analysis of High-intensity Rainfall Events Using a High-resolution Observation Network.*

**4563. Changing Landscapes and Livelihoods in the Amazon Basin 4: Land-tenure, conflict and management (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Indigenous Peoples Specialty Group)**

- Room:* Ogden, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Christian Abizaid, University of Toronto; Margaret Buck Holland, University of Maryland - Baltimore County; Lisa Naughton, University of Wisconsin  
 CHAIR(S): Lisa Naughton, University of Wisconsin  
**3:20** Jessica L'Roe\*, University of Wisconsin - Madison; Holly Gibbs, University of Wisconsin - Madison, *Amazon Land Tenure Patterns Pose Challenges for Effective Land Use Regulations.*  
**3:40** Nora L. Alvarez-Berrios\*, University of Puerto Rico - Rio Piedras, *The influence of international gold prices, national mining policy and land tenure on deforestation in the southeastern Peruvian Amazon from 1999 to 2014.*  
**4:00** Mikaela J Weisse\*, University of Wisconsin - Madison, *Buffer zones in the Peruvian Amazon bring conservation benefits despite ambiguous rules and uncertain authority.*  
**4:20** Margaret Buck Holland, PhD\*, University of Maryland - Baltimore County; Kelly W Jones, PhD, Colorado State University; Lisa Naughton-Treves, PhD, University of Wisconsin-Madison; Manuel Morales, ECOLEX, Ecuador; Luis Suárez, Conservación Internacional, Ecuador; Kayla Keelan, MA, USAID; Madeline Hall, University of Otago; Mikaela Weisse, University of Wisconsin-Madison, *Influence of secure property rights and PES on forests and livelihoods: case studies from eastern Ecuador.*  
**4:40** Lisa Naughton, PhD\*, University of Wisconsin, *Participatory zoning at Tambopata National Reserve, Peru. Participants' views on process and long term impact on land use.*

**4564. Political and Regional Disparities in Central Europe (Sponsored by Political Geography Specialty Group, Regional Development and Planning Specialty Group, European**

**Specialty Group)**

- Room:* Wright, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Balázs Forman, Corvinus University of Budapest  
 CHAIR(S): Balázs Forman, Corvinus University of Budapest  
**3:20** Tom Becker\*, University of Luxembourg, *Boosting and mobilizing sustainability: Why European sustainable urban development initiatives are slow to materialize.*  
**3:40** Richard Nikischer\*, Charles University in Prague, *What is 'Europe'? Perceptions of the identity of Europe across 27 European Union countries .*  
**4:00** William Harry Berentsen, Ph.D.\*, Department of Geography, University of Connecticut, *Geographical Impacts in Eastern Germany from German Unification.*  
**4:20** Nadine Oliver\*, University of Toronto, *The Post-Communist Urban Landscape of Bucharest, Romania.*  
**4:40** Miroslav Sifta\*, Charles University in Prague (Czechia), Faculty of Science, *The Importance of Graphical Symbols in the Region Formation Process: the Case of Recolonized Region in Czechia.*

**4565. Hazards Education and Outreach (Sponsored by Hazards, Risks, and Disasters Specialty Group)**

- Room:* Michigan A, Hyatt, East Tower, Ped Path (Paper Session)  
 ORGANIZER(S): Kathleen Sherman-Morris, Mississippi State University  
 CHAIR(S): Kathleen Sherman-Morris, Mississippi State University  
**3:20** Melissa CK Phillips\*, Kent State University, *Lightning and Hurricane Safety Knowledge and the Effects of Education Modes on Elementary School Children.*  
**3:40** Brenton M. Yarnal\*, Pennsylvania State University; David P. Retchless, The Pennsylvania State University, *Engaged Scholarship and Natural Hazards.*  
**4:00** Denise Blanchard, Ph.D.\*, Texas State University, *Individual and Community-based Hazards Education: Applying Elements of Rogers', Diffusion of Innovation Theory, and Principles from Mass Communication Process Theory..*  
**4:20** Laxmi Ramasubramanian\*, Hunter College, *Complexities of Undertaking University-Community Partnerships to Promote Urban Sustainability.*  
**4:40** Kathleen Sherman-Morris, PhD\*, Mississippi State University, *Hazards-Based Outreach for Teachers and Middle School Students.*

**4566. Disastrous Political Ecologies II: Critical Perspectives on Disaster (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Development Geographies Specialty Group)**

- Room:* Michigan B, Hyatt, East Tower, Ped Path (Paper Session)  
 ORGANIZER(S): Keith Lindner; Mitul Baruah  
 CHAIR(S): Mitul Baruah  
**3:20** Kenneth Cardenas\*, York University, *Blasting the slums, building back better: Urban revanchism and disaster risk management in Manila.*  
**3:40** Stian Rice\*, Kent State University, *Putting the natural ("disaster") back in famine: Madagascar, 1925-1930.*  
**4:00** Keith Lindner\*, SUNY ESF, *Riding Out the Storm: Neoliberal Biopolitics and Hurricane Sandy.*  
**4:20** Jennifer Leigh Lawrence\*, Virginia Tech, *Regulation, Reconstitution, and Routinization: The Biopolitics of Environmental Disaster.*  
 Discussant(s): Elvin Delgado, Central Washington University

**4567. Supporting women in Remote Sensing and GIS (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, AAG Jobs and Careers Theme, Geographic Perspectives on Women Specialty Group)**

- Room:* Michigan C, Hyatt, East Tower, Ped Path (Panel Session)  
 ORGANIZER(S): Timothy Warner, West Virginia University; Michaela Buenemann, New Mexico State University

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CHAIR(S): Michaela Buenemann, New Mexico State University  
 Panelists: Elizabeth A. Wentz, Arizona State University;  
 Lindsay Deel, West Virginia University; Daoqin  
 Tong, University of Arizona - Geography & Regional  
 Development; Jane Southworth, University of Florida;  
 Christopher D. Lippitt, University of New Mexico;  
 Beth Mitchneck, University of Arizona

## 4568. Social movements and urban planning: The learning gap-2 (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group)

Room: Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Tuna Tasan-Kok, TUDelft; Basak Demires  
 Ozkul, Istanbul Technical University Department of  
 Urban and Regional Planning; Ayda Eraydin, Middle  
 East Technical University  
 CHAIR(S): Basak Demires Ozkul, Istanbul Technical University  
 Department of Urban and Regional Planning  
 Introducer: Ayda Eraydin

3:25 Ayda Eraydin\*, Middle East Technical University; Esin  
 Ozdemir\*, Delft University of Technology, *Struggles  
 for shaping urban planning process: Urban movements  
 of Gülsuyu-Gülensu Neighbourhoods of Istanbul.*

3:40 Güliden Erkut\*, Istanbul Technical University, City and  
 Regional planning Department, *New Power Dynamics  
 and its effect on Planning Regime: A Reding through  
 Urban Restructuring Projects in Istanbul.*

3:55 Basak Demires Ozkul\*, Istanbul Technical University  
 Department of Urban and Regional Planning; Tuna  
 Tasan-Kok, TUDelft, *Towards a more inclusive and  
 resilient planning system in Istanbul: the role of social  
 movements.*

4:10 Semra Akay\*, University of Durham, *Dissent over public  
 space in the case of Gezi Park protests.*

4:25 Deniz Ay, PhD Candidate\*, University of Illinois at Urbana-  
 Champaign; Faranak Miraftab, Professor, University of  
 Illinois at Urbana-Champaign, *Performative Practices  
 of Citizenship: Gezi Park.*

Discussant(s): Basak Demires Ozkul, Istanbul Technical  
 University Department of Urban and Regional  
 Planning

## 4569. Logistics and Power II: Political Geographies of Logistics (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Martin Danyluk, University of Toronto; Kyle  
 Loewen, University of British Columbia  
 CHAIR(S): Martin H. Hess, University of Manchester

3:20 Julian Stenmanns\*, Frankfurt University; Stefan Ouma,  
 Goethe University Frankfurt, *On Territory, Flows, and  
 the Little Things: What African Ports teach us about  
 Global Logistics.*

3:40 Wesley Llewellyn Attewell\*, The University of British  
 Columbia, *The means of war: Counterinsurgency and  
 logistics in the humanitarian present.*

4:00 Richard Nisa\*, Fairleigh Dickinson University, *Logistics of  
 the Encounter: Discourses of Precision, and Military  
 Detention in the Persian Gulf War.*

## 4573. Public Transportation, GIS, and Spatial Analysis (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Lucerne 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Steven Farber, University of Toronto -  
 Scarborough  
 CHAIR(S): Steven Farber, University of Toronto - Scarborough  
 3:20 Liwei Fu\*, University of Utah; Steve Farber, University  
 of Toronto Scarborough, *Dynamic Public Transit  
 Accessibility: Comparing the Effects of Infrastructure  
 (Dis)investments Over Time..*

3:40 Teresa Scassa\*, University of Ottawa; Alexandra Diebel,  
 University of Ottawa, *Open or Closed? Licensing  
 Real-time GPS Data.*

4:00 Minxuan Lan\*, University of Cincinnati; Lin Liu,  
 University of Cincinnati, *Public Transit and the  
 Spatial-temporal Pattern of Robberies in Cincinnati,  
 Ohio.*

4:20 Irene Casas\*, Louisiana Tech University; Elizabeth Cahill  
 Delmelle, University of North Carolina at Charlotte,  
*Tweeting about Public Transit - An alternative public  
 participatory method in a developing country?.*

## 4574. Towards more 'critical' geographies of heritage and its making 3 (Sponsored by Cultural Geography Specialty Group)

Room: Lucerne 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Claudio Minca, Wageningen University;  
 Hamzah Muzaini, Wageningen University  
 CHAIR(S): Claudio Minca, Wageningen University

3:20 Mark Alan Rhodes\*, Kent State University, *'Part of that  
 Land': Memorializing Paul Robeson in the Welsh  
 landscape.*

3:40 Elena Dell'Agnese\*, Università Di Milano-Bicocca;  
 Valeria Pecorelli, Università di Milano-Bicocca;  
 Melissa Moralli, Università degli Studi di Bologna,  
*Questioning the role of gatekeepers.*

4:00 Danielle Drozdowski\*, UNSW, *Stumbling over memory in  
 the streetscape: local and small-scale memory in place,  
 in Berlin..*

4:20 Johan Andersson\*, King's College London, *Dancing with  
 history: heritage and club culture in post-wall Berlin.*

4:40 David Beel\*, University of Aberdeen; Gemma Webster,  
 University of Aberdeen; Hai Nguyen, University of  
 Aberdeen; Claire Wallace, University of Aberdeen,  
*The geographies of community heritage and digital  
 archives in rural Scotland.*

## 4575. Cities and Metropolitan Areas Pursuing Immigrant-Friendly and Welcoming City Initiatives (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Lucerne 3, Swissôtel, Lucerne Level (Panel Session)

ORGANIZER(S): Paul N. McDaniel, American Immigration  
 Council

CHAIR(S): Paul N. McDaniel, American Immigration Council  
 Panelists: Jamie L. Winders, Syracuse University; Jacqueline  
 A. Housel, Sinclair Community College; Pablo Bose,  
 University of Vermont; Owen J. Furuseth, University  
 of North Carolina - Charlotte

## 4576. Coastal and Marine Student Paper Merit Competition III - Social Coast (Sponsored by Coastal and Marine Specialty Group)

Room: Alpine 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Thomas Crawford, Saint Louis University  
 CHAIR(S): Thomas Crawford, Saint Louis University

3:20 Kathryn Davies\*, The University of Auckland; Karen  
 Fisher, PhD, The University of Auckland; Mark  
 Dickson, PhD, The University of Auckland; Simon  
 Thrush, Professor, The University of Auckland;  
 Richard Le Heron, Professor, The University of  
 Auckland, *Coastal ecosystem services in New Zealand:  
 A participatory modeling approach.*

3:40 Melanie Malone\*, Portland State University; Ashlie Denton,  
 Portland State University, *Give and Take: A Social and  
 Biophysical History of Youngs Bay, Oregon.*

4:00 Krista E Jaspers\*, University of Hawaii - Manoa, *Non-  
 regulatory Approaches to Marine Wildlife: The  
 Dolphin SMART Experiment in Hawai'i.*

4:20 Jessica R.Z. Simms\*, Louisiana State University, *Resilience  
 on Louisiana's Gulf Coast: social networks and  
 disturbances.*

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## 4577. **Spatiotemporal Symposium: Environmental Change Modeling (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: *Alpine 2, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Min Sun, George Mason University; Chaowei Yang, George Mason University; Keith C. Clarke, University of California, Santa Barbara

CHAIR(S): Chaowei Yang, George Mason University

**3:20** Minzi Wang\*, Southern Illinois University; Guangxing Wang, Southern Illinois University Carbondale, *Wetland Change Detection and Analysis of the Dongting Lake using multi-temporal images.*

**3:40** Joshua Touyz\*, George Washington University; Tatiyana V. Apanasovich, George Washington University, Washington DC, USA; Dmitry A. Streletskiy, George Washington University, Washington DC, USA, *Spatial-temporal modeling of permafrost active-layer thickness.*

**4:00** Chunyu Dong\*, Heidelberg University; Lucas Menzel, Heidelberg University, *Spatio-temporal analysis of snow cover in Southwestern Germany during 2002-2013 based on MODIS data.*

**4:20** Hongxing Liu\*, University of Cincinnati; Bo Yang, University of Cincinnati; Kenneth Hinkel, University of Cincinnati; Richard Beck, University of Cincinnati, *Change detection for thermokarst lakes in the Arctic Coastal Plain of Alaska using multi-temporal satellite radar images.*

**4:40** Anil Shrestha\*, Northern Illinois University; Wei Luo, Professor, Northern Illinois University, *Spatiotemporal Variation of Nitrate in the Groundwater of High Plains Aquifer using a Geographical Detector Technique.*

## 4578. **Enforcing Borders, Controlling Immigration 4: Policing and institutional spaces of immigration control (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)**

Room: *Zermatt/Gstaad, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Austin Kocher, The Ohio State University, Department of Geography; Andrew David Burridge, University of Exeter; Lauren Martin, University of Oulu

CHAIR(S): Nick Gill, Exeter University

**3:20** Austin Kocher\*, The Ohio State University, Department of Geography, *Badges, Batman, and Baseball Cards: Or, How Sheriffs' Offices Conceptualize Immigration Enforcement in the Nuevo South.*

**3:40** Darshan Vigneswaran, PhD\*, University of Amsterdam, *An Oligopolistic Regime: Immigration Enforcement in South Africa.*

**4:00** Sarah Hughes\*, University of Durham, *Creative practices of resistance: exploring the dynamics of a music workshop within a UK Immigration Removal Centre.*

**4:20** Andrew David Burridge\*, University of Exeter, *"Where is your solicitor?" Unrepresented hearings and uneven geographies of legal aid in UK asylum appeals.*

Discussant(s): Nick Gill, Exeter University

## 4579. **Voices from Global South: Political and Economic Geographies of South Korea and Mexico (Sponsored by Political Geography Specialty Group, Asian Geography Specialty Group, Economic Geography Specialty Group)**

Room: *St. Moritz, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Bae-Gyoon Park, Seoul National University  
CHAIR(S): Hyun Bang Shin, London School of Economics and Political Science

**3:20** SO HYUNG LIM\*, *Places and Territories in Social Movements: Rise and Fall of the Anti-corporatization Movement in Seoul National University, South Korea.*

**3:40** Hyun-Chul Kim\*, Seoul National University, *Sexual*

*dissidence in urban space and its contestation with publicity and territoriality: A Case study on "2014 Seoul/Daegu Queer Parade" in South Korea.*

**4:00** Bae-Gyoon Park, Professor\*, Seoul National University, *Developmental Urbanism, Urban Ideology and the Hegemony of Korean Capitalism: Urban Mega Projects and "Gangnam-ization" of Korean Dreams.*

Discussant(s): Laam Hae, York University

## 4580. **New Media, Gender, and Public Space (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)**

Room: *Grindelwald, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Emily Fekete, University of Kansas; Donald E. Colley, San Diego State University

CHAIR(S): Emily Fekete, University of Kansas

**3:20** Emily Fekete\*, University of Kansas, *Pinterest and the Gendered Geography of the Internet.*

**3:40** Claire Camblain\*, Geneva University, *Gendered Public Spaces: Beyond Essentialized Vulnerability.*

**4:00** Donald E. Colley III\*, San Diego State University, *When is it okay to out a bully? Researching and representing cyber-bullying and violence in online spaces.*

Discussant(s): Donald E. Colley, San Diego State University

## 4581. **Cities and Urban Regions in the Americas 4 (Sponsored by Latin America Specialty Group, Qualitative Research Specialty Group, Development Geographies Specialty Group)**

Room: *Verbier, Swissôtel, Lucerne Level* (Paper Session)

ORGANIZER(S): Betty Elaine Smith, Eastern Illinois University; Joel Outtes, UFRGS-Univ Fed Rio Gde Do Sul

CHAIR(S): Betty Elaine Smith, Eastern Illinois University

**3:20** Gabriel Otero\*, Centre for Social Conflict and Cohesion Studies, *Neighbourhood effects and spatial boundaries.*

**3:40** Pierre Filion\*, School of Planning, University of Waterloo; Markus Moos, School of Planning, University of Waterloo; Robert Walter-Joseph, School of Planning, University of Waterloo, *Young Adult Geographies and Metropolitan Structure in North America.*

**4:00** Mia A Robidoux\*, University of Toronto, *Community Chalkboards for Research and Outreach: A Collaboration with Community Development Associations in Hamilton, ON.*

**4:20** Enrique Pérez-Campuzano\*, Universidad Nacional Autónoma de México; Alejandro Sánchez-Zarate, MenC, Benemérita Universidad Autónoma de Puebla, *Spatial Distribution of Service Sector in Mexico: Localization and Diversity.*

**4:40** Altino Barbosa Caldeira\*, Pontifical Catholic University of Minas Gerais, *Transformations of urban landscapes in Brazil : a spatial analysis.*

**FRIDAY, APRIL 24 • 5:20 PM - 7:00 PM • 4600****4601. Deaf Geographies: Theorising and describing Deaf spaces (Sponsored by Cultural Geography Specialty Group, Disability Specialty Group, Communication Geography Specialty Group)****Room:** Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Mike Gulliver, University of Bristol

CHAIR(S): Mike Gulliver, University of Bristol

**5:20** John David Walker, PG Dip\*, University of Sussex, *'Doing Deaf': Mapping the performative spaces of Brighton and Hove city.***5:40** Laurine Groux-Moreau\*, University of Bristol, *Upstairs and downstairs: a Deaf church's tale.***6:00** Mike Gulliver\*, University of Bristol, *The Agency of Deaf space; Anglicanism, philanthropy and the London Deaf church in the 19th century.***6:20** Mary Beth Kitzel, PhD\*, Rochester Institute of Technology, *A Taxonomy of SLP Spaces: a scalar framework.*

Discussant(s): Austin Kocher, The Ohio State University, Department of Geography

**4602. Economic Development in the Americas III (Sponsored by Graduate Student Affinity Group, Ethnic Geography Specialty Group)****Room:** Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Graciela Sandoval

CHAIR(S): Johannes Rehner, Pontificia Universidad Catolica De Chile

**5:20** Yuri Mansury\*, Cornell University, *Assessing the impact of living wage ordinances: The convergence of planning support systems and social sustainability.***5:40** Michael Husebo\*, University of Georgia, *Migration and the spatial fix in the poultry complex of Northern Georgia.***6:00** Kirsten Martinus\*, The University of Western Australia, *Geographies of Innovation in Peripheral Rural Communities: The Impact of Labour Diversity and Connectivity.***6:20** Johannes Rehner, Dr.\*, Pontificia Universidad Catolica De Chile, *Linking types of capitalism across scales - transpacific trade and local labor effects in Chile.***4605. Geographies of Labour and Development 3 (Sponsored by Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)****Room:** Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Suzanne Mills, McMaster University; Siobhan McGrath, Durham University; Maureen H. Hickey, Portland State University

CHAIR(S): Maureen H. Hickey, Portland State University

**5:20** Suzanne Mills\*, McMaster University, *Building power: the resource development / labour nexus in Northern Canada.***5:40** Jonathan Otto\*, *Scolec' Te and Community Social Relations: The Implications of Working in Carbon Forestry in Chiapas, Mexico.***6:00** Jamey Essex\*, University of Windsor, *Restructuring development expertise and labor in the CIDA-DFAIT merger.***6:20** Sean Patterson\*, Queen's University, *Advocating for Immigrant Workers in Toronto's Industrial Cleaning Industry.***6:40** Siobhan McGrath\*, Durham University, *The labour of development.***4606. Walking as a Way of Knowing (Sponsored by Cultural Geography Specialty Group, Transportation Geography Specialty Group)****Room:** Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR(S): Rebecca A. Sheehan, Oklahoma State University

**5:20** Jenni Kuoppa\*, Aalto University, *Promises of walking in urban planning and everyday life.***5:40** Rebecca A. Sheehan\*, Oklahoma State University; Jennifer Speights-Binet, PhD, Samford University, *New Orleans Neighborhoods's Sidewalks and Streets: Walking, Identity, and Knowing the City.***6:00** Ceri Morgan, BA, MA, PhD\*, Keele University, *Writing, talking and walking Quebec's Eastern Townships.***6:20** Gina Sylvestre, PhD\*, Department of Geography, University of Winnipeg; Hillary Beattie, Department of Geography, University of Winnipeg, *Walking With Video: Exploring Visual Methods to Capture the Experience of Icy Discursive Sidewalks.***4608. Sustainable Cities - Global Examples****Room:** Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Joelle Salomon Cavin, Lausanne university

**5:20** Laurent TERRAL, Université Paris Est Marne la Vallée; Anne Aguilera, Université Paris Est Marne la Vallée; Mariane Thebert\*, Université Paris Est Marne la Vallée, *Sustainability of lifestyles and travel behaviour in French peri-urban municipalities.***5:40** Graeme Sherriff, Dr\*, University of Salford; Will Swan, Dr, University of Salford; Ben Roberts, University of Salford, *A Good Deal from the Green Deal? Occupant Experiences of Retrofit.***6:00** Tansel Erbil\*, Mimar Sinan Fine Arts University, *How (not) to plan Deindustrialization process in a large Metropolitan Area?: Istanbul Case..***6:20** Margaret King, PhD\*, Chicago State University, *Creating Sustainable Cities: The African Experience.***6:40** Joelle Salomon Cavin\*, Lausanne University; Jean Ruegg, Lausanne University, *Toward a positive consciousness of sprawl.***4609. Topics in Agricultural Sustainability****Room:** Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Anne Meltzer

**5:20** Bryan Christopher Runck\*, University of Minnesota; Carissa Schively Slotterback, PhD, University of Minnesota; Nicholas Jordan, PhD, University of Minnesota; David Pitt, PhD, University of Minnesota; David Mulla, PhD, University of Minnesota; Len Kne, MGIS, University of Minnesota; Mike Reichenbach, University of Minnesota - Extension; Amanda Sames, University of Minnesota, *Collaborative Geodesign to Increase Agricultural Sustainability through Multifunctionality.***5:40** Shuang Xu\*, University of Iowa; David Bennett, University of Iowa, *Sustainability optimization and tradeoff analysis in an agricultural system: A case study in Clear-Creek Watershed, Iowa.***6:00** Meri Juntti\*, Middlesex University; Stuart Downward, Kingston University, *The 'Almerian miracle': lessons for a new model of sustainable productivism?.***6:20** Angel David Cruz Baez\*, University of Puerto Rico, *The Model Forest and Food Sovereignty in Puerto Rico: Are they related?.***6:40** Anne Meltzer\*, University of Tennessee, National Geographic Society, *Agricultural Trade in Post-Colonial Context: Commodity reliance and sustainability partnerships.***4610. Political Economy of 'New' India - 03 (Sponsored by Political Geography Specialty Group, Regional Development and Planning Specialty Group, Development Geographies Specialty Group)****Room:** Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Ritika Shrimali, York University; Sudarshana Bordoloi, Saint Cloud State University

CHAIR(S): Ritika Shrimali, York University

**5:20** Sudarshana Bordoloi, PhD\*, Saint Cloud State University,

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MN, *Contradictions of State Initiated Technological Development Processes in the Rural Non-farm Sector in Kerala, India.*

**5:35** Rupinder Minhas\*, *Demystifying Financial Inclusion: Interrogating the Contradictions of 'Jan Dhan Yojana' (People's Wealth Scheme) and Populist Finance.*

**5:50** Heather Plumridge Bedi, PhD\*, Dickinson College, *Contested Land and disparate visions of industrialization in India.*

**6:05** Akif Hasni\*, Queen's University, *The Politics of Nuclear Power Plant Siting and Risk Reduction: The Case of Jaitapur.*

**4611. Cultural Geographies A to Z**

**Room:** Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Rachel Applebaum, Indiana University of Pennsylvania

**5:20** Nathan Burtch\*, University of Maryland Department of Geographical Sciences, *The manifestation of sacred duty: The therapeutic landscape of Seventh-day Adventist hospitals.*

**5:40** Alex R. Colucci\*, Kent State University, *Utopia and Dystopia in Logan's Run: Exploring Contemporary Valuations of Life and Death in American Society.*

**6:00** Jarkko Bamberg\*, Postdoctoral Research Fellow, Institute for Advanced Social Research, University of Tampere, *The Embodied Agency of Runners and Running Shoes.*

**6:20** Rachel S. Applebaum\*, Indiana University of Pennsylvania, *Spatial Manifestation and Trends of Cremation in Pennsylvania.*

**4613. Preparing the Geospatial Technology Workforce (Sponsored by AAG Jobs and Careers Theme)**

**Room:** Columbus AB, Hyatt, East Tower, Gold Level (Paper Session)

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

CHAIR(S): Bill Hodge, GISCI

**5:20** Eric C. Ewert, PhD\*, Weber State University, *Geospatial Employer Survey: Using Results to Build Better Curriculum.*

**5:40** Ann Johnson\*, GeoTech Center, *Spatial Thinking Skills and Competencies - Developing Career Pathways Aligned with Workforce Demands.*

**6:00** Beth Schlemper\*, University of Toledo; Sujata Shetty, University of Toledo; Kevin Czajkowski, University of Toledo; Victoria Stewart, University of Toledo, *Building a Community for Advancing and Broadening Participation in Geospatial Careers.*

**6:20** Jung Eun Hong\*, University of West Georgia, *GIS graduates' employability: A job advertisement analysis of GIS positions.*

**6:40** Bill Hodge, GISP\*, GISCI, *The GISP Exam: An Opportunity for Students and Professionals.*

**4614. Urban Parks & Public Space III (Sponsored by Recreation, Tourism, and Sport Specialty Group, Urban Geography Specialty Group, Health and Medical Geography Specialty Group)**

**Room:** Columbus CD, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Dorothy Ibes, College of William & Mary - Williamsburg, VA

CHAIR(S): Dorothy Ibes, College of William & Mary - Williamsburg, VA

**5:20** Claire Finn\*, Macalester College, *National Park Service Relevancy For The Next Century: An Exploration of the Urban Push.*

**5:40** Melina A Patterson, PhD\*, University of Mary Washington, *Race and Nature in a Southern City: Mapping the Development of Urban Park System.*

**6:00** Nasim Naghavi\*, University of Wilfrid Laurier, *Physical activity by design.*

**6:20** Panu Lehtovuori\*, Tampere University of Technology; Georgiana Varna, University of Glasgow, *The Death and Life of the Public Space Paradigm Towards 21st Century Urbanism.*

**4620. Past and Present Environmental Science of the Neotropics and Beyond (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group)**

**Room:** Grand A, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Timothy Beach, University of Texas at Austin; Sheryl Luzzadder-Beach, University of Texas-Austin

CHAIR(S): Matthew Charles Peros, Bishop's University

Panelists: Timothy Beach, University of Texas at Austin; Sally P. Horn, University of Tennessee; Tripti Bhattacharya; Nicholas P. Dunning, University of Cincinnati; Kenneth R. Young, University of Texas at Austin; Sheryl Luzzadder-Beach, University of Texas-Austin; Edgardo Latrubesse, University of Texas at Austin; Nicholas Brokaw; Anna C. Roosevelt, U Illinois at Chicago

**4621. (De)Sexualisation & (De)Pornification of Space IV: Queerying Sex Work, Sexuality and Public Spaces (Sponsored by Sexuality and Space Specialty Group)**

**Room:** Grand B, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Paul J. Maginn, University of Western Australia; Martin Zebracki, University of Leeds; Emily Cooper, Lancaster University

CHAIR(S): Martin Zebracki, University of Leeds

**5:20** Chen David Misgav\*, Tel-Aviv University, *Gay-Riatric: Spatial Politics and Activism of Elderly Gay Men in Tel-Aviv Gay Center.*

**5:40** Martin Zebracki\*, University of Leeds, United Kingdom, *Virtually Mediated Encounters with 'Pornographic' Public Art.*

**6:00** Victor Minichiello, PhD, La Trobe University; John Scott, PhD, Queensland University of Technology; Denton Callander, PhD\*, University of New South Wales, *Men who sell sex (and risk) online: Using the Internet to examine the sexual practices of male escorts.*

**6:20** Michal Pitonak\*, Charles University in Prague, *Four years of Prague Pride: a celebration, political march or something else?.*

Introducer: Paul J. Maginn

**4622. Politics of Failure II - Strategies**

**Room:** Grand C/D North, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Clancy Wilmott; Sam Hind, University of Warwick

CHAIR(S): Clancy Wilmott

**5:20** Sofia Shwayri\*, Seoul National University, *Failure Meets Urgency: Climate Change and Big Business moving the Ecocity's Goalposts.*

**5:40** Rhys Machold\*, Balsillie School of International Affairs, *Policing/failure: 26/11 and 'politics' of technicality.*

**6:00** Jorge M Goncalves\*, Instituto Superior Tecnico; José Alvaro Antunes Ferreira, Instituto Suoperior Técnico, University of Lisbon, *Dismantling functionalism: Bring the city to the campus of the University of Lisbon, Portugal.*

**6:20** Emma Fraser\*, University of Manchester, *Failed failures: Filling in the hollowed out ruin.*

**6:40** Thomas Jellis\*, University of Oxford, *Impossible failures? Experiments and a philosophy of plenitude.*

**4623. Nationalism, Populism, Fascism (2): Political Challenges (Sponsored by Socialist and Critical Geography Specialty Group)**

**Room:** Grand C/D South, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Gillian Hart, University of California, Berkeley; Stefan Kipfer, York University

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CHAIR(S): Gillian Hart, University of California, Berkeley  
 Discussant(s): Jim Glassman, University of British Columbia;  
 Manu Goswami, New York University  
 Panelists: Kanishka Goonewardena; Parastou Saberi, York  
 University; Stefan Kipfer, York University

## 4624. **Resource Extraction: Fracking, monitoring, and Governance** *Room: Grand E/F, Hyatt, East Tower, Gold Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Brian Okey, Indiana University of Pennsylvania

5:20 Desseræ K. Shepston, PhD\*, University of Illinois,  
 Springfield; S. Andrew Predmore, PhD, Indiana  
 University; Lynette Bowden, University of Illinois  
 Springfield, *Risk Perception Effects on Leasing  
 Decisions for Horizontal Hydraulic Fracturing in  
 Southern Illinois.*

5:40 Shagrila Joshi Wynn\*, The Evergreen State College;  
 Vincci Cheng, *Exploring the applicability of the  
 environmental justice frame to the anti-fracking  
 movement.*

6:00 Sudeshna Ghosh, PhD\*, Indiana University of  
 Pennsylvania, *Boomtowns: Impacts of Fracking-  
 activities on Local Growth and Development in Small  
 Towns of Southwest PA.*

6:20 Alejandra Larrazábal, MSc.\*, Centro de Investigaciones  
 en Geografía Ambiental, UNAM, *Community-based  
 Assessment of Potentials for Mapping, Monitoring and  
 Managing Carbon and related Environmental Services:  
 western central México.*

6:40 Brian W. Okey, Ph.D.\*, Indiana University of Pennsylvania,  
*Marcellus Shale and Municipal Water in a Mosaic of  
 Stresses: The Case of Beaver Run Reservoir.*

## 4625. **Unlocking low carbon mobility**

*Room: Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Panel Session)*

ORGANIZER(S): James Faulconbridge, Lancaster University;  
 Noel Cass; Iain Docherty, University of Glasgow

CHAIR(S): Tim Chatterton, University of the West of England

Introducer: James Faulconbridge

Introducer: Tim Schwanen

Panelists: Harvey J. Miller, The Ohio State University; Katherine  
 Reese, American University; Deborah Salom, Arizona  
 State University; Iain Docherty, University of Glasgow

## 4626. **Vegetation Dynamics V (Sponsored by Biogeography Specialty Group, Mountain Geography Specialty Group)**

*Room: Grand Suite 3, Hyatt, East Tower, Gold Level (Paper Session)*

ORGANIZER(S): Jeremy Johnson, Texas A&M; Parveen Kumar  
 Chhetri, Texas A&M University; J Jesse Minor,  
 University of Arizona

CHAIR(S): J Jesse Minor, University of Arizona

5:20 Matthew Goslin\*, University of Oregon; Patricia  
 McDowell, University of Oregon, *Development of  
 Species Distribution Models for Carex Nudata (Torrent  
 Sedge), a River Ecosystem Engineer Associated with  
 Gradients in Hydrological Variables within River  
 Basins..*

5:40 Shannon R. Mccarragher\*, Northern Illinois University;  
 Michael Konen, Northern Illinois University; Lesley  
 S. Rigg, Northern Illinois University, *The Role of  
 Amur Honeysuckle Encroachment in the White Oak  
 Regeneration and Recruitment Gap: Variations in  
 Soil Dynamic Properties in a Midwest Tall-grass Oak  
 Savanna Restoration at Nachusa Grasslands, Illinois..*

6:00 Chris Larsen\*, University At Buffalo, *Climate oscillations,  
 lake level variations, and alternations between  
 peatland and boreal forest, northern Alberta, 1394 to  
 1988 AD.*

6:20 Andrew Wickhorst, BS\*, University of Arizona; Stephen  
 Yool, PhD, University of Arizona; Donald Falk,  
 PhD, University of Arizona; Michael Crimmins, PhD,  
 University of Arizona, *Space-Time Analysis of Climate*

*Change and Wildfire in Southwestern Montane Forest  
 Ecosystems: A Remote Sensing Case Study of Three  
 Contemporary Wildfires.*

6:40 J Jesse Minor\*, University of Arizona; Don Falk, PhD,  
 University of Arizona, *Fire effects and ecological  
 trajectories following multiple mixed-severity fire  
 events in an Arizona Sky Island.*

## 4627. **CyberGIS Symposium: Geospatial and Spatiotemporal Ontology and Semantics III (Ontologies of Place) (Sponsored by Cyberinfrastructure Specialty Group, Cartography Specialty Group)**

*Room: Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)*

ORGANIZER(S): Gaurav Sinha, Ohio University; Chen-Chieh  
 Feng, Geography, National University of Singapore;  
 Alexandre Sorokine, Oak Ridge National Laboratory

CHAIR(S): Gaurav Sinha, Ohio University

5:20 Song Gao\*, Department of Geography, UC Santa Barbara;  
 Krzysztof Janowicz, Department of Geography, UC  
 Santa Barbara; Michael F Goodchild, Department of  
 Geography, UC Santa Barbara, *Place-Based GIS: The  
 Next Frontier of GIScience Research.*

5:40 Heath Robinson\*, University of Illinois at Urbana-  
 Champaign, *A Documentary Theory of States and  
 Their Existence as Quasi-Abstract Entities.*

6:00 Rob Feick\*, University of Waterloo; Colin Robertson,  
 Wilfrid Laurier University, *Exploring The Emerging  
 "Image of the City" Using VGI.*

Discussant(s): Gaurav Sinha, Ohio University

## 4628. **Coastal hazard management: applications of GIS to decision- making (Sponsored by Coastal and Marine Specialty Group, Hazards, Risks, and Disasters Specialty Group)**

*Room: Plaza A, Hyatt, East Tower, Green Level (Paper Session)*

ORGANIZER(S): Burrell E. Montz, East Carolina University

CHAIR(S): Burrell E. Montz, East Carolina University

5:20 Kevin D. Henry\*, University of Idaho; Tim G. Frazier,  
 Ph.D., University of Idaho; Nathan J Wood, Ph.D.,  
 United States Geological Survey; Raymond J. Dezzani,  
 Ph.D., University of Idaho, *Multi-modal tsunami  
 evacuation modeling of urban islands: Balboa Island,  
 California.*

5:40 Erin Friedman, Doctoral Student\*, Graduate Center, City  
 University of New York; Cory Look, PhD Candidate,  
 Graduate Center, City University of New York; Matt  
 Brown, PhD, Brooklyn College, City University of  
 New York, *Using UAVs to Explore Accurate and  
 Time Efficient GIS Applications for Coastal Hazard  
 Management on Small Island Nations.*

6:00 Thomas Richard Allen, Ph.D.\*, East Carolina University;  
 Burrell Montz, Ph.D., East Carolina University;  
 Michael Flynn, East Carolina University, *Multi-Hazard  
 Evaluation of Vulnerability using GIS along Cape  
 Hatteras National Seashore.*

6:20 Burrell E. Montz\*, East Carolina University; Zachary  
 Oyer, Gulf Coast Energy Resources; Thomas Allen,  
 East Carolina University, *Investigating Inundated  
 Infrastructure: Multi-hazard Vulnerability along the  
 North Carolina Coast.*

6:40 Caroline G Staub\*, University of Florida; Forrest R  
 Stevens, University of Louisville; Peter R Waylen,  
 PhD, University of Florida, *The rain on cane falls  
 mainly on the plain? Modelling monthly rainfall in  
 Mauritius.*

## 4629. **Decision Making in Water Governance (Sponsored by Water Resources Specialty Group)**

*Room: Plaza B, Hyatt, East Tower, Green Level (Paper Session)*

ORGANIZER(S): Kim Ogren, Oregon State University

CHAIR(S): Kim Ogren, Oregon State University

5:20 Kim Ogren\*, Oregon State University, *Linking Process  
 to Outcomes: Lessons in Decision Making from the*

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*Columbia River Treaty Reviews.*

**5:40** Sophia Borgias, M.A. Candidate\*, University of Arizona School of Geography and Development, *"Without water there is no city": Water governance and social mobilization in Chile's Maipo River Basin.*

**6:00** Bizhan Rahnama\*, *Negotiating the Politics of Water Resource Management: Co-governance in the Waikato River catchment.*

**6:20** K. Heather Sinclair\*, Pennsylvania State Department of Geography, *Barriers and bridges to adaptive capacity: A case study on water governance in the middle hills of south central Nepal.*

**6:40** Rachel Craig\*, University of Tennessee, *Using the Analytic Hierarchy Process to Evaluate Progress Toward Watershed Management Objectives.*

**4630. Immigrants, 'illegals,' and guest workers: The geopolitics of low-wage labor II (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group)**

*Room:* Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Laurie Trautman, Western Washington University; Lise Nelson, Penn State University  
CHAIR(S): Lise Nelson, Penn State University

**5:20** Johanna Claire Schuch\*, University of North Carolina - Charlotte, *Socio-spatial Geographies of Hispanic Immigrant Youth Accessing the Urban Labor Market.*

**5:40** Karen Thomas-Brown, PhD\*, University of Michigan-Dearborn, *Narrating the lived experiences of migrant Jamaica teachers in the U.S..*

**6:00** Yolanda Valencia\*, University of Washington, *Leyes Cruelles - Lugares Violentos: Mexican Women's Testimonios Along the Migration Journey.*

**6:20** Léonie S. Newhouse\*, Max Planck Institute for Religious and Ethnic Diversity, *Imagines of opportunity: precarious labor and migrant flows in the shadow of humanitarian urbanism.*

Discussant(s): Jamie L. Winders, Syracuse University

**4631. Perceptual Geographies: Conceptual Issues**

*Room:* Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Program Committee  
CHAIR(S): Dragos Simandan, Brock University

**5:20** Don Jonsson\*, Austin Community College, *Where is the Texas Hill Country?.*

**5:40** Olatunji BABATOLA\*, University; Joyce OMENAI, UNIVERSITY, *Neo-geosophism: Adapting the Wrightian Concept for Analyzing Environmental-perception Development Issues in the Lagging Regions of the World.*

**6:00** Benjamin N. Smith\*, Florida International University, *Arab Playboys?: 'Businessmen' and the Imagination of Gulf Cultural Economies.*

**6:20** Dragos Simandan, Professor\*, Brock University, *Wisdom undone? Quandaries of strategic behavior in competitive landscapes.*

**4632. Food Networks and Politics IV: Food Deserts and the University (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Kathleen Hilimire, Fort Lewis College

**5:20** Billy Hall\*, Florida International University, *Before "food deserts": Reconstructing Overtown's neighborhood food environment from Jim Crow to Urban Renewal in Miami, FL.*

**5:40** Lauren C. Thomas\*, Texas A&M University; Delma Janeth Vazquez\*, Texas A&M University, *Evaluating the University as a Food Desert.*

**6:00** Kelsey Calvez\*, Texas A&M University; Caroline Miller\*, *ArcGIS Evaluations of the University as a Food Desert.*

**6:20** Kathleen Hilimire, Assistant Professor\*, Fort Lewis College, *Theory and practice of an interdisciplinary food systems curriculum.*

**4633. Histories in the Making of Place-in-the-Present III: Histories of Difference in the Transnational Present (Sponsored by GeoHumanities Theme, Cultural Geography Specialty Group, Historical Geography Specialty Group)**

*Room:* Gold Coast, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Sharlene L. Mollett, University of Toronto; Caroline Faria, University of Texas - Austin

CHAIR(S): Kevin Gould, Concordia University

Introducer: Sharlene L. Mollett

**5:24** Kathryn Gillespie\*, University of Washington, *Placing 'Angola': Power, violence and human-animal encounters at the Louisiana State Penitentiary.*

**5:43** Sharlene L. Mollett\*, University of Toronto, *Legal Geographies of Whiteness: Racial disavowal, property rights, and the making of residential tourism in Bocas del Toro, Panama.*

**6:02** Caroline Faria\*, University of Texas - Austin, *A Darling? of the Beauty Trade: Lebanese entrepreneurs, Synthetic hair, and the restyling of East African women.*

**6:21** Stephen Young\*, University of Wisconsin-Madison, *The pulse of the city: Historical geographies of racialized fear and security.*

Discussant(s): Richard H. Schein, University of Kentucky

**4635. Energy Transitions, EEG and Local and Regional Development: III (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**

*Room:* Picasso, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Stuart Dawley, CURDS, Newcastle University; Danny Mackinnon, Newcastle University

CHAIR(S): Danny Mackinnon, Newcastle University

**5:20** Linda Lobao\*, The Ohio State University; Mark Partridge, The Ohio State University; Michael Betz, The Ohio State University; Minyu Zhou, The Ohio State University, *Coal Mining Transitions and Community Impacts across the United States and Appalachian Region in a Neoliberal Era: Implications for the Political Economy of a Just-Transition.*

**5:40** Sally Weller\*, Monash University, *The Politics of Multi-Level Governance: Energy Transition in the Latrobe Valley.*

**6:00** Cedric Brunelle, Ph.D.\*, Memorial University; Ben Spigel, PhD, University of Edinburgh Business School, *Evolution, Entrepreneurship and Lock-in in Resource-Driven Regional Economies.*

**6:20** Eve Vogel, PhD\*, University of Massachusetts - Amherst; Paul Hirt, PhD, History, Arizona State University; Joshua Binus, Bonneville Power Administration and Portland State University, *Uncovering Progressive/Sustainable Political Possibility in Energy System Transitions: The Pacific Northwest Electric System, 1880s-Present.*

**4636. Exploring Cultural and Historic Narratives in the Shaping of Rural Resource Landscapes (Sponsored by Rural Geography Specialty Group, GeoHumanities Theme, Cultural Geography Specialty Group)**

*Room:* Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Kolson Lee Schlosser, Temple University

CHAIR(S): Kolson Lee Schlosser, Temple University

**5:20** Lisa A Emili, PhD\*, The Pennsylvania State University-Altoona College; Joseph Pizarchik, Office of Surface Mining and Reclamation Enforcement, Department of Interior; Carolyn G Mahan, PhD, The Pennsylvania State University-Altoona College, *Remediation of acid mine drainage: the Case of the Flight 93 National*



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## Memorial.

**5:40** Kristina M. Sweet, Candidate, MS in Food Systems\*, University of Vermont, *"We Paint the Picture": Place-making and the Agricultural Landscape in Vermont's Mad River Valley.*

**6:00** Zachary Paul Sugg\*, University of Arizona School of Geography and Development, *Digging deep, and farther away: Rural-urban politics of groundwater control in central Texas.*

**6:20** Chelsea Canon\*, University of Nevada, Reno, *Mining the Past: Using Arrastras as Evidence of Early Mexican Mining Activity in Nevada.*

**6:40** Ryan D. Bergstrom\*, University of Minnesota Duluth; Lisa MB Harrington, PhD, Kansas State University, *The Future of the Last Best Place: Sustaining Greater Yellowstone.*

## 4637. Ethnic Geography Specialty Group Honors Professor Joe Darden (Sponsored by Ethnic Geography Specialty Group)

Room: Wrigley, Hyatt, West Tower, Bronze Level (Panel Session)

ORGANIZER(S): Heike Alberts, University of Wisconsin-Oshkosh; Carlos Teixeira, University of British Columbia Okanagan

CHAIR(S): Heike Alberts, University of Wisconsin-Oshkosh  
Introducer: Heike Alberts

Panelists: Joe T. Darden, Michigan State University; Heather Moody, Michigan State University; Jay Newberry; Carlos Teixeira, University of British Columbia Okanagan; Wei Li, Arizona State University; John Frazier, Binghamton University

## 4638. Healthcare Access and Utilization (Sponsored by International Geospatial Health Research Network)

Room: Acapulco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Mark W. Rosenberg, Queen's University

**5:20** Mark W. Rosenberg\*, Queen's University; Kathi Wilson, University of Toronto Mississauga, *Accessing MRI Services in Ontario, Canada: Where Theory Meets Practice.*

**5:40** Yuxia Huang\*, Texas A&M University - Corpus Christi; PAMELA MEYER, Department of Social Sciences, Texas A&M University; Lei Jin, Department of Mathematics & Statistics, Texas A&M University ? Corpus Christi, *The association between preventable hospitalizations and geographic access to health care for elderly in South Texas.*

**6:00** Gerhart Graupner\*, Graupner Consulting Services; KR Gunther, School of Public Health, Loma Linda University; S Soret, School of Public Health, Loma Linda University; JE Banta, School of Public Health, Loma Linda University, *Spatially explicit analysis of a cluster for emergency room utilization by epilepsy patients in Los Angeles: a spatial link between multiethnic health disparity, psychosocial stress and environmental toxicity.*

**6:20** Jamie Fishman\*, University of Illinois at Urbana-Champaign, *Geospatial Analysis of Preventable Emergency Department Visits in Chicago, IL.*

**6:40** Anastassios Dardas\*, Clark University, *Spatial Analysis of Home Health Care Distribution and Cost in Southern New England.*

## 4639. Geographies of Obesity (Sponsored by International Geospatial Health Research Network)

Room: Atlanta, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Chien Tat Low, The University of Hong Kong

**5:20** Keumseok Peter Koh\*, Michigan State University; Sue Grady, Michigan State University, *Using Simulated*

*Data to Investigate Spatial Patterns of Obesity Prevalence at the Census Tract in Metro Detroit.*

**5:40** Mohammad Abdullah Alnasrallah\*, Kent State University; Jay Lee, Kent State University, *Geographic Disparities of Prevalence of Obesity as a Public Health Issue In Summit County, Ohio.*

**6:00** Chengbin Deng, Ph.D.\*, State University of New York at Binghamton; Jay Lee, Ph.D., Kent State University; Mohammad Al Nasrallah, Kent State University; Xinyue Ye, Ph.D., Kent State University; Florence M. Margai, Ph.D., State University of New York at Binghamton, *Examining socioeconomic and environmental impacts on obesity in Summit county, OH.*

**6:20** Maija Sikiö\*, University of Eastern Finland; Markku Tykkyläinen; Timo Kumpula; Tiina Laatikainen, *Spatial variation of type 2 diabetes in North Karelia Finland.*

**6:40** Chien Tat Low\*, The University of Hong Kong; Poh Chin Lai, The University of Hong Kong, *A multilevel analysis of place effects on body constitution.*

## 4640. Health Issues in Africa (Sponsored by International Geospatial Health Research Network)

Room: Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): John Baiden, University of Education

**5:20** Mouhaman Arabi\*, University of Maroua, Cameroon; Ningchuan Xiao, The Ohio State University, Ohio-USA, *Understanding the spatiotemporal patterns of cholera incidence in the Sahel Zone of Cameroon.*

**5:40** Richard Ohwofasah Djukpen\*, Independent Scholar, GeoSpatial Data Enterprises; Richard Ohwofasah Djukpen, Ph.D., Independent Scholar, GeoSpatial Data Enterprises, *Spatio-temporal Analysis of Infectious Diseases and Healthcare Management in Nigeria.*

**6:00** Diego Cuadros, PhD\*, Weill Cornell Medical College in Qatar; Laith Abu-Raddad, PhD, Weill Cornell Medical College in Qatar, *The geography of HIV infection in sub-Saharan Africa: Valleys, dams and islands.*

**6:20** Joseph Kangmennaang\*, Western University; Lydia Osie, Western University; Paul Mkwandawire, Carleton University; Isaac Luginaah, PhD, Western University, *Circumcision status and time to sexual debut among youth in Sub-Saharan Africa: Evidence from six Demographic and Health Surveys.*

**6:40** John Baiden\*, University of Education, *Examining the association between mother's physical activity and infant fruits and vegetable consumption: Findings from the 2008 Ghana Demographic and Health Survey.*

## 4641. Health and Environment V: A Panel Discussion on Future Directions (Sponsored by Cultural and Political Ecology Specialty Group, International Geospatial Health Research Network, Health and Medical Geography Specialty Group, Development Geographies Specialty Group)

Room: New Orleans, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Heidi Hausermann, Rutgers University; Brian King, Pennsylvania State University

CHAIR(S): Brian King, Pennsylvania State University

Panelists: Brian King, Pennsylvania State University; Heidi Hausermann, Rutgers University; Bilal Butt, University of Michigan; Michael Emch, University of North Carolina at Chapel Hill; Dawn Biehler, University of Maryland Baltimore County; Abigail H. Neely, Dartmouth College

## 4642. Cases, Ethnographies, Comparisons: Theorizing Global Urbanism in/from Latin America

Room: Regency A, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Luisa Sotomayor, University of Toronto;



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Sergio Montero, UC Berkeley  
 CHAIR(S): Sergio Montero, UC Berkeley  
**5:20** Federico Perez\*, Harvard University, *Urbanism and Failure: The Art of Approximation in Bogotá, Colombia.*

**5:40** Sergio Montero\*, UC Berkeley, *Mobilizing the Red Circle: Urban Politics, Public Opinion and Agenda Formation in Practices of Inter-City Policy Learning.*

**6:00** Joshua Shake\*, University of Michigan, *Unlikely bedfellows and the likely possibilities: Participatory institutions and public-private partnerships in redevelopment.*

**6:20** Luisa Sotomayor\*, University of Toronto, *Planning through Spaces of Exception: Orderly Disorder in the Innovative City.*

Discussant(s): Jennifer Robinson, University College London

**4643. Co-Producing a heuristic conceptualization of curation (3)**

*Room:* Regency B, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Brian J. Hracs, University of Southampton; Melanie Fasche, University of Toronto; Harriet Hawkins

CHAIR(S): Melanie Fasche, University of Toronto

Panelists: Johan Jansson, Uppsala University; Mariangela Lavanga, Erasmus University Rotterdam; Elyse Stanes, University of Wollongong; Taylor Brydges, Uppsala University; Nehal El-Hadi, University of Toronto; Lech Suwala, Humboldt Universität zu Berlin, Germany; Gibran Villalobos, JGV / WAR

**4644. Resource Management Issues: International Cases**

*Room:* Regency C, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ricardo Abid CASTILLO, Universidade Estadual de Campinas

**5:20** Jean Yves Merilus\*, University of California - Davis, *Rural development: the economic potential of Haiti's "Lakou" system.*

**5:40** Yoo Soon An\*, Seoul National University; Soojin Park, Prof., Seoul National University, *Modeling and Analysis of Land Degradation in North Korea by Using Multi-Agent System.*

**6:00** Michaela Buenemann, Ph.D.\*, New Mexico State University; Heather Throop, Ph.D., New Mexico State University; David Eldridge, Ph.D., University of New South Wales, *Soil Carbon Pools and their Spatial Variability Along Environmental Gradients in New South Wales, Australia.*

**6:20** Ricardo Abid CASTILLO\*, Universidade Estadual de Campinas, *The recent expansion of sugarcane sector in Brazilian territory: far-reaching consequences for local, regional and national scales.*

**4645. China Geography Specialty Group Plenary Series II: Kenneth Pomeranz, "Land Rights, Water Control, and Community Structure in China's Long-run Development: 1400AD to now" (Sponsored by China Specialty Group, Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group, International Research and Scholarly Exchange Committee)**

*Room:* Regency D, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Guo Chen, Michigan State University

CHAIR(S): Guo Chen, Michigan State University

Discussant(s): Yu Zhou, Vassar College

Panelists: Kenneth Pomeranz, The University of Chicago

**4646. Ask a Census Geographer**

*Room:* San Francisco, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Michael R. Ratcliffe, U.S. Bureau Of the Census

CHAIR(S): Michael R. Ratcliffe, U.S. Bureau Of the Census

Panelists: Michael R. Ratcliffe, U.S. Bureau Of the Census; Doug Geverd; Meghan Smith, U.S. Census Bureau; Tiernan

Erickson, U.S. Bureau Of the Census; Darryl T. Cohen, U.S. Census Bureau; Jennifer L. Holland, US Census Bureau; Trudy Suchan, U.S. Bureau Of the Census

**4647. Emerging Issues in Land Systems Science (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Toronto, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Burak Guneralp, Texas A&M University; Jacqueline Vadjunec, Oklahoma State University; Andrew Millington, Flinders University

CHAIR(S): Nicole Colston, Oklahoma State University

**5:20** Tom Evans\*, Indiana University; Trevor Birkenholtz, University of Illinois; Kelly Caylor, Princeton University; Megan Konar, University of Illinois; Murugesu Sivapalan, University of Illinois; Tara Troy, Lehigh University, *Coupling Land Systems Science and Sociohydrology: Theoretical, Methodological and Policy Challenges and Opportunities.*

**5:40** Richard J Aspinall\*, Independent Scholar, *Land Systems Science?.*

**6:00** Nicole Colston\*, Oklahoma State University; Jacqueline Vadjunec, Oklahoma State University, *Land systems science and the Future Earth: Addressing the communication challenges to global sustainability research.*

**6:20** J. Christopher Brown\*, University of Kansas, *Ethical Considerations in Land Change Science Studies.*

**6:40** Daniel G. Brown\*, University of Michigan, *Opportunities for Bridging Scales in Land Change Modeling.*

**4648. Local Spatial Analysis II (Sponsored by Spatial Analysis and Modeling Specialty Group)**

*Room:* Crystal A, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Luc Anselin, Arizona State University; Alexander Stewart Fotheringham, Arizona State University

CHAIR(S): Alexander Stewart Fotheringham, Arizona State University

**5:20** Serge Rey\*, Arizona State University, *Local indicators of mobility analysis.*

**5:40** Luc Anselin\*, Arizona State University; Sergio J Rey, Arizona State University; Jason Laura, Arizona State University, *Computational Issues in Conditional Permutation Inference for Local Spatial Autocorrelation Statistics.*

**6:00** Guanpeng Dong\*, Sheffield Methods Institute, University of Sheffield, Sheffield; Gwilym Pryce, Sheffield Methods Institute, University of Sheffield, Sheffield; Chris Brunsdon, National Centre for Geocomputation, National University of Ireland Maynooth; Paul Harris, National Centre for Geocomputation, National University of Ireland Maynooth; Martin Charlton, National Centre for Geocomputation, National University of Ireland Maynooth; Richard Harris, School of Geographical Sciences, University of Bristol, *A simulation-based study of Bayesian hierarchical spatial varying coefficient models for areal data.*

**6:20** Moira Conway\*, CUNY Graduate Center, *Vulnerability Modeling of Casinos in the United States: A Case Study of Philadelphia.*

**6:40** Xin Feng\*, Arizona State University; Soe Myint, Arizona State University, *Regression models in explaining the relationships between land cover and surface temperature in an urban heat island.*

**4650. Discourse, Disaster, and the Urban Hazardscape II**

*Room:* Crystal C, Hyatt, West Tower, Green Level (Paper Session)

ORGANIZER(S): Esther Kim; Erin C. Bergren, University of California, Berkeley

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CHAIR(S): Esther Kim

**5:20** Anke Wessels\*, Leuphana University Lueneburg; Gesa Luedecke, University of Colorado, Boulder; Meinfried Striegnitz, Leuphana University Lueneburg, *Sustainable Climate Adaptation in Coastal Protection: Integrating Multiple Values of Scientists and Stakeholders into Decision-Making under Uncertainty.*

**5:40** Zachary Lamb, Doctoral Student\*, Department of Urban Studies and Planning, MIT, *Dots: the origins, evolutions and discourses behind the map that changed post-Katrina recovery in New Orleans.*

**6:00** Erin C. Bergren, PhD Candidate\*, University of California, Berkeley, *The political ecology of buyouts in post-Sandy New York City.*

**6:20** Jonathan Patrick Raikes\*, Western University, *Understanding Development Pathways of Local Responses to Floods: Responses in the City of Vancouver and Maple Ridge, British Columbia.*

Discussant(s): Gregory Simon, University of Colorado Denver

**4651. Geomorphology from Gold to Loess**

Room: Stetson A, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Xiaoyu Lu, University of Tennessee

**5:20** Destiny Allen-Green\*, Western University; Maia R Somers, Western University; Micha Pazner, Dr., Western University, *A Critique of "The Geology of Placer (Gold) Deposits".*

**5:40** Joshua D. Kent, PhD\*, Louisiana State University - Center for GeoInformatics, *Efficacy of cGPS data analysis when assessing deep and shallow subsidence processes in southeast Louisiana.*

**6:00** Chan Woong Kim, Seoul National University; Hyoun A Lee\*, Seoul National University, *Beach Sediment Changes in the Baek-Sa-Jang beach, Korea, 2011-2012.*

**6:20** Jongnam Choi\*, Western Illinois University; Chung-Sun Park, Kyung Hee University; Sangill Hwang, Kyungpook National University; Soon-Ock Yoon, Kyung Hee University, *Influences of the refractive index and absorptive index on results of grain size analysis in loess sediments.*

**6:40** Xiaoyu Lu\*, University of Tennessee; Hongjiang Zhang, Beijing Forestry University, *Amelioration Effect on Soil Properties of Farmland Protection Approaches in Loess Hilly Region.*

**4652. Labor/workers across the food chain: Building collaborations between activists and academics (Sponsored by Rural Geography Specialty Group, Socialist and Critical Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**

Room: Stetson BC, Hyatt, West Tower, Purple Level (Panel Session)

ORGANIZER(S): Charles Z. Levkoe, Wilfrid Laurier University; Nathan McClintock, Portland State University

CHAIR(S): Charles Z. Levkoe, Wilfrid Laurier University

Introducer: Nathan McClintock

Discussant(s): Charles Z. Levkoe, Wilfrid Laurier University

Panelists: Joann Lo, Food Chain Workers Alliance; Amy K Coplen, Portland State University; Aelyse Weiler; Jennifer Gaddis, University of Wisconsin - Madison; Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition; Felipe Matesanz, ROC-Chicago

**4653. Intra-urban Dynamics III: Policy and Governance (Sponsored by Regional Development and Planning Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: Stetson D, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Kevin Kane, Arizona State University; Elizabeth Delmelle, University of North Carolina at Charlotte

CHAIR(S): Lauren Fischer, Columbia University

**5:20** LUIS ESTEVEZ, Assistant Professor\*, St. Cloud State University, *Land Use Regulations and Housing: An Index to Characterize Local Land Use Regulatory Environments for Residential Markets.*

**5:40** Sukanya Krishnamurthy, Dr.\*, Eindhoven University of Technology; Philippa Campsie, University of Toronto and the Neptis Foundation, *How (and how not) to manage urban growth: lessons from two Canadian city-regions..*

**6:00** Friedrich M. Zimmermann\*, University of Graz, *URB@Exp: New forms of urban governance and city development by learning from urban experiments.*

**6:20** Lauren Ames Fischer\*, Columbia University, *Who Pays? Who Benefits? Assessing the Social Equity of Modern Streetcar Projects in U.S. cities.*

**6:40** Christian MONTES\*, Universite De Lyon, *From Council Estates to Skyline Condos: High-Rise Living in London.*

**4654. Affective Ecologies, Living Economies and Alternate Ways of Valuing Nature: Session III (Affective Ecologies and Value) (Sponsored by Cultural and Political Ecology Specialty Group)**

Room: Stetson E, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Neera Singh, University of Toronto; Katja Grotzner Neves, Concordia University; Mamta Vardhan, University of Alberta

CHAIR(S): Mamta Vardhan, University of Alberta

**5:20** Mackenzie Cramblit, PhD Student\*, Duke University, *Deer/lands: Producing Socionatural Value in the Scottish Highlands.*

**5:40** Shaun McKiernan\*, University of Wollongong, *More-than-invasive: (re)valuing ecological belonging through affective entanglements.*

**6:00** Jessica Sarah Robinson\*, University of Chicago, *Connection to the Collection: the value of human and non-human encounters in a Bahamian zoo.*

**6:20** Jeff Robert Baldwin, Ph.D.\*, Sonoma State University, *What ought I eat?: Towards an ethical biospheric political economy.*

**6:40** Neera Singh, PhD\*, University of Toronto, *Affective Ecologies and Rethinking Ways of Valuing Socio-Nature Labor: An Analytical Framework.*

**4655. Innovation Clusters and the Knowledge Economy**

Room: Stetson F, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Pengfei Li

**5:20** Ties Vanthillo\*, Universiteit Antwerpen; Ann Verhetsel, Universiteit Antwerpen; Thierry Vanelslander, Universiteit Antwerpen, *Co-evolution mechanisms in the chemical industry: the case of the Antwerp cluster..*

**5:40** Jae Beum Cho\*, Cornell University, *Social capital and Regional Rates of Entrepreneurship.*

**6:00** Hamidreza Bakhtiarizadeh\*, Simon Fraser University; Alireza Farahani, Clark University, *Can Cluster Development Initiatives Accelerate Inclusive Innovation? Case Studies From Iran Cluster Development Program.*

**6:20** Paola Zamperlin\*, University of Florence, *Foreigner entrepreneurship in Tuscany (Italy).*

**6:40** Pengfei Li\*, University of Toronto, *Family Ties for Knowledge Creation in Developing Economies.*

**4656. Global Urban Observation (V): Remote Sensing of Urban and Suburban Environments (Sponsored by Remote Sensing Specialty Group)**

Room: Stetson G, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Qihao Weng, Indiana State University; Wenliang Li, University of Wisconsin-Milwaukee; Yingbin Deng, u of Wisconsin Milwaukee

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CHAIR(S): George Xian, USGS EROS Data Center

**5:20** Wei Ji, Professor\*, University of Missouri - Kansas City, *Remote Sensing of Urban Wet-Landscapes: Towards a Global Change Perspective.*

**5:40** Wenliang Li\*, University of Wisconsin-Milwaukee; Changshan Wu, University of Wisconsin-Milwaukee, *A geostatistical temporal mixture analysis approach to address endmember variability for estimating regional impervious surface distributions.*

**6:00** Niaz Morshed\*, Texas State University - San Marcos, *Land-use and Land-cover Change in Dhaka City, Bangladesh: A GIS and Remote Sensing Approach.*

**6:20** Yingbin Deng\*, u of Wisconsin Milwaukee, *RNDSI: a Ratio Normalized Difference Soil Index for Remote Sensing of Urban/Suburban Environments.*

**6:40** George Xian\*, USGS EROS Data Center; Collin Homer, USGS EROS Data Center, *Analysis of decadal United States urban land cover change, looking toward development of NLCD 2016.*

## **4657. Low-wage Work in the American City (Sponsored by Economic Geography Specialty Group)**

*Room:* Addams, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Virginia L. Parks, University of Chicago

CHAIR(S): Virginia L. Parks, University of Chicago

**5:20** Virginia Parks, PhD\*, University of Chicago; Sung Geun Park, University of Chicago; Jeanette Park Lee, University of Chicago, *Low-wage Work across U.S. Cities.*

**5:40** T. William Lester\*, University of North Carolina - Chapel Hill, *Raising the Bar: How Local Labor Standards Reshape Employment Practices in the Restaurant Industry.*

**6:00** Marc Doussard\*, University of Illinois at Urbana-Champaign, *Service-Sector Organizing and the Struggle to Define 'Good' Jobs.*

**6:20** Annette Bernhardt\*, University of California - Berkeley, *2014: The Year of the Minimum Wage.*

Discussant(s): Chris Benner, University of California Davis

## **4658. Cities of Tomorrow: In Honor of Peter Hall II**

*Room:* Burnham, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Erica Schoenberger, Johns Hopkins University; Amy Glasmeier, Massachusetts Institute of Technology

CHAIR(S): Erica Schoenberger, Johns Hopkins University

Panelists: Manuel Castells, University of Southern California; Amy Glasmeier, Massachusetts Institute of Technology; Philip Shapira, UNIMAN/Georgia Tech; Michael Storper, London School of Economics; Ann Markusen, University of Minnesota

## **4659. Migrant Networks**

*Room:* Dusable, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Dylan Simone, University of Toronto

**5:20** Guillermo Paredes Orozco, MA\*, Ohio State University, *Immigrant Selectivity from Rural and Urban Areas of Mexico to the United States: The Different Roles of Migrant Networks.*

**5:40** Judit Timar\*, Centre for Economic and Regional Studies, Hungarian Academy of Sciences; Gabor Velkey, Center for Economic and Regional Studies, Hungarian Academy of Sciences, *Whose Political Economic Approach? The View of Rurality in the Migration Decision of Young Women and Men in a Backward Region of Hungary.*

**6:00** Eva Janska\*, Charles University, Prague, *Remittance Regularities within the context of integration: Ukrainian migrants in Prague.*

**6:20** Siobhán McPhee, Dr.\*, University of British Columbia, *The integration of the kafala system into Dubai's*

*institutional organization of the immigrant labour market.*

**6:40** Dylan Simone\*, University of Toronto, *Household Indebtedness and Socio-Spatial Polarization among Immigrant and Visible Minority Neighbourhoods in Canada's Global Cities.*

## **4660. Fast/Slow States: Time-Space, Technology, and Water Governance III (Sponsored by Cultural and Political Ecology Specialty Group, Water Resources Specialty Group)**

*Room:* Field, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Eric P Perramond, Colorado College

CHAIR(S): Eric P Perramond, Colorado College

Discussant(s): Rebecca Lave, Indiana University

Panelists: Wendy Elizabeth Jepson, Texas A&M University; Katie Meehan, University of Oregon; Kathryn Furlong, Université De Montréal; Eric P Perramond, Colorado College

## **4661. Harder, Faster, Deeper, Stronger: Ecological Restructuring and the Primary Sector 2 (Sponsored by Rural Geography Specialty Group, Energy and Environment Specialty Group)**

*Room:* Horner, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Gavin Bridge, Durham University; Beatriz Bustos, Universidad de Chile

CHAIR(S): Gavin Bridge, Durham University

**5:20** Julie Ann De Los Reyes\*, University of Manchester, *Financialising gold extraction: The (in)compatibilities of high finance and the primary sector.*

**5:40** Mark H Cooper\*, University of Wisconsin-Madison, *Open up and say "baa": examining the stomachs of ruminant livestock and the real subsumption of nature.*

**6:00** Elvin Delgado\*, Central Washington University, *Making Nature Work Harder: Obstacles and Opportunities in the Production of Solar Salt.*

**6:20** Grasian Mkodzongi, Dr\*, University of Cape Town, *Platinum, Gold and Agrarian Change in Zimbabwe: New livelihoods and 'accumulation from below' after the Fast Track Land Reform Programme (FTLRP) ..*

**6:40** Elisa Arond\*, Clark University, *Beyond the Resource Curse? Linking Natural Resource Extraction to Science, Technology and Innovation in Colombia.*

## **4662. Tenure: Supporting Women in Geography Across the Sub-disciplines, 3rd Annual Panel (Sponsored by AAG Jobs and Careers Theme, Geographic Perspectives on Women Specialty Group, Climate Specialty Group, Graduate Student Affinity Group)**

*Room:* McCormick, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Adrienne Tucker; Amanda Young, Penn State University

CHAIR(S): Adrienne Tucker

Panelists: Jim Kernan, SUNY Geneseo; Elizabeth Mack, Arizona State University; Anna Versluis, Gustavus Adolphus College; Vincent J. Del Casino, University of Arizona; Julie Winkler, Michigan State University

## **4663. Changing Landscapes and Livelihoods in the Amazon Basin 5: Development, agrobiodiversity and infectious disease (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Development Geographies Specialty Group)**

*Room:* Ogden, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Christian Abizaid, University of Toronto;

David S. Salisbury, University of Richmond

CHAIR(S): Carlos F. Mena, Universidad San Francisco de Quito

**5:20** Samuel C. Schramski\*, Federal University of Amazonas, *Root Causes: The Relationships Between Agrobiodiversity and Social Networks in the Brazilian Amazon.*

**5:40** Peter Richards\*, Brown University; Heitor Pellegrina, Brown University; Leah VanWey, Brown University; Stephanie Spera, Brown University, *Soybean*

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*Development: how a past decade of agricultural change in Mato Grosso has led to new urban investments, growth and economic change.*

**6:00** Aline Angotti Carrara\*, University of Wisconsin - Madison, *Response of the Cattle Sector to Zero-Deforestation agreements in Mato Grosso State, Brazil.*

**6:20** Carlos F. Mena\*, Universidad San Francisco de Quito; Francesco Pizzitutti, Dr., Universidad San Francisco de Quito, *Demography, Land Use, Climate and Infections in Western Amazonia through Social Simulation.*

**4665. The Production of Uneven Social Vulnerability (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group)**

*Room:* Michigan A, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Dean Hardy, University of Georgia; Emily Eisenhauer, University of Miami

CHAIR(S): Dean Hardy, University of Georgia

**5:20** Maria Vinogradova, BA, MSc DIC\*, King's College London; Maria Vinograd, King's College London, *The Profile of the UK Flood Casualty and its Influence on Understandings of Vulnerability.*

**5:40** Anita Milman\*, University of Massachusetts, *Erosion, Land and the Public Trust: Social Production of Vulnerability to Riverine Floods in New England.*

**6:00** Emily Eisenhauer\*, University of Miami, *Vulnerability in Adaptation to Sea Level Rise.*

Discussant(s): Timothy W. Collins, University of Texas - El Paso

**4666. Disastrous Political Ecologies III: Critical Perspectives on Disaster (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Development Geographies Specialty Group)**

*Room:* Michigan B, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Keith Lindner; Mitul Baruah

CHAIR(S): Keith Lindner

**5:20** Sharon Moran\*, State University of New York - Env. Science and Forestry, Syracuse, NY, *Methodological Innovation in Post-Disaster Research: Engaging Narratives.*

**5:40** Mitul Baruah, Doctoral Candidate\*, Department of Geography, Syracuse University, *(Re)producing while Preventing: Disastrous Geographies in India's Northeast and the Question of the State.*

**6:00** Rajyashree N Reddy\*, University of Toronto, *Remembering the Bhopal Disaster.*

**6:20** Daniel Grant\*, University of Wisconsin-Madison, *Boom and Bust in the Flatland: Flood, Drought, and Adaptation in California's Central Valley, 1987-2000.*

Discussant(s): Kevin St. Martin, Rutgers University

**4667. Pan-American Partnerships: Working with Higher Education Institutions in Latin America to enrich Research and Education (Sponsored by Latin America Specialty Group, Applied Geography Specialty Group, Graduate Student Affinity Group)**

*Room:* Michigan C, Hyatt, East Tower, Ped Path (Panel Session)

ORGANIZER(S): David S. Salisbury, University of Richmond; Mary Finley-Brook, University of Richmond

CHAIR(S): Mary Finley-Brook, University of Richmond

Introducer: David S. Salisbury

Discussant(s): Mary Finley-Brook, University of Richmond  
Panelists: Patricia A. Solís, Texas Tech University; Andrea Birgit Chavez, University of Florida; Osvaldo A. Muniz, Texas State University, San Marcos; Carlos J. Guilbe, University of Puerto Rico; Tedy Tuesta Torrejón, Universidad Nacional de Ucayali

**4668. Social movements and urban planning: The learning gap-3 (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group)**

*Room:* Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Tuna Tasan-Kok, TUDelft; Basak Demires Ozkul, Istanbul Technical University Department of Urban and Regional Planning; Ayda Eraydin, Middle East Technical University

CHAIR(S): Basak Demires Ozkul, Istanbul Technical University Department of Urban and Regional Planning

Introducer: Basak Demires Ozkul

**5:25** Julia Helen Heslop\*, Durham University, UK, *Learning between you, them and us: participatory planning practices within an institutional framework in the informal settlement of Bathore, Albania.*

**5:45** Mariana De Moura Cruz\*, Universidade Federal De Minas Gerais; Ana Flávia Costa da Silva, Universidade Federal de Minas Gerais; Junia Ferrari de Lima, Universidade Federal de Minas Gerais; Laís Grossi de Oliveira, Universidade Federal de Minas Gerais; Victor Gabriel de Souza Lima Alencar, Universidade Federal de Minas Gerais, *Participation in the context of Metropolitan Planning: A case-study of Belo Horizonte's Metropolitan Region.*

**6:05** Alexandra Flynn\*, Osgoode Hall Law School, *Negotiating "Local" and "City-Wide" in Toronto's Governance Model: the Casino Question.*

**6:25** Richard J. Nunes\*, University of Reading; Alastair Clewer, University of Reading, *Urban planning and the food movement. A negotiated 'post-capitalist politics' of difference.*

Discussant(s): Tuna Tasan-Kok, TUDelft

**4669. Logistics and Power III: Logistical Struggles (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)**

*Room:* Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Martin Danyluk, University of Toronto; Kyle Loewen, University of British Columbia

CHAIR(S): Deborah Cowen, University of Toronto

**5:20** Charmaine Chua\*, University of Minnesota - Minneapolis, *Logistics Leviathan: Non-places of circulation in the maritime supply chain.*

**5:40** Juan D De Lara\*, University of Southern California, *Racial Labor and the Global Logistics Matrix.*

**6:00** Kyle Loewen\*, University of British Columbia, *Memory, action, and the consumption of labor in warehousing.*

**6:20** Linda Annala, LA\*, Hanken School of Economics, *Practices of resistance to supply network emergence in the context of development aid - the case of spare parts for maintenance and repair of water supply services in rural Ethiopia.*

**6:40** Megan Elizabeth Brown\*, University of Washington, *Changing Geographies of Labor Organizing: Political and Institutional Responses to Neoliberalization at the SeaTac Airport.*

**4673. Advanced Techniques for Remote Sensor Data Analysis in Urban Areas (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Lucerne I, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Di Shi; Xiaojun Yang, Florida State University

CHAIR(S): Soe Win Myint, Arizona State University

Introducer: Xiaojun Yang

**5:25** Soe Win Myint\*, School of Geographical Sciences and Urban Planning, Arizona State University; Tong Zhu, School of Electrical, Computer and Energy Engineering, Arizona State University; Baojuan Zheng, School of Geographical Sciences and Urban Planning, Arizona State University, *A Novel Image Classification Algorithm Using Over-complete Wavelet Transforms.*

**5:43** Guangping Qie, Southern Illinois University Carbondale; Guangxing Wang\*, Southern Illinois University at Carbondale; Hua Sun, Central South University of

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Forestry & Technology; Yifang Tan, XianHu Botanic Garden of Shenzhen City; Yougui Peng, South China Agricultural University; Minzi Wang, Southern Illinois University Carbondale, *Improvement of City Forest Carbon Mapping by Combining Spectral Unmixing Analysis and Regression Modeling*.

**6:01** Jay Egenhoff\*, University of Montana; Bingqing Liang, University of Northern Iowa, *Developing a Shadow Correction Methodology Using a Very High Resolution Hyperspectral Imagery*.

**6:19** Qunshan Zhao\*, Arizona State University; Soe W. Myint, Arizona State University; Elizabeth A. Wentz, Arizona State University, *Rooftop Surface Temperature Analysis in Urban Residential Environment*.

**6:37** Jiabin Heng\*, Clark University; Jie Tian, Clark University, *Exploring the spatial-temporal relationships between NO<sub>2</sub> pollution and urbanization in China*.

Discussant(s): Ting Liu, Northeastern Illinois University

**4674. Towards more 'critical' geographies of heritage and its making: the panel (Sponsored by Cultural Geography Specialty Group)**

*Room:* Lucerne 2, Swissôtel, Lucerne Level (Panel Session)

ORGANIZER(S): Claudio Minca, Wageningen University;

Hamzah Muzaini, Wageningen University

CHAIR(S): Claudio Minca, Wageningen University

Discussant(s): Fiona McConnell, University of Oxford

Panelists: Hamzah Muzaini, Wageningen University; Derek H.

Alderman, University of Tennessee; Mike Crang,

Durham University; James A. Tyner, Kent State

University

**4675. Making Planetary Urban Policy (Sponsored by Regional Development and Planning Specialty Group, Urban Geography Specialty Group)**

*Room:* Lucerne 3, Swissôtel, Lucerne Level (Panel Session)

ORGANIZER(S): Jean-Paul Addie, University College London;

Michele Acuto, University College London

CHAIR(S): Jean-Paul Addie, University College London

Panelists: Michele Acuto, University College London; John

Harrison, Loughborough University; Allan Cochrane,

Open University; Susanne Klara Heeg, Goethe

University

**4676. Envisioning the Future(s) of Indigenous Geographies (Sponsored by Indigenous Peoples Specialty Group)**

*Room:* Alpine 1, Swissôtel, Lucerne Level (Panel Session)

ORGANIZER(S): Monica Mulrennan, Concordia University;

Heather E. Castleden, Queen's University; Vanessa

Sloan Morgan

CHAIR(S): Monica Mulrennan, Concordia University

Introducer: Vanessa Sloan Morgan

Panelists: Brad Coombes, School of Environment, The University

of Auckland; RDK Herman, National Museum of

the American Indian; Jessica McLean, Macquarie

University; Heather E. Castleden, Queen's University;

Monica Mulrennan, Concordia University

**4677. Spatiotemporal Symposium: Climate and Weather Change (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**

*Room:* Alpine 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Min Sun, George Mason University; Zhenlong

LI, George Mason University; Chaowei Yang, George

Mason University

CHAIR(S): Zhenlong LI, George Mason University

**5:20** Marina M. Timofeyeva-Livezey, Ph.D.\*, NOAA/NWS -

Silver Spring, MD; Andrea Bair, NOAA/NWS - Salt

Lake City, UT; Robert Livezey, Ph.D., retired; Annette

Hollingshead, Innovim; Fiona Horsfall, Ph.D., NOAA/

NWS - Silver Spring, MD; Jenna Meyers, NOAA/

NWS - Silver Spring, MD, *Assessing Significance of*

*Global Climate Change in Local Climate Time Series.*

**5:40** Gwang-Ryul Lee\*, Kyungpook National University; Changjoo Kim, University of Cincinnati, *Spatial and temporal analysis to local climate changes: A case study of relocated weather stations*.

**6:00** Hogeun Park\*, Michigan State University, *An agent-based model of informal housing: Assessing the impacts of climate change and market force in Ulaanbaatar, Mongolia*.

**6:20** Zhenlong LI\*, George Mason University; Chaowei Yang, George Mason University; Baoxuan Jin, Yunnan Provincial Geomatics Center, Kunming, China; Manzhou Yu, George Mason University; Kai Liu; Min Sun; Matthew Zhan, Department of Computer Science, University of Texas, *Enabling Big Climate Data Analytics with a Cloud-based, MapReduce-enabled and Service-oriented Workflow Framework*.

**4678. Natural Resource Governance**

*Room:* Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Poonam Jusrut, University of Illinois At Urbana

**5:20** Martin Rudbeck Jepsen\*, University of Copenhagen, Section for Geography, Institute of Geosciences and Natural Resource Management; Tobias Kuemmerle, Humboldt University, Berlin; Daniel Müller, Humboldt University, Berlin; Karlheinz Erb, Institute for Social Ecology, Alpen-Adria Universität; Peter H. Verburg, Institute for Environmental Studies, VU University Amsterdam; Helmut Haberl, Institute for Social Ecology, Alpen-Adria Universität; Anette Reenberg, University of Copenhagen, Section for Geography, Institute of Geosciences and Natural Resource Management, *Transitions in European Land-Management Regimes between 1800 and 2010*.

**5:40** David Katz\*, University of Haifa, *Markets for instream flows: theory vs. practice*.

**6:00** Amandine Lebrun\*, Truman State University, *Tensions About Environmental Representations and Conservation Policies: A Discourse Analysis of the Different Stakeholders from 1950 to 1991..*

**6:20** Mohan B. Dangi, Ph.D.\*, Assistant Professor, Department of Geography and City & Regional Planning, California State University, Fresno, United States; Ram P. Chaudhary, Ph.D., Executive Director, Research Centre for Applied Science and Technology, Tribhuvan University, Kirtipur, Nepal; Kedar P. Rijal, Ph.D., Head, Central Department of Environmental Science, Tribhuvan University, Kirtipur, Nepal; Deanna Fernandez, Department of Geography and City & Regional Planning, California State University, Fresno, United States; Prabin K. Sharma, Central Department of Environmental Science, Tribhuvan University, Kirtipur, Nepal; Shashidhar Belbase, Instructor, Department of Mathematics and Statistics, University College, Zayed University, Dubai, UAE; Upendra B. Bom, Department of Geography, University of Wyoming, Laramie, United States; Peter D. Stahl, Ph.D., Director, Wyoming Reclamation and Restoration Center, University of Wyoming, Laramie, United States, *Vulnerability to Environmental Change and People's Livelihood in Annapurna Conservation Area, Nepal*.

**6:40** Poonam Jusrut\*, University of Illinois Urbana Champaign, *Shifting the gaze: "Studying up" the forest sector in Senegal and implications for natural resource-based development for rural regions*.

**4679. University Environmental Action and Practice**

*Room:* St. Moritz, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Henry Way, James Madison University

## FRIDAY, APRIL 24 • 5:20 PM - 7:00 PM • 4600

- 5:20** Tingting Zhao\*, Florida State University; Elizabeth Swiman, Florida State University, *What prevent college student's pro-environmental practices?*.
- 5:40** Tim Edgar\*, University of Utah, *Mapping determinants of household electrical power consumption using self-organizing maps*.
- 6:00** Jessica Debski\*, Salem State University; Joe McGuire\*, Salem State University, *A Conceptual Framework for Fossil Fuel Divestment in United States Universities*.
- 6:20** Henry Way, PhD\*, James Madison University, *Trans-disciplinary Transformations: Engagement Through the Urban Landscape*.

### **4680. Migration in a Global Village (Sponsored by Africa Specialty Group)**

*Room:* Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Raymond Asare Tutu, Delaware State University

CHAIR(S): Raymond Asare Tutu, Delaware State University

- 5:20** Richard Grant\*, University of Miami, *Enclaves on Edge: Strategy and Tactics in Immigrant Business Spaces of Johannesburg*.
- 5:40** John J. Flynn\*, St. Catherine University, *Asian and African Immigration to Minneapolis - St. Paul, 1974 - 2014, and the creation of new cultural landscapes*.
- 6:00** Sonya M Glavac\*, University of New England; Neil Argent, University of New England, *The Propensity of Rural Youth Migration in Australia*.
- 6:20** Wan Yu\*, Arizona State University, *Chinese Student Migrants in Transition Period- To Return or to Stay?*.
- 6:40** Milena U. Janiec-Grygo\*, University of South Florida, *Unequal Employment Opportunities: Nikkei Migrant Women and Gendered Availability of Work in Yokohama and Oizumi, Japan*.

### **4681. Visual Methodologies**

*Room:* Verbier, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Samuel Smith, University of Chicago

- 5:20** Markus Hilander\*, Department of Teacher Education, University of Helsinki, Finland, *Taking a step outside the photo and its frame: analyzing drawings depicting New York City in the context of geography education*.
- 5:40** Ashley Allen\*, Louisiana State University, *After the Storm: Photographs and the Memorialization of the Woodward Tornado of 1947*.
- 6:00** Amber Hickey\*, University of California - Santa Cruz, *Operation Crossroads and the Strategic Use of Visual Media by the United States Government and Joint Task Force*.
- 6:20** Samuel Smith\*, University of Colorado, Boulder, *Museum Spaces as Media: Narration, Interpretation, and Senses of Place in the Mountain West*.

**FRIDAY, APRIL 24 • 7:15 PM - 8:15 PM • 4700****4702. Community College Affinity Group Business Meeting  
(Sponsored by Community College Affinity Group)***Room: Skyway 261, Hyatt, East Tower, Blue Level (Meeting Session)***4738. Water Resources Specialty Group Business Meeting  
(Sponsored by Water Resources Specialty Group)***Room: Acapulco, Hyatt, West Tower, Gold Level (Meeting Session)***4731. Biogeography Specialty Group Business Meeting (Sponsored  
by Biogeography Specialty Group)***Room: Columbian, Hyatt, West Tower, Bronze Level (Meeting Session)***4732. Retired Geographers Affinity Group Business Meeting  
(Sponsored by Retired Geographers Affinity Group)***Room: Comiskey, Hyatt, West Tower, Bronze Level (Meeting Session)***4733. Historical Geography Specialty Group Business Meeting  
(Sponsored by Historical Geography Specialty Group)***Room: Gold Coast, Hyatt, West Tower, Bronze Level (Meeting Session)***4736. Coastal and Marine Specialty Group Business Meeting  
(Sponsored by Coastal and Marine Specialty Group)***Room: Water Tower, Hyatt, West Tower, Bronze Level (Meeting Session)***FRIDAY, APRIL 24 • 7:30 PM****AAG World Geography Bowl***Room: Columbus Rooms, Hyatt, East Tower, Gold Level*  
See page 44 for details.**FRIDAY, APRIL 24 • 8:15 PM - 9:15 PM • 4800****4831. Regional Development and Planning Specialty Group  
Business Meeting (Sponsored by Regional Development and  
Planning Specialty Group)***Room: Columbian, Hyatt, West Tower, Bronze Level (Meeting Session)*





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

*For special events, please see the Special Events & Meetings Summary on pages 56-60.*

**AAG 2015 Mobile App**  
*for iOS, Android and Blackberry*



**SATURDAY, APRIL 25 • 8:00 AM - 9:40 AM • 5100****5101. Complex Place Attachments - Migration and Cities 1 (Sponsored by Cultural Geography Specialty Group, Ethnic Geography Specialty Group)****Room:** Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Jorg Ploger, ILS - Research Institute for Regional and Urban Development; Anna-Lisa Müller, University of Bremen

CHAIR(S): Jorg Ploger, ILS - Research Institute for Regional and Urban Development

Introducer: Anna-Lisa Müller

**8:05** Shaolu Yu\*, Geography Department, University of Connecticut, *Mobilocality*.**8:24** Paola Piscitelli\*, University Iuav of Venice, *Unveiling Invis.Able Territories of Back-and-Forth-Migrants Between Johannesburg And Maputo*.**8:43** Gabrielle Desilets, Ph.D\*, The Australian National University, *The Lasting Significance of the Local Context in the Everyday Experience of Highly Mobile People: The Case of Serial Migrants' Children in Melbourne, Australia and in Singapore*.**9:02** Zine-Eddine Hathat\*, CAU Kiel, *Transit Migrants in Tamanrasset, Algeria*.**5102. Examining the Social Coast I (Sponsored by Coastal and Marine Specialty Group)****Room:** Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Thomas Crawford, Saint Louis University; Enid L. Lotstein, Hofstra

CHAIR(S): Thomas Crawford, Saint Louis University

**8:00** Charles Bartlett Travis\*, Trinity College Dublin; Poul Holm, PhD, School of History, Trinity College Dublin, *A North Atlantic GIS: Mapping Social Coasts over Time and Space*.**8:20** William Welsh\*, *Coastal Detroit, Downriver and Western Lake Erie: From Global Dominance to Decline, Ruin Porn to Rebirth*.**8:40** Thomas Crawford\*, Saint Louis University; Scott Curtis, East Carolina University, *Coupling of South Asian Monsoon Dynamics to Local-scale Coastal Erosion and Human System Dynamics*.**9:00** Catherine Meur-Ferec\*, University of Brest, France; Elisabeth Michel-Guillou\*, Université de Bretagne Occidentale, *Integrating perception dimension in vulnerability analysis : towards a better understanding and management of coastal risks (erosion and sea flooding in temperate zone)*.**5105. Architectures of Oil: Global Perspectives****Room:** Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Reem Alissa, University of British Columbia; Mona Damluji

CHAIR(S): Mona Damluji

Introducer: Mona Damluji

**8:05** Carola Hein\*, TU Delft, *Pennsylvania's Global Petroleum Industry and its urban footprint in Philadelphia (1860s-1910)*.**8:24** Thien Vinh Nguyen\*, University College London, *Oil and the City: Understanding urban governance and visions of development in Sekondi-Takoradi, Ghana*.**8:43** Rania Ghosn\*, *Geographies of the Trans-Arabian Pipeline*.**9:02** Leith Deacon, PhD\*, University of Alberta, *Boomtown to Hometown: sustainable urban planning development - a case-study of Fort McMurray, AB, Canada*.**5106. Contemporary Geography Education Studies (Sponsored by Graduate Student Affinity Group, Ethnic Geography Specialty Group)****Room:** Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Graciela Sandoval

CHAIR(S): Angelika Hoppe, Karlsruhe Institut für Technologie/ IFGG II

**8:00** Jerry Mitchell\*, University of South Carolina; KurtButefish, University of Tennessee; Lisa Keys-Mathews, University of North Alabama; Jan Smith, Shippensburg University; William Strong, University of North Alabama, *Geospatial Technology - Planning for Authentic Learning*.**8:20** Robert S. Bednarz\*, Texas A&M University; Sarah Witham Bednarz\*, Texas A&M University, *What Is Geographical Thinking*.**8:40** Kanika Verma\*, Texas State University, *Geospatial Thinking of Undergraduate Students in Public Universities in the United States*.**9:00** Barbara Feulner\*, Augsburg University; Ulrike Ohl\*, Augsburg University, *Location-based mobile learning in geography education - theoretical background, practical implementations and empirical findings*.**9:20** Angelika Hoppe\*, Karlsruhe Institut für Technologie/ IFGG II, *To Link Teaching And Research*.**5109. Superstorm Sandy: Hazards, Vulnerabilities & Impacts (Sponsored by Hazards, Risks, and Disasters Specialty Group)****Room:** Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Neil Debbage, University of Georgia

CHAIR(S): Neil Debbage, University of Georgia

**8:00** Gainbi Park\*, University of Wisconsin - Milwaukee; Zengwang Xu, University of Wisconsin - Milwaukee, *Spatial and social vulnerability to hurricane damages: a study on hurricane Sandy and Irene in New York City*.**8:20** Fang Zhang\*, Florida State University; Xiaojun Yang, Florida State University, *Modeling Physical and Social Vulnerability to Hurricane Damage: A Geospatial Approach*.**8:40** Neil Debbage\*, University of Georgia; Nick Gonsalves, University of Georgia; J. Marshall Shepherd, University of Georgia; John A. Knox, University of Georgia, *Superstorm Sandy and Voter Vulnerability in the 2012 US Presidential Election: A Case Study of New Jersey and Connecticut*.**9:00** Judd Schechtman, J.D., M.U.P., Ph.D. Candidate\*, Rutgers University, Bloustein School of Planning, *The Boardwalk Commons: Lessons Learned from Large-Scale Environmental Restoration for Climate Change*.**9:20** Bjoern Hagen\*, Arizona State University; Ariane Middel, Arizona State University; David Pijawka, Arizona State University, *The longitudinal impact of extreme weather events on public perception of climate change in the United States*.**5110. Shrinking Cities from marginal to mainstream****Room:** Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Ivonne Audirac, University of Texas - Arlington; Emmanuèle Cladie Cunningham Sabot, Ecole Normale Supérieure

CHAIR(S): Ivonne Audirac, University of Texas - Arlington

**8:00** Maxwell Hartt\*, University of Waterloo, *The Evolution of Canadian Shrinking Cities*.**8:20** Sophie Buhník\*, UMR Géographie-cités, University Paris 1 (Panthéon-Sorbonne), *A shrinking mobility? Demographic de-growth and evolving daily mobilities in the Osaka-Kyoto-Kobe city-region*.**8:40** Marie-Fleur Albecker\*, University Paris 1 - Pantheon-Sorbonne, *Restructuring Paris' and New York's first suburbs: Decline and Globalization*.**9:00** Sarah Dubeaux\*, Ecole Normale Supérieure d'Ulm (Paris); Emmanuèle Cladie Cunningham Sabot\*, *Maximizing the potential of vacant spaces within SC: A German approach..*

Discussant(s): Ivonne Audirac, University of Texas - Arlington

**SATURDAY, APRIL 25 • 8:00 AM - 9:40 AM • 5100****5111. The Environmental City I**

- Room:** Skyway 285, Hyatt, East Tower; Blue Level (Paper Session)  
 ORGANIZER(S): Kris Bezdecny, Wright State University - Dayton, OH; Kevin W. Archer, Central Washington University  
 CHAIR(S): Kevin W. Archer, Central Washington University  
**8:00** Kris Bezdecny\*, Wright State University - Dayton, OH, *The Surplus (Urban) Population: Uneven Geographical Development and Urban Sustainability in Detroit.*  
**8:20** Julie Cidell\*, University of Illinois, *Sustainable Imaginaries: Urban Environmental Governance in Chicago and Melbourne.*  
**8:40** Jennifer L. Kitson\*, Arizona State University; Kevin E. McHugh, Arizona State University; Chelsea Munoz-Patchen, Arizona State University; Jonathan Bratt, Arizona State University, *Sensual Urbanism.*  
**9:00** Benjamin W. Stanley, Ph.D\*, Arizona State University, *Leveraging public land development initiatives for private gain: The political economy of vacant land speculation in Phoenix, Arizona.*  
 Discussant(s): John Rennie Short, University of Maryland Baltimore County

**5114. Urbanization in Indigenous Contexts: Struggles and Solutions (Sponsored by Urban Geography Specialty Group, Indigenous Peoples Specialty Group)**

- Room:** Columbus CD, Hyatt, East Tower; Gold Level (Paper Session)  
 ORGANIZER(S): RDK Herman, National Museum of the American Indian  
 CHAIR(S): Brad Coombes, School of Environment, The University of Auckland  
**8:00** Angus Lyall\*, University of North Carolina - Chapel Hill, *Urbanizing the Amazon: Community-State Relations, Indigenous Oil Companies, and the Contingencies of Sustainability in the Ecuadorian Amazon.*  
**8:20** Jino Distasio\*, Institute of Urban Studies, University of Winnipeg, *Housing First houses but does not end poverty: Stories from Winnipeg.*  
**8:40** Adrian Werner\*, University of Winnipeg; Evelyn Peters, PhD, University of Winnipeg, *"Mapping Them In." Urban Métis and the Potential of Administrative Data for Historical Research.*  
**9:00** Evelyn Joy Peters, Professor\*, University of Winnipeg; Matthew C.P. Stock, Queen's University; Adrian Werner, University of Winnipeg, *Rooster Town: Settler Colonialism and Métis fringe communities on the Canadian Prairies.*  
**9:20** Brad Coombes\*, School of Environment, The University of Auckland, *New urbanism, 'old' urbanism and the ongoing suppression of Indigenous development in urban places: Orakei - Garden Suburb?.*

**5116. Commemoration, Politics, and Violence I (Sponsored by Cultural Geography Specialty Group, Historical Geography Specialty Group)**

- Room:** Columbus G, Hyatt, East Tower; Gold Level (Paper Session)  
 ORGANIZER(S): Christopher W. Post, Kent State University  
 CHAIR(S): Christopher W. Post, Kent State University  
**8:00** Kenneth E. Foote\*, University of Connecticut; Sylvia Grider, Texas A&M University, *Memorialization of US School and University Tragedies: Spaces of Mourning and Remembrance.*  
**8:20** Gordon Andrew Cromley\*, Kent State University, *Bismarck Towers: A Legacy of Prussian Militarism.*  
**8:40** Christopher W. Post\*, Kent State University, *Kent State, May 4, and the Dialectics of Campus Commemoration.*  
**9:00** Dave Stasiuk\*, Kent State University, *A study of the memory and landscapes of violence at Pak'oxom, Rio Negro, Pacux, and Rabinal Guatemala.*  
 Discussant(s): Joshua F. Inwood, University of Tennessee

**5117. (De)Sexualisation & (De)Pornification of Space V: Governance and Regulation of Sex Work (Sponsored by Sexuality and Space Specialty Group)**

- Room:** Columbus H, Hyatt, East Tower; Gold Level (Paper Session)  
 ORGANIZER(S): Paul J. Maginn, University of Western Australia; Martin Zebracki, University of Leeds; Emily Cooper, Lancaster University  
 CHAIR(S): Paul J. Maginn, University of Western Australia  
**8:00** Laura Graham\*, Durham University, *Governing Sex Work Through Crime.*  
**8:20** Derek Eysenbach\*, Sonoma State University, *From Streetwalkers to Slaves: Prostitution Discourse and Regulation in Sonoma County, CA.*  
**8:40** Emily Cooper, Ph.D\*, Lancaster University, *Cohesion, codes and cosmic ordering: understanding community impact when researching and regulating spaces of sex work.*  
**9:00** Lynn Comella, Ph.D\*, University of Nevada - Las Vegas, *Geographies of Porn: Public Policies and Industrial Practices.*  
 Discussant(s): Paul J. Maginn, University of Western Australia

**5118. Livelihoods, vulnerability and resilience in South and South East Asian Deltas (Part 1) (Sponsored by Hazards, Risks, and Disasters Specialty Group)**

- Room:** Columbus JJ, Hyatt, East Tower; Gold Level (Paper Session)  
 ORGANIZER(S): Amelie Bernzen, University of Cologne, Institute of Geography; J. Craig Craig Jenkins, Ohio State University  
 CHAIR(S): Boris Braun, University of Cologne  
**8:00** Amelie Bernzen\*, University of Cologne, Institute of Geography, *Social and Economic Reasons of Land Use Change in Coastal Bangladesh.*  
**8:20** Abdullah Al-Maruf\*, University of Cologne, *Enhancing Resilience through Human Capital: Prospects for Adaptation to Disasters in Coastal Bangladesh.*  
**8:40** Brooke Ackerly, Associate Professor\*, Vanderbilt University, *Environment, political economies, and livelihood change.*  
**9:00** Niels Fold\*, University of Copenhagen, Department of Geosciences and Natural Resource Management; Henrik Hansen, University of Copenhagen, Department of Economics, *Waves of diversification and agrarian transformation in the Mekong River Delta: Impacts on the rural poor.*

**5119. Queer Data: Desire and Tension in the Production of Media Ecologies (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)**

- Room:** Columbus KL, Hyatt, East Tower; Gold Level (Panel Session)  
 ORGANIZER(S): Gregory Donovan, Fordham University; Jen Jack Giesekeing, Bowdoin College  
 CHAIR(S): David Phillips, U. Toronto  
 Panelists: Jen Jack Giesekeing, Bowdoin College; Jenny Korn, UIC; Elizabeth R. Johnson, University of Minnesota - Minneapolis; Gregory Donovan, Fordham University; David Phillips, U. Toronto

**5120. Class, space and capital 1: ground-level dynamics in contemporary global cities**

- Room:** Grand A, Hyatt, East Tower; Gold Level (Paper Session)  
 ORGANIZER(S): Michaela Benson, Goldsmiths  
 CHAIR(S): Roger Burrows, CUCR, Goldsmiths, University of London  
**8:00** Richard James Webber, Visiting Professor, Kings College London, *Alpha Territory: Cultural divisions in an elite London village.*  
**8:20** Caroline Knowles, Professor\*, Goldsmiths, *Hutongs, Hipsters and Bicycles: Young Londoners in Beijing.*  
**8:40** Luna Glucksberg\*, Goldsmiths, *Is this displacement? Pushing the boundaries of super-gentrification in London's Alpha Territory.*

# SATURDAY, APRIL 25 • 8:00 AM - 9:40 AM • 5100

- 9:00** Maria Luisa Mendez\*, Universidad Diego Portales, *Upper middle class reproduction in Santiago: how to reproduce privilege in a context of increasing wealth..*
- 9:20** Matias Garreton, PhD\*, CIT, Universidad Adolfo Ibanez; Ricardo Truffello, MSc, CIT, Universidad Adolfo Ibanez, *Grandchildren of Pinochet's eradication: neighborhoods of exclusion versus real estate development in villa San Luis..*

## 5121. Exercise and environment: new geographies of the exercise experience I

- Room:** Grand B, Hyatt, East Tower; Gold Level (Paper Session)  
ORGANIZER(S): Alan Latham, University College London; Russell S. Hitchings, UCL  
CHAIR(S): Alan Latham, University College London
- 8:00** Katrina Myrvang Brown\*, James Hutton Institute, *Feeling is healing: How the texture of terrain is enrolled as therapeutic landscape during physical exercise.*
- 8:20** Mattias Qvistrom\*, Swedish Univ of Agricultural Sciences, *Running beyond the beaten track? Fitness running and landscape ideals in Sweden.*
- 8:40** David L. Andrews\*, University of Maryland; Jacob Bustad, Towson University, *Encountering the (In)Active City: Lifestyle and Physical Cultures of the Urban Neighborhood.*
- 9:00** Russell S. Hitchings, Dr\*, UCL; Alan Latham, Dr, UCL, *Indoor versus outdoor running: how everyday exercise comes to happen in identified environments.*
- 9:20** Stephanie E. Coen\*, Queen's University, *Developing a Critical Geography of Physical Activity: The Case of Gender and the Gym.*

## 5122. Rethinking redundancy 1: Necessity, excess and uncertain futures

- Room:** Grand C/D North, Hyatt, East Tower; Gold Level (Paper Session)  
ORGANIZER(S): Chantel Carr, University of Wollongong; Chris Gibson, University of Wollongong  
CHAIR(S): Chantel Carr, University of Wollongong
- 8:00** Chris Gibson\*, University of Wollongong, Australia; Chantel Carr, University of Wollongong, Australia, *Rethinking redundancy for volatile futures.*
- 8:20** Kate Shaw, PhD\*, University of Melbourne, *Dereliction of duty: the impact of planned land redundancies on new urban manufacturing.*
- 8:40** Simon Beer\*, University of Durham, *Assembling Redundant Futures.*
- 9:00** Vishrut Arya\*, University of Minnesota - Minneapolis, *Technological displacement of labor: a dangerous contradiction?.*
- 9:20** Andrew Thomas Warren\*, University of Wollongong; Chris Gibson, University of Wollongong, *The embodied and emotional experiences of redundancy.*

## 5123. Indigenous Movements in Asia (Sponsored by Indigenous Peoples Specialty Group)

- Room:** Grand C/D South, Hyatt, East Tower; Gold Level (Paper Session)  
ORGANIZER(S): Ian G. Baird, The University of Wisconsin - Madison; Peter Swift, University of Wisconsin - Madison; Dinesh Paudel, Appalachian State University  
CHAIR(S): Ian G. Baird, The University of Wisconsin - Madison
- 8:00** Peter R. Swift\*, University of Wisconsin - Madison, *The Indigenous Concept and Transnational Networking in Southeast Asia.*
- 8:20** Ian G. Baird\*, University of Wisconsin - Madison, *Should the Ethnic Lao be Considered Indigenous to Cambodia? Reassessing Ethnicity, Classification and the Politics of Indigeneity.*
- 8:40** Mabel Denzin Gergan\*, University of North Carolina at Chapel Hill, *Precarity and Possibility: On Being Young and Indigenous in the Indian Himalayas.*
- 9:00** Dinesh Paudel\*, Appalachian State University, *Indigeneity and Identity Politics in Nepal.*

Discussant(s): Emily Yeh, University of Colorado

## 5124. Island and Coastal Geographies

- Room:** Grand E/F, Hyatt, East Tower; Gold Level (Paper Session)  
ORGANIZER(S): Program Committee  
CHAIR(S): Yves A. Boquet, Université De Bourgogne
- 8:00** Gregory Zaro\*, University of Maine; Martina Celhar, University of Zadar; Anica Cuka, University of Zadar; Josip Faricic, University of Zadar; Dario Vujevic, University of Zadar, *Urbanization and Landscape Change along Croatia's Adriatic Coast: Articulating the Ancient, Historic, and Modern Record.*
- 8:20** Satoshi Ishibashi, master of engineering, Planning and Research for Optimal Urban Design; Kaori ITO, Ph.D.\*, Department of Architecture, Tokyo University of Science, *Changes in historical land use and current space utilization patterns in a Japanese fishing village.*
- 8:40** Alvaro Montenegro\*, Ohio State University; Scott M. Fitzpatrick, University of Oregon; Richard T. Callaghan, University of Calgary, *Environmental Prime Movers for Prehistoric Colonization of Islands in Remote Oceania.*
- 9:00** Yves A. Boquet\*, Université De Bourgogne, *Filipinos, islands and the sea.*

## 5125. 'The Present': Session 1 (Sponsored by Cultural Geography Specialty Group)

- Room:** Grand Suite 2 AB, Hyatt, East Tower; Gold Level (Paper Session)  
ORGANIZER(S): Ruth Raynor; Ben Anderson, Durham University  
CHAIR(S): Ruth Raynor
- 8:00** Patricia Clough, prof\*, CUNY Graduate Center|Queens College, *From preemption to prehension: the post cybernetic present.*
- 8:20** Ella Rhea Selene Harris\*, Royal Holloway, University of London, *IDocs as a Contemporary Imagination of, and a way to Imagine, "The Present".*
- 8:40** Jayne Jeffries, Dr\*, Newcastle University, *Learning to live again: Multiple presents and the becoming of disability.*
- 9:00** Angharad Closs Stephens, Dr\*, University of Durham, *Nationhood, Organ Donation and Contested Presents.*
- 9:20** Jessica Dubow\*, University of Sheffield, *Towards a Statelessness in Time: Franz Rosenzweig, Judaic Theology and the Question of the Present..*

## 5126. Cases, spaces and situations (Sponsored by Qualitative Research Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

- Room:** Grand Suite 3, Hyatt, East Tower; Gold Level (Paper Session)  
ORGANIZER(S): Clive Barnett, University of Exeter; Murray M. Low, London School of Economics  
CHAIR(S): Clive Barnett, University of Exeter
- 8:00** Gareth Jones\*, London School of Economics; Dennis Rodgers\*, University of Glasgow, *Beyond the City Limits: Comparative Urbanism and the Chicago School of Sociology.*
- 8:20** Michael Eric Samers\*, University of Kentucky, *Arrival cities? From Chicago to Roubaix, France.*
- 8:40** James J. Macmillen\*, Cornell University, *Detroit as Case Study: the paradoxical allure of the exceptional and exemplary.*
- 9:00** Clive Barnett\*, University of Exeter, *Problematizations: situating contemporary urban thought.*
- 9:20** Murray M. Low\*, London School of Economics, *Comparison without Cases? Comparison of cities and spaces in geography in longer-term perspective..*

## 5127. Gramsci and Geography 1 (Sponsored by Socialist and Critical Geography Specialty Group)

- Room:** Grand Suite 5, Hyatt, East Tower; Gold Level (Paper Session)  
ORGANIZER(S): Marcus E. Green, Otterbein University; Joel D

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Wainwright, The Ohio State University  
CHAIR(S): Marcus E. Green, Otterbein University  
Introducer: Marcus E. Green

**8:01** Kate Crehan\*, CUNY Graduate Center, *The Scottishness of Adam Smith: The Making of a Bourgeois Organic Intellectual*.

**8:21** Joel D Wainwright\*, The Ohio State University, *Capital, non-capital, and empire in Gramsci and Luxemburg*.

**8:41** Geoff Mann\*, Simon Fraser University, *The Rentier and the Rabble*.

**9:01** Jim Glassman\*, University of British Columbia, *Was Gramsci a Maoist?*.

**9:21** Vinay Gidwani\*, University of Minnesota; Dinesh Paudel, Appalachian State University, *Mao, Meet Gramsci: A Passive Revolution in Nepal?*.

## 5129. The Role of Actor-Network Theory (ANT) in Indigenous Geography Studies (Sponsored by Indigenous Peoples Specialty Group)

Room: Plaza B, Hyatt, East Tower, Green Level (Paper Session)

ORGANIZER(S): Kate A. Berry, University of Nevada, Reno; Mark H. Palmer, University of Missouri-Columbia

CHAIR(S): Kate A. Berry, University of Nevada, Reno

**8:00** Imogen Bellwood-Howard\*, Georg-August Universität Göttingen, *Agricultural Knowledge Actor-Networks in Northern Ghana*.

**8:20** Roxanne T. Ornelas\*, Miami University, *Indigenous Peoples and Sacred Water in the Anthropocene*.

**8:40** William Maxwell, M.S.\*, University of North Carolina at Chapel Hill, *Can the Plant Speak? Agency in Lumbee-Plant Relations*.

**9:00** Mark H. Palmer\*, University of Missouri-Columbia, *Sustainability Science, Indigenous Geographies, and Hybrid Knowledge Systems*.

**9:20** Kate A. Berry\*, University of Nevada, Reno; Emma Norman, Northwest Indian College; Teresa Coen Wolfenden, University of Idaho, *Time, Space and Tribal Water Quality Governance: An Actor-Network Approach*.

## 5130. When Logics Collide: The Political and Economic Geographies of Extraction - I (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Tomas Frederiksen, University of Manchester; Matthew Himley, Illinois State University

CHAIR(S): Matthew Himley, Illinois State University

**8:00** Joshua D. Kirshner, PhD\*, Durham University, *Mining and extractive urbanism: Displacement, inequalities and unplanned growth in a Mozambican boomtown*.

**8:20** Tomas Frederiksen\*, University of Manchester, *The politics of corporate social responsibility in development: comparing the mining sector in Zambia, Ghana and Peru*.

**8:40** Armando Garcia Chiang, Doctor\*, Universida Autonoma Metropolitana, Iztapalapa, *Corporate Social Responsibility in the Mexican Oil Industry. Petroleos Mexicanos (PEMEX) Integrated Contracts for Exploration and Production*.

**9:00** Erica Schoenberger\*, Johns Hopkins University, *Is Environmentally Responsible Mining Possible?*.

Discussant(s): Jacque (Jody) L. Emel, Clark University

## 5131. The View from the Anthropocene: Measuring the Historic Human Impact on the Environment and Landscape I (Sponsored by Landscape Specialty Group, Historical Geography Specialty Group, Geomorphology Specialty Group)

Room: Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Megan McCusker Hill, University of Connecticut; Katharine Johnson, University of

Connecticut

CHAIR(S): Katharine Johnson, University of Connecticut

**8:00** Kathryn Anne Catlin, MA\*, Northwestern University, *Archaeology and the Anthropocene: Soil and Scale in the Settlement of Iceland*.

**8:20** Katharine M Johnson\*, University of Connecticut; William B Ouimet, PhD, University of Connecticut, *Quantifying the Anthropocene: the Physical and Cultural Controls on Stone Wall Construction in Southern New England*.

**8:40** Timothy Beach\*, University of Texas at Austin, *The 'Mayacene': Maya Mirror for the Americas*.

**9:00** Charles W. Martin\*, Kansas State University, *Trace metal storage in recent floodplain sediments along the Dill River, central Germany*.

**9:20** Megan McCusker Hill\*, University of Connecticut; William B. Ouimet, PhD, University of Connecticut, *Gullies as Markers of Holocene and Anthropocene Environmental Change in southern New England*.

## 5132. Innovative Methods in Cartography and Visualization (Sponsored by Cartography Specialty Group)

Room: Comiskey, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Barry Joel Kronenfeld, Eastern Illinois University

CHAIR(S): Bin Li, Central Michigan University

**8:00** Libbey Kutch\*, Michigan State University; Sue C Grady, PhD, Michigan State University, *Using Spatial Epidemiological Methods to Improve the Surveillance of Racial Disparities in Infant Mortality*.

**8:20** Binghu Huang, China University of Petroleum; Binghu Huang\*, george mason university, *A Method of Adaptive, Variable-Scale Visualizing the NetCDF Data Based on GIS*.

**8:40** Matthew Layman, MS-GISc Student\*, University of Denver, *3D GIS in the oil and gas industry*.

**9:00** Gunhak Lee\*, Seoul National University, *An alternative method of visualizing geographic movement using area cartogram*.

**9:20** Bin Li\*, Central Michigan University, *Quantitative Constraints for Cartographic Generalization*.

## 5133. Author Carolyn Finney Meets Critics- Black Faces White Spaces: Reimagining the Relationship of African Americans to the Great Outdoors (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Gold Coast, Hyatt, West Tower, Bronze Level (Panel Session)

ORGANIZER(S): Jake Kosek

CHAIR(S): Jake Kosek

Introducer: Jake Kosek

Discussant(s): Carolyn Finney, University of California Berkeley

Panelists: Julian Agyeman, Tufts University; Sharlene L. Mollett, University of Toronto; Nik Heynen, University of Georgia; Rashad Shabazz, The University of Vermont; Brinda Sarathy, Pitzer College

## 5135. Geopolitics of Water: Session I- Transboundary Water Issues (Sponsored by Political Geography Specialty Group, Water Resources Specialty Group)

Room: Picasso, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Britt Crow-Miller, Portland State University; Afton Clarke-Sather, University of Delaware

CHAIR(S): Britt Crow-Miller, Portland State University

**8:00** Lily A. House-Peters\*, University of Arizona, *Conservation & Conflict in Transboundary Waters: Tracing the (Dis)Articulations of Community Organization, State-power, and the Politics of Nature in the US-Mexico Borderlands*.

**8:20** Jacob D. Petersen-Perlman, Ph.D.\*, Oregon State University, *Counter-Hegemony in Transboundary River Basins*.

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**8:40** Britt Crow-Miller\*, Portland State University, *Chinese water control and transboundary issues*.

Discussant(s): Michael Webber, University of Melbourne

**5136. Topics in Mexican Environmental History (Sponsored by Latin America Specialty Group)**

**Room:** *Water Tower, Hyatt, West Tower, Bronze Level* (Paper Session)  
ORGANIZER(S): Antoinette MGA. WinklerPrins, Johns Hopkins University; Gerardo Bocco, CIGA - UNAM  
CHAIR(S): Antoinette MGA. WinklerPrins, Johns Hopkins University

**8:00** Paola Segundo, Centro de Investigaciones en Geografía Ambiental, UNAM; Pedro Urquijo\*, Centro de Investigaciones en Geografía Ambiental, UNAM; Gerardo Bocco, Centro de Investigaciones en Geografía Ambiental, UNAM, *Revisiting landscape field studies at Baja California. Berkeley school studies in Baja California Peninsula, Mexico*.

**8:20** Andrew Boni Noguez\*, Centro de Investigaciones en Geografía Ambiental, UNAM; Claudio Garibay, Centro de Investigaciones en Geografía Ambiental, UNAM; Michael K. McCall, Centro de Investigaciones en Geografía Ambiental, UNAM, *Mining in sacred land: the present conflict in Wirikuta/Catorce, northern Mexico*.

**8:40** Brian Michael Napoletano\*, CIGA - UNAM; Yurixhi Manriquez, CIGA-UNAM; Claudio Garibay Orozco, CIGA-UNAM, *Territorial Discourses of Mining Conflicts in the Sierra Norte of Puebla, Mexico*.

**9:00** Itzi Gael Segundo Metay\*, Universidad Nacional Autónoma de México; Bocco Verdinelli, CIGA UNAM, *The vulnerability of the invisible*.

**9:20** Gerardo Bocco\*, CIGA - UNAM; Pablo Alvarez, Facultad de Ciencias, Universidad Autónoma de Baja California (UABC); Ileana Espejel, Facultad de Ciencias, Universidad Autónoma de Baja California (UABC); Antoinette WinklerPrins, Johns Hopkins University, *Cultural Landscapes of Coastal Baja California Sur: Stability Amidst Change*.

**5137. Grounding Knowledge, Assembling Policies I - Development trajectories in the Global South (Sponsored by Urban Geography Specialty Group, Development Geographies Specialty Group)**

**Room:** *Wrigley, Hyatt, West Tower, Bronze Level* (Paper Session)  
ORGANIZER(S): Gabriel Silvestre, University College London; Luis Regis Coli, Federal University of Rio de Janeiro

CHAIR(S): Gabriel Silvestre, University College London

**8:00** Carlos Vainer\*, IPPUR - Universidade Federal do Rio de Janeiro, *Notes on the Coloniality of Urban and Regional Planning*.

**8:20** Nida Rehman\*, Pennsylvania State University, *Situating the Desert: An Examination of the Thal Development Project*.

**8:40** Amy Mills\*, University of South Carolina, *Emplacing urbanism at a transnational nexus: Satirizing urban planning and municipal authority in early Republican Turkey*.

**9:00** Azadeh Mashayekhi\*, Delft University of Technology, *How Iranian urban poor deconstruct the American dream*.

Discussant(s): Ola Söderström

**5138. Geography of Health and Health Care in Asia (Sponsored by China Specialty Group, International Geospatial Health Research Network, Asian Geography Specialty Group, Health and Medical Geography Specialty Group)**

**Room:** *Acapulco, Hyatt, West Tower, Gold Level* (Paper Session)  
ORGANIZER(S): Jie Yu, Queens University; Peiling Zhou, Michigan State University

CHAIR(S): Mark W. Rosenberg, Queen's University

**8:00** Peiling Zhou\*, Michigan State University, *Physician-patient conflicts in China in everyday medical practice*.

**8:20** Rose Kay Keimig\*, Yale University, *'Guanxin Wo': Care and Identity in China's New Nursing Homes*.

**8:40** Ayako Matsumoto\*, Agricultural Engineering and Socio-Economics, Kobe University, *Effect of Art Project against the Falling Birth Rate and the Aging Population in Japanese Rural Region*.

**9:00** Mengieng Ung\*, Department of Geography, Western University; Vincent Kuire, Department of Geography, Western University; Jonathan A. Amoyaw, Department of Sociology, Western University; Godfred O. Boateng, Department of Sociology, Western University; Isaac N. Luginaah, PhD, Department of Geography, Western University, *Time to the Termination of Breastfeeding among Married Women in Cambodia: Implications for Public Health Policy*.

**9:20** Jie Yu\*, Queens University, *Place making in old age in the context of urban transformation in Beijing, China*.

**5139. Spatial land use planning and optimization**

**Room:** *Atlanta, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Kai Cao

CHAIR(S): Kai Cao

**8:00** Kai Cao\*, *Interactive Land Use Optimization: a Prototype of Web Based System*.

**8:20** Yaolin Liu\*, Wuhan University; Yanfang Liu, Wuhan University; Wei Tang, Wuhan University, *A land-use spatial optimization model based on genetic optimization and game theory*.

**8:40** Bhuiyan Monwar Alam\*, The University of Toledo, *Sustainable Community Development through Urban Planning Workshop Class*.

**9:00** Jing Deng\*, University of North Carolina at Charlotte; Wenwu Tang, University of North Carolina at Charlotte, *A cyber-enabled spatial data mining approach: an analysis of cause-effect relationships in land use system*.

**9:20** Robert O. Vos\*, University of Southern California, Spatial Sciences Institute; Meredith Franklin, University of Southern California, Spatial Sciences Institute and Preventive Medicine; Daniel Eisman, University of Southern California, Spatial Sciences Institute; Derek Newland, University of Southern California, Spatial Sciences Institute, *Hierarchical Spatial Modeling for Smart Growth*.

**5140. The choice for housing, working and its impact on mobility (I) - unpacking the black box. Theories, concepts and methods for the interdependent choice of residence, workplace and mobility behavior in metropolitan regions (Sponsored by Regional Development and Planning Specialty Group, Urban Geography Specialty Group, Transportation Geography Specialty Group)**

**Room:** *Hong Kong, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Michael Bentlage, TU Munich; Alain Thierstein, Munich University of Technology; Frank Witlox, Ghent University

CHAIR(S): Michael Bentlage, TU Munich

**8:00** Alain Thierstein\*, Munich University of Technology; Michael Bentlage, TU Munich; Stefan Klug, Munich University of Technology; Gebhard Wulffhorst, Munich University of Technology, *Housing, working and its impact on mobility within the Munich Metropolitan Region*.

**8:20** Juanjuan Zhao\*, Munich University of Technology; Michael Bentlage, Munich University of Technology; Alain Thierstein, Munich University of Technology, *Knowledge-intensive workers' residential preferences within the Munich metropolitan region*.

**8:40** Yujie Hu\*, Louisiana State University; Fahui Wang, Louisiana State University, *Place-Based Commuting Variability by Wage Groups in Baton Rouge 1990-2010*.

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**9:00** Ruediger Hamm, Prof. Dr., Niederrhein Institute for Regional and Structural Research; Angelika Jaeger, Niederrhein Institute for Regional and Structural Research; Katja Keggenhoff\*, Niederrhein Institute for Regional and Structural Research, *Determinants of location evaluations and choice of residence. An empirical analysis of the city of Moenchengladbach.*

**9:20** Arwa Mohamed Altahet\*, UNCG; Selima Sultana, University of North Carolina at Greensboro, *To Dream the American Dream: A Spatial Assessment of Immigrants' Housing and commuting choices and Quest for their Upward Mobility.*

## 5141. Mental Health Geographies (Sponsored by International Geospatial Health Research Network)

*Room:* New Orleans, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Geospatial Health Research; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Joan M. Welch, West Chester University

**8:00** Matin Katirai, PhD\*, West Chester University Department of Geography; Joy A. Fritschle, West Chester University of Pennsylvania; Katelynn Wintz, *"Forest Bathing": Exploring the Spatial Relationship between Trees and Mental Health at a National Scale.*

**8:20** Joshua Evans\*, Athabasca University; Robert Wilton, McMaster University, *A working recovery? Psychiatric consumers, paid employment and 'Other' mental health geographies.*

**8:40** Heather A Hart\*, Ryerson University; Victoria Fast, Ryerson University, *Crowd mapping mental health promotion through the Thought Spot project.*

**9:00** Wei Yang\*, University of Georgia; Lan Mu, University of Georgia, *GIS analysis of depression among Twitter users.*

**9:20** Joan M. Welch, Ph.D.\*, West Chester University; Aaron M. Brouse, West Chester University; Adam P. Blough, West Chester University; Alexander H. Thurstlic, West Chester University, *Urban Forest Resilience and Health: West Chester University Pennsylvania Campus.*

## 5142. Nigerian Environmental Applications

*Room:* Regency A, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Melissa J. Tolene Rura, United Methodist Neighborhood Centers of Memphis

CHAIR(S): Mofoluso A. Fagbeja, National Space Research and Development Agency (NASRDA), Abuja

**8:00** Gboyega Boboye\*, *Impact of Oil Spill On Soil Productivity.*

**8:20** Eze Bassey Eze\*, University of Calabar, *Monitoring The Rate of Pollution of Urban River Estuarine; A Case Study The Calabar River; S.E. Nigeria.*

**8:40** Olukemi Funmilayo\*, Adeyemi College of Education, *Sanitary Conditions and Environmental Sustainability in Traditional Markets in South-western Nigeria..*

**9:00** Comfort Ogunleye-Adetona\*, Educational Institution, *A Comparative Study of Development Challenges In Two Migrant Communities In Sango And Jorro Communities In Ilorin, Nigeria.*

**9:20** Mofoluso A. Fagbeja\*, National Space Research and Development Agency (NASRDA), Abuja, *The Role of Satellite Earth Observation In Population Estimation: Example From The Niger Delta Region of Nigeria.*

## 5144. Slaying the Malthusian (Water) Dragon? Critical Geographical Perspectives on Desalination I

*Room:* Regency C, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Jamie McEvoy, Montana State University; Maria Fragkou, Universidad de Chile; David Sauri, Universitat Autònoma de Barcelona

CHAIR(S): Maria Fragkou, Universidad De Chile

**8:00** Maria Christina Fragkou\*, Universidad De Chile; Christos Zografos, Universidad Autónoma de Barcelona,

*Deconstructing desalination; a political ecology research agenda, based on the peculiar case of Antofagasta, Chile.*

**8:20** Jamie McEvoy\*, Montana State University; Maria Christina Fragkou, Ph.D., Universidad de Chile, *Does Desalination Resolve or Produce Contradictions? Case Studies of Moving from Hydrological to Perceptual Water Scarcity in Two Arid Cities in Mexico and Chile.*

**8:40** Faith Sternlieb, Ph.D.\*, Hebrew University of Jerusalem; Itay Fishhendler, Ph.D., Hebrew University of Jerusalem; Eran Feitelson, Ph.D., Hebrew University of Jerusalem, *Does Desalinated Seawater Replace Freshwater? Insight from the Israeli Experience.*

**9:00** Stephen Gasteyer\*, Michigan State University, *The Reemerging Blooming Desert: "Reclaimed Water" and the Reemergence of Israel's Defining Sociotechnical Imaginary.*

**9:20** Hussein A. Amery\*, Colorado School of Mines, *Desalination Security in the Arab Gulf States.*

## 5145. Planning for Resilience in a Neoliberal Age - Session 1

*Room:* Regency D, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Angela Connelly; Paul O'Hare, Manchester Metropolitan University

CHAIR(S): Angela Connelly

**8:00** Jon Coaffee\*, University of Warwick, *Unpacking the Urban Resilience 'Turn'.*

**8:20** Kevin Keenan\*, College of Charleston, *Urban Contexts and Institutions: Still Relevant for Understanding Awareness of Vulnerability to Terrorism.*

**8:40** Zachary Paganini\*, The Ohio State University, *Underwater: The Production of Informal Space through Discourses of Resilience in Canarsie, Brooklyn.*

**9:00** Ioanna Tantanasi\*, The University of Manchester, *Towards an adaptive framework to managing the carbon agenda: a UK case study.*

**9:20** Paul O'Hare\*, Manchester Metropolitan University; Iain White, University of Waikato, New Zealand; Angela Connelly, Dr, University of Manchester, *The Cycle of Maladaptive Resilience: Insurance and 'business as usual' paradox.*

## 5146. Geography Study Abroad Programs: Field Experiences from Africa 1 (Sponsored by Africa Specialty Group)

*Room:* San Francisco, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Francis Koti, University of North Alabama; Seth Appiah-Opoku, University of Alabama

CHAIR(S): Francis Koti, University of North Alabama

Panelists: Francis Koti, University of North Alabama; Hilary Hungerford, South Dakota State University; Richard Grant, University of Miami; Iddi Adam, University of Wisconsin - Marshfield Campus; Dely Alcantara

## 5147. Geographical Encounters with "Odd Objects" 1: Thresholds (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

*Room:* Toronto, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Lia Frederiksen, University of Toronto; David K. Seitz, University of Toronto

CHAIR(S): Lia Frederiksen, University of Toronto

**8:00** Ursula Lang\*, University of Minnesota, *Yards Beyond Gardens and Lawns.*

**8:20** Lia Frederiksen\*, University of Toronto, *"The Library is Part of an Alien World": Book Reports, Spotty Archives, and Ordinary Geographies of Knowledge.*

**8:40** Ruth Mason\*, University Collge London, *"Thou shalt not make unto thee any graven image", but yet there is so much stuff in Methodist chapels (England, 1851-1932).*

**9:00** David K. Seitz\*, University of Toronto, *The (Literal) Waiting Room of History: Not-Yet-Refugees, Queer Liminality, and the Geography of Precarity.*

Discussant(s): Patricia Burke Wood, York University

**SATURDAY, APRIL 25 • 8:00 AM - 9:40 AM • 5100****5148. Curation of the City as Everyday Assemblage**

- Room:** *Crystal A, Hyatt, West Tower, Green Level* (Paper Session)  
 ORGANIZER(S): Kevin Leander, Vanderbilt University  
 CHAIR(S): Kevin Leander, Vanderbilt University  
**8:00** Alvin Pearman\*, Vanderbilt University, *Freight-Hopping, Access, and the Curation of the City*.  
**8:20** Jennifer Beth Kahn\*, Vanderbilt University, Peabody College; Kevin M. Leander, Vanderbilt University, Peabody College, *An Analysis of Curation as Professional Practice*.  
**8:40** Benjamin Shapiro, PhD Student\*, Vanderbilt University; Rogers Hall, Professor, Vanderbilt University; Lara Heiberger, PhD Student, Vanderbilt University, *Assembling American Roots Music: Visitors' Micro-Curation and Engagement in Museum Gallery Spaces*.  
**9:00** Jyoti Gupta, MPH\*, Vanderbilt University; James C. Fraser, PhD, Vanderbilt University; Amie Thurber, MSW, Vanderbilt University, *Curating City History and Geography: The Case of A People's Guide*.  
 Discussant(s): Jan Nespor

**5149. Geography and the "Crisis of Civic Engagement in Higher Education": Session I - Civic engagement within departments: pedagogy, scholarship & institutional politics**

- Room:** *Crystal B, Hyatt, West Tower, Green Level* (Panel Session)  
 ORGANIZER(S): Holly Barcus, Macalester College; Daniel Trudeau, Macalester College  
 CHAIR(S): Holly Barcus, Macalester College  
 Introducer: Holly Barcus  
 Panelists: William Gribb, University of Wyoming; Euan Hague, DePaul University; Jin-Kyu Jung, University of Washington-Bothell; Jeff Rose, Davidson College; Rina Ghose, University of Wisconsin Milwaukee

**5150. The New School and the Pedagogy of Alternative Urban Practices**

- Room:** *Crystal C, Hyatt, West Tower, Green Level* (Panel Session)  
 ORGANIZER(S): Miguel Robles-Duran  
 CHAIR(S): Miguel Robles-Duran

**5151. Issues in Transport and Mobility in China (Sponsored by China Specialty Group)**

- Room:** *Stetson A, Hyatt, West Tower, Purple Level* (Paper Session)  
 ORGANIZER(S): David W. Edgington, University of British Columbia  
 CHAIR(S): Honglei Zhang, Nanjing University  
**8:00** Honglei Zhang\*, Nanjing University; Yang Yang, Temple University, *Can Transport Provision Promote Tourist Mobility Between Provinces in China?*.  
**8:20** Curt Nestor\*, University of Gothenburg, *Hong Kong - a transshipment center for China's seaborne foreign trade*.  
**8:40** Tao Haiyan\*, Sun Yat-sen University; Tao Haiyan; Wu Jie; Pan Zhongzhe; Zhou Shuli, *Taxi Moving Pattern Based on Similarity for Trajectory: A Case of Shenzhen*.  
**9:00** He Xianhua\*, Peking University, *Personal Networks, Formal Institutions, and the Migration of Micro-business and SMEs in South-west China*.

**5152. Big Spatiotemporal (BiST) Data Analytics - I (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**

- Room:** *Stetson BC, Hyatt, West Tower, Purple Level* (Panel Session)  
 ORGANIZER(S): David Wong, University of Hong Kong; Shih-Lung Shaw, University of Tennessee  
 CHAIR(S): David Wong, University of Hong Kong  
 Introducer: David Wong  
 Panelists: May Yuan, University of Texas - Dallas; Marc P. Armstrong, University of Iowa; David Alexander, Full Time Student; Daniel Z. Sui, The Ohio State University

**5153. Rural and Minority Populations in China (Sponsored by China Specialty Group)**

- Room:** *Stetson D, Hyatt, West Tower, Purple Level* (Paper Session)  
 ORGANIZER(S): David W. Edgington, University of British Columbia  
 CHAIR(S): Lan Xue, Pennsylvania State University  
**8:00** Haojing Shen\*, College of Urban and Environmental Sciences, Peking University; Changchun Feng\*, College of Urban and Environmental Sciences, Peking University, *Urbanization Path of Rural Residents: Evidence From Traditional Agricultural Areas in Middle China*.  
**8:20** Yansui Liu\*, Chinese Academy of Sciences; Yuheng Li, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, *Land resources engineering and its impact on urban-rural transformation in China*.  
**8:40** Yuheng Li\*, Chinese Academy of Sciences; Ziwen Zhang, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Yansui Liu, Beijing Normal University, *The coupling relationship between rural population changes and residential land in rural China*.  
**9:00** Lan Xue\*, Pennsylvania State University; Deborah Kerstetter, Pennsylvania State University, *Living a new rural life in China: From peasants to businessmen*.  
**9:20** Shaowei Ai\*, Henan University, Center for Yellow River Civilization and Sustainable Development, *Transcultural Space and the Evolution of Hui & Muslim Communities in China: From the Perspectives of Glocalization and Identity*.

**5154. Affective Ecologies, Living Economies and Alternate Ways of Valuing Nature: Session IV (Affective Ecologies and Environmentality) (Sponsored by Cultural and Political Ecology Specialty Group)**

- Room:** *Stetson E, Hyatt, West Tower, Purple Level* (Paper Session)  
 ORGANIZER(S): Neera Singh, University of Toronto; Katja Grotzner Neves, Concordia University; Mamta Vardhan, University of Alberta  
 CHAIR(S): Neera Singh, University of Toronto  
**8:00** Katja Grotzner Neves, PhD\*, Concordia University, *Post-Normal Environmentality, Affect, and Eco-Citizenship*.  
**8:20** Alec Foster\*, temple university, *Local Environmental Stewardship and Affective Labor in Philadelphia*.  
**8:40** Audrey Ricke, Ph.D.\*, Purdue University, *Cultivating More Affective Ties: German-Brazilian Relationships with the Environment*.  
**9:00** Eduardo J. Romero Dianderas\*, University of Georgia, *Questioning alternative governmental projects in the margins of the State: State evocations, affect and indigenous organizations in contemporary Peruvian Amazonia*.  
 Discussant(s): Dan Brockington, University of Manchester

**5155. The Spatial Constitution of Markets (Sponsored by Political Geography Specialty Group, Economic Geography Specialty Group)**

- Room:** *Stetson F, Hyatt, West Tower, Purple Level* (Panel Session)  
 ORGANIZER(S): Leqian Yu, University of Toronto; Luis Felipe Alvarez, UCLA  
 CHAIR(S): Luis Felipe Alvarez, UCLA  
 Discussant(s): Mark Kear, Simon Fraser University; Sarah Hall, University of Nottingham; Brett Christophers, Department of Social and Economic Geography, Uppsala University  
 Panelists: Luis Felipe Alvarez, UCLA; Christian Berndt, University of Zurich; Leqian Yu, University of Toronto

**5156. Global Urban Observation VI: Urbanization Monitoring, Modeling, and Prediction from Local to Global Scales (I) (Sponsored by China Specialty Group)**



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- Room:** Stetson G, Hyatt, West Tower, Purple Level (Paper Session)  
**ORGANIZER(S):** Yuyu Zhou, Pacific Northwest National Laboratory; Chunyang He, Beijing Normal University, China.  
**CHAIR(S):** Chunyang He, Beijing Normal University, China.  
**8:00** Chunyang He\*, State Key Laboratory of Earth Surface Processes and Resource Ecology (ESPRE), Beijing Normal University, China.; Zhifeng Liu, State Key Laboratory of Earth Surface Processes and Resource Ecology (ESPRE), Beijing Normal University, Beijing 100875, China, *Water stress index dynamics in global drylands under rapid urbanization and climate change.*  
**8:20** Rongxu Qiu\*, University of Lethbridge; Wei Xu, University of Lethbridge, *Simulating spatial dynamics of urban land use - residential mobility and neighborhood evolution.*  
**8:40** Max Lu\*, Kansas State University; Jianjun Yang, Zhejiang University, China; Minyan Guo, Zhejiang University, China, *Land Expropriation, Demolition and Displacement in China's Rapid Urbanization Drive.*  
**9:00** Dina N. Elshahawany, Doctoral Candidate\*, Zagazig university and Rutgers University, *Urbanization and Population Distribution in Egypt: An Evaluation of the New Communities Program.*

## 5157. Activism and Eating on College Campuses (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group)

- Room:** Addams, Hyatt, West Tower, Silver Level (Paper Session)  
**ORGANIZER(S):** Angela Babb, Indiana University  
**CHAIR(S):** Angela Babb, Indiana University  
**8:00** Angela Babb\*, Indiana University, *The Real Food Challenge: Transforming the Food System through Student Activism.*  
**8:20** Clare Jordan Maffei\*, University of Maryland - Baltimore County; Margaret Buck Holland, Ph.D, University of Maryland - Baltimore County; Jill Wrigley, J.D, M.A., University of Maryland - Baltimore County; Kelsey Marie Donnellan, University of Maryland - Baltimore County, *The Garden: Environmental Engagement and Civic Agency.*  
**8:40** Rosie Linares\*, San Francisco State University, *Local, Sustainable, Humane, and Fair Food on Campus: Using the "Real Food Calculator" to Assess Food Purchases by Restaurants at San Francisco State University.*  
**9:00** Jessica Hayes-Conroy\*, Hobart & William Smith Colleges, *Space for Activism, Research, and Teaching: Locating Food Studies on a Liberal Arts Campus.*  
**9:20** Lainie Rini\*, Ohio State university; Lainie Rini, The Ohio State University, *Possibilities for Food Systems Change: Connecting Campus Activism to Local Communities.*

## 5158. Flooding Hazards, Flood Prevention, and Landslide Risks (Sponsored by Hazards, Risks, and Disasters Specialty Group)

- Room:** Burnham, Hyatt, West Tower, Silver Level (Paper Session)  
**ORGANIZER(S):** Tim G. Frazier, University of Idaho; Laura Kathryn Siebeneck, University of North Texas  
**CHAIR(S):** Tim G. Frazier, University of Idaho  
**8:00** Jonathan W.F. Remo\*, Southern Illinois University, Carbondale; Silvia Secchi, Southern Illinois University, Carbondale; Ross J. Guida, Southern Illinois University, Carbondale; Ann Rushing, Southern Illinois University, Carbondale, *Strategic Floodplain Reconnection for improving Flood Resilience of Illinois River Floodplain Communities.*  
**8:20** Sven Fuchs\*, University of Natural Resources and Life Sciences, Vienna, Austria; Andreas Zischg, University of Bern, Institute of Geography and Oeschger Centre

for Climate Change Research, Mobiliar Lab for Natural Risks, Switzerland; Margreth Keiler, University Bern, Institute of Geography, Switzerland, *Exposure to Landslides in the European Alps.*

- 8:40** Mamadou Y S Coulibaly\*, University of Wisconsin Oshkosh; Pauline Dibi Kangah, Tropical Geography Institute (IGT), University Felix Houphouet Boigny of Cocody ( Abidjan, Cote d'Ivoire), *Resent Flood Episodes in Abidjan, Cote d'Ivoire: Assessing the path of storm water.*  
**9:00** Bayes Ahmed\*, PhD Student, University College London (UCL), UK, *Assessing Social Vulnerability to Landslide Risks in Cox's Bazar Municipality, Bangladesh, Using Participatory Rural Appraisal Techniques.*  
**9:20** Chris West Davidson\*, University of Washington Tacoma, *Slope Stability Analyst Tool.*

## 5159. Current concepts in modern coastal and marine management (Sponsored by Coastal and Marine Specialty Group)

- Room:** Dusable, Hyatt, West Tower, Silver Level (Paper Session)  
**ORGANIZER(S):** Peter Michael Link, University of Hamburg; Jürgen Scheffran, Institute of Geography, University of Hamburg  
**CHAIR(S):** Peter Michael Link, University of Hamburg  
**8:00** Dan Friess\*, Department of Geography, National University of Singapore; Dan Richards, Department of Geography, National University of Singapore; Valerie Phang, Department of Geography, National University of Singapore, *Reconciling human and physical ecosystem services to conserve threatened coastal habitats.*  
**8:20** Adam D. Griffith\*, University of North Carolina - Charlotte; Jing Deng, University of North Carolina - Charlotte; Wenwu Tang, Ph.D., University of North Carolina - Charlotte, *Spatial agent-based modeling of coastal land ownership changes in North Carolina and South Carolina.*  
**8:40** Brian Blankespoor\*, World Bank; Susmita Dasgupta, World Bank; Glenn-Marie Lange, World Bank; Benoit Laplante, *Mangrove Forests for Coastal Protection in a Changing Climate.*  
**9:00** Jill Hamilton\*, University of Denver, *A Search for Sustainable Waters: Nevisian Marine Management through a Cultural Lens.*

## 5160. Payments for Ecosystem Services: Paths toward Sustainability (I) (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room:** Field, Hyatt, West Tower, Silver Level (Paper Session)  
**ORGANIZER(S):** Li An, San Diego State University; Conghe Song, Univ of North Carolina at Chapel Hill; Xiaodong Chen, University of North Carolina at Chapel Hill  
**CHAIR(S):** Stephen Crook, San Diego State University  
**8:00** Caitlin Toner\*, Macalester College, *Examining The Effects of Ecotourism in the Lashi Wetlands.*  
**8:20** Heng Cai\*, Louisiana State University; Nina Lam, Louisiana State University; Yi Qiang, Louisiana State University; Kenan Li, Louisiana State University; Lei Zou, Louisiana State University, *Assessing the Dynamics of Coastal Resilience Using Bayesian Networks.*  
**8:40** Li An\*, San Diego State University; Richard Bilsborrow, University of North Carolina, Chapel Hill; Xiaodong Chen, University of North Carolina, Chapel Hill; Shuang Yang, San Diego State University; Stephen Crook, San Diego State University, *Payments for ecosystem services: mechanisms behind local people's enrollment decisions.*  
**9:00** Xiaodong Chen\*, University of North Carolina at Chapel

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Hill; Li An, San Diego State University; Conghe Song, University of North Carolina at Chapel Hill, *Payments for Ecosystem Services in A Coupled Human and Natural System*.

- 9:20** Debaleena Majumdar, PhD Student\*, School of Geographical Sciences and Urban Planning; Elizabeth Mack, Assistant Professor, School of Geographical Sciences and Urban Planning; Samantha Samples, School of Geographical Sciences and Urban Planning, *Towards understanding and defining 'Green' Jobs: a comprehensive literature review*.

**5161. Migration in China (I): The Social and Cultural Impact (Sponsored by China Specialty Group, Population Specialty Group)**

*Room:* Horner, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Youqin Huang, SUNY - Albany; Shenjing He, The University of Hong Kong

CHAIR(S): Shenjing He, The University of Hong Kong

- 8:00** Youqin Huang\*, SUNY Albany; Zai Liang, SUNY Albany; Qian Song, SUNY Albany, *Migrants' Family Arrangement and Their Children's School Performance in China*.

- 8:20** Eric Fong\*, Chinese University of Hong Kong and University of Toronto; Wenyang Su, Chinese University of Hong Kong; Yuying Tong, Chinese University of Hong Kong, *Place Identity of Migrant Children in Urban China*.

- 8:40** Jun Wang\*, City University of Hong Kong; Yan Li, Dept of Public Policy, City University of Hong Kong, *"I want this place to survive and thrive": territorialization, moral citizenship and the mobile cultural labours in China*.

- 9:00** Junxi Qian\*, South China Normal University, *Migrants' inhabitation of religiosity: Christianity and negotiated empowerment in Shenzhen's Gospel Village*.

- 9:20** Dror Kochan\*, East-Asian Studies Department, The Hebrew University, *The Development and Impact of Migrants' 'Spatial Identity' in Contemporary Chinese Cities*.

**5162. Political enactment: learning, improvising, experimenting 1**

*Room:* McCormick, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Alex Jeffrey, University of Cambridge; Colin McFarlane, Durham University; Alex Vasudevan

CHAIR(S): Alex Jeffrey, University of Cambridge

- 8:00** Dan Swanton\*, University of Edinburgh, *Encounters, 'situations' and enacting a politics of living with difference: building multicultural infrastructures*.

- 8:20** Susannah Bunce\*, University of Toronto - Scarborough, *Pursuing Urban Commons: Activism and Organization of the East London Community Land Trust*.

- 8:40** Michele Lancione\*, University of Cambridge, *Inertia creeps. Micro-politics of eviction, enactment, entanglement*.

- 9:00** Tariq Jazeel\*, University College London; Maite Conde, University of Cambridge, *Still Kicking Off in Brazil? Space, politics and new political enactments in post 2013 Sao Paulo*.

- 9:20** Katharine Neilson Rankin, Professor\*, University of Toronto; Pushpa Hamal, University of Toronto; Tulasi Sharan Sigdel, Nepal Administrative Staff College, *Infrastructure, Political Subjectivity and "Post-Conflict" Restructuring: Improvising New Nepal*.

**5164. Material Culture and Geography I: Cities, Towns, and Structures (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)**

*Room:* Wright, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Sara Beth Keough, Saginaw Valley State University

CHAIR(S): Sara Beth Keough, Saginaw Valley State University

- 8:00** Timothy Gene Anderson\*, Department of Geography, Ohio University, *Habsburg Colonial Policy, Material Culture and Ethnicity in the Danube Swabian Landscapes of the Romanian Banat*.

- 8:20** Christa Smith\*, Clemson University, *Tiny Houses, Big Solutions: Homelessness and the Tiny House Movement in Austin, Texas*.

- 8:40** Jennifer Lee Immich, Ph.D.\*, University of Minnesota, *Conceptualizing Meaning in the Material Culture of Timber Castles*.

- 9:00** Henry W. Lawrence\*, Edinboro Univ of Pennsylvania, *The roots of suburbia in early modern Europe*.

- 9:20** Janna R. Caspersen\*, University of Tennessee Department of Geography; Derek H. Alderman, PhD, University of Tennessee, *Welcome to Chiraq: The Politics of Branding & Shaming through Place Name*.

**5165. Robert Raskin CyberGIS Student Competition Finalist Oral Presentation (Sponsored by Cyberinfrastructure Specialty Group)**

*Room:* Michigan A, Hyatt, East Tower, Ped Path (Panel Session)

ORGANIZER(S): Eric Shook, Kent State University; Qunying Huang, University of Wisconsin - Madison; Wenwu Tang, University of North Carolina at Charlotte

CHAIR(S): Eric Shook, Kent State University

**5166. Agriculture in a Changing Climate - Part I: A Look at Climate Impacts on Crop Productivity and Sustainability Across Sub-Saharan Africa (Sponsored by Africa Specialty Group, Development Geographies Specialty Group, Geographies of Food and Agriculture Specialty Group)**

*Room:* Michigan B, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): John T. Hayes, Salem State University; Leah Mungai

CHAIR(S): John T. Hayes, Salem State University

- 8:00** Leah Mungai\*, Salem State University, *Use of DSSAT - CERES-Maize Crop Simulations to Predict Climate Impacts on Maize Yields for the East Africa Region*.

- 8:20** Asher Siebert\*, Rutgers University, *Analysis of Future Potential of Index Insurance in West Africa using CMIP5 GCM results*.

- 8:40** John T. Hayes, Ph.D.\*, Salem State University, *Crop Productivity Modeling for Climate Change Adaptation and Food Security Research: A Review and Assessment*.

- 9:00** William Y. Osei\*, Algoma University, *Sustainable Agriculture and Environment Change: The way for Africa*.

- 9:20** Joseph P. Messina\*, Michigan State University, *Agricultural Innovation and Scaling: a case study in Malawi*.

**5167. Care Ethics and Social Movements (I): Multi-species Interdependency, Intersectionality, and Radical Social Change (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Animal Geography Specialty Group)**

*Room:* Michigan C, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Kathryn Gillespie, University of Washington; Amy Piedalue, University of Washington; Patricia J. Lopez, Dartmouth College

CHAIR(S): Kristy Copeland

- 8:00** Brandon Barclay Derman, PhC\*, University of Washington, *Relational radicalism in the Anthropocene: climate justice and care ethics*.

- 8:20** Kristy Copeland\*, University of Washington, *The Role of Care in the U.S. Immigration Reform Movement*.

- 8:40** Jennifer Gaddis, Assistant Professor\*, University of Wisconsin - Madison, *Radical lunchladies: care ethics and food justice in the National School Lunch Program*.

- 9:00** Amy Piedalue\*, University of Washington, *Enacting Plural Resistance: a Care Ethical Approach to Solidarity in*

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*Anti-Violence Movement.*

- 9:20** Juno (Rheana) Salazar Parrenas, PhD\*, Ohio State University, *The Ethics of Care and Decolonization at the Interface of Species Loss: Orangutan Rehabilitation on Borneo.*

**5168. Hybrid knowledges and embodied experiences in the spaces of development - Session 1 (Sponsored by Development Geographies Specialty Group)**

*Room:* Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Paola Minoia, University of Helsinki; Mark Griffiths, University of Oulu

CHAIR(S): Paola Minoia, University of Helsinki  
Introducer: Mark Griffiths

- 8:05** Johanna Hohenthal\*, University of Helsinki; Paola Minoia, University of Helsinki; Belinda Andersson, University of Helsinki; Petri Pellikka, University of Helsinki, *Community knowledge in catchment management studies - case of Taita Hills, Kenya.*

- 8:25** Ingrid L. Nelson\*, University of Vermont, *Cutting Deals and Planting Lies? The Work of Rumor in Mozambique's Forest Landscapes.*

- 8:45** Joseph Pierce, PhD\*, FSU, *Situating Knowledge of African Urban Political Ecology: Exploring the Challenges.*

- 9:05** Joshua M. Mullenite\*, Florida International University, *Tension, Anxiety, and Heterogeneity in Technical Assistance: The University of Florida and USAID in Guyana.*

Discussant(s): Mara Jill Goldman, University of Colorado; Paola Minoia, University of Helsinki

**5169. Experimental Developments (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)**

*Room:* Randolph, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Marc Boeckler; Sophie Webber, University of British Columbia

CHAIR(S): Carolyn Prouse, University of British Columbia

- 8:00** John Thomas Westerman\*, Portland State University, *What can be learned from the failures of development: a case study of a pump failure in Garibak, Tajikistan..*

- 8:20** Sophie Webber\*, University of British Columbia; Carolyn Prouse, University of British Columbia, *Competing circuits of 'capital' and 'truth' in experimental development.*

- 8:40** Yuko Aoyama\*, Clark University; Balaji Parthasarathy, International Institute of Information Technology, Bangalore, : *Experimental Hybridity for Social Innovation: Collaborations between for-profit and non-profit organizations in India.*

- 9:00** Adam Mahoney\*, University of British Columbia, *Development in mining, mining in development: Experimental shifts in public and private responsibilities.*

- 9:20** Dorothee Niebuhr\*, Goethe University Frankfurt, *Experimenting with markets: The making of Global Value Chains in the Global South.*

**5175. Cultural Geographies of Crime, Fear, and Place Representation**

*Room:* Lucerne 3, Swissôtel, Lucerne Level (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Angela Sakrison, Arizona State University

- 8:00** Viviana Buitron Cañadas, Geogr.\*, Friedrich-Alexander Universität Erlangen-Nürnberg, *The Perception Game in a Colonization Area: From an Own Livelihood Strategy towards a Common One.*

- 8:05** Liyun Qian\*, Macau University of Science and Technology, *From Tradition to Modernity and back again: Place and Cultural Production in Chinese Purple Sand Pottery Producing.*

- 8:10** Paola Rattu\*, University of Lausanne, Institute of Geography and Sustainability, *Sexuality, reproduction and biopower : a research on LGBTQ procreation and parenting.*

- 8:15** Mitchell De León\*, University of Puerto Rico, *The Geography of Reggaetón: Music, Space and Resistance throughout the Cultural Carnavalesque..*

- 8:20** Betsy Breyer\*, University of Illinois, *Tracing connections between ruderal vegetation and the foreclosure crisis.*

- 8:25** Yi Ling Chan\*, University of Louisville; Wei Song, University of Louisville, *Correlation Between Crime and Vegetation: A Case Study of Jefferson County, Kentucky.*

- 8:30** Gregory Breetzke, Dr\*, University of South Africa, *Understanding the magnitude and spatial extent of crime in post-apartheid South Africa.*

- 8:35** Zhihang Dong, Undergraduate Student, Research Assistant\*, The Pennsylvania State University; Alexander Klippel, Associate Professor, The Pennsylvania State University; Mark Simpson, Graduate Student, The Pennsylvania State University, *Integration of Space Syntax and Sociological Analysis in Modern Urban Crime Analysis: An Interdisciplinary Approach.*

- 8:40** Juniper L Dempsey\*, University of Louisville, *Power, Fear and Violence in the reconstruction efforts in Post-Tsunami Sri Lanka.*

- 8:45** Angela Sakrison\*, Arizona State University, *The Beasts of Sea Level Rise: Sensing the Affect of Climate Change Through Film.*

**5176. Urban Elites I (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**

*Room:* Alpine 1, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Bas Van Heur, Vrije Universiteit Brussel; David Bassens, Vrije Universiteit Brussels

CHAIR(S): David Bassens, Vrije Universiteit Brussels

- 8:00** Marie Gibert\*, University of Evry Val d'Essonne, UMR Prodig (Paris); Gabriel Fauveaud\*, Université De Montreal, *Urban Elites Strategies in Ho Chi Minh City and Phnom Penh: Navigating Between Public and Private Spheres.*

- 8:15** Sin Yee Koh, City University of Hong Kong; Bart Wissink\*, City University of Hong Kong; Ray Forrest, City University of Hong Kong, *Urban Elites in Hong Kong: From Colonial Spaces to the 1% City.*

- 8:35** Lidia KC Manzo\*, Politecnico di Milano University, *«Super-Rich people in Park Slope send their nannies to work in food co-op!» Progressive consumption and the display of wealth in gentrified Brooklyn..*

- 8:50** Samantha Schulz, Flinders University, South Australia; Iain M. Hay\*, Flinders University, South Australia, *Taking up Caletrio's Challenge. Investigating Eliteness through the Films of Jamie Johnson..*

- 9:10** Fabio Vanin\*, Vrije Universiteit Brussel, *Cities of fear: comparing contemporary housing models for urban elites in Porto Alegre, Brussels and the Veneto Region.*

- 9:25** Niall Anselm Cunningham, Dr\*, University of Manchester; Mike Savage, Prof, Department of Sociology, London School of Economics, *The Secret Garden: Contemporary Metropolitan Geographies of the British Elite.*

**5177. Food Sovereignty and Food Security I: Global Perspectives (Sponsored by Cultural and Political Ecology Specialty Group)**

*Room:* Alpine 2, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Kilian Nasung Atuoye, University of Western Ontario

- 8:00** Kidan Araya, B.A.\*, University of Washington at Seattle, *Examining Claims of Food Justice and Food*

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*Sovereignty in the International Development Agenda.*

- 8:20** Kilian Nasung Atuoye\*, University of Western Ontario; Vincent Z. Kuuire, Western University; Joseph Kangmenaaang, Western University; Roger Antabe, Western University; Frederick Armah, Western University; Isaac Luginaah, PhD, Western University, *Impact of remittance on food security in Upper West Region of Ghana.*

- 8:40** Roger Antabe\*, University of Western Ontario; Kilian Atuoye, University of Western Ontario; Vincent Z. Kuuire, University of Western Ontario; Isaac Luginaah, PhD, University of Western Ontario, *The Impact of Household Food Security Status on NHIS Enrolment in Upper West Region of Ghana.*

**5178. Citizenship Geographies (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Political Geography Specialty Group, European Specialty Group)**

*Room:* Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): David Trimbach, University of Kansas

CHAIR(S): David Trimbach, University of Kansas

- 8:00** Jeff Garmany\*, King's College London, *Stringing along the state: Tactics of citizenship in northeast Brazil.*

- 8:20** John Saunders\*, York University, *Laneways as Gateways: Negotiating the Right to the City through Toronto's Victor Jara Lane.*

- 8:40** Ruth Alice Houghton\*, Durham Law School, *From the steps of St Paul's to the Court of Appeal: Where is citizenship?*

- 9:00** John Biersack\*, University of Kansas, *From the Donbas to Novorossia: The Creation of a Self-Proclaimed State and Citizenry.*

- 9:20** David Trimbach\*, University of Kansas, *Citizenship Capital in Narva, Estonia.*

**5180. Consuming the Anthropocene I (Sponsored by Cultural and Political Ecology Specialty Group)**

*Room:* Grindelwald, Swissôtel, Lucerne Level (Paper Session)

ORGANIZER(S): Michael K Goodman, University of Reading; Alexandra Sexton, King's College London

CHAIR(S): Alexandra Sexton, King's College London

- 8:00** Sally Eden\*, University of Hull; Lewis Holloway, University of Hull, *Digital tools for changing consumption and moving away from the Anthropocene.*

- 8:20** Naomi Horst\*, University of Guelph; Roberta Hawkins, University of Guelph; Jennifer J. Silver, University of Guelph, *Ethical Consumption? There's an App for That: The role of crowd-sourced mobile technologies in everyday consumption practices.*

- 8:40** Bradley Wilson, Ph.D.\*, West Virginia University, *Can the Subaltern Certify? Peasant Politics in an Age of Certification Enclosures.*

- 9:00** Megan K Blake\*, University of Sheffield, *Consuming "safe" and "healthy" food in Hong Kong: Neoliberalism, supermarketisation, and the biopolitics of diet.*

- 9:20** Michael K Goodman\*, University of Reading; Emma-Jayne Abbotts, University of Wales Trinity Saint David, *Affective Austerity: Virtual Food Mediation in the Anthropocene.*

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## 5201. Complex Place Attachments - Migration and Cities 2 (Sponsored by Cultural Geography Specialty Group, Ethnic Geography Specialty Group)

- Room:* Skyway 260, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Jorg Ploger, ILS - Research Institute for Regional and Urban Development; Anna-Lisa Müller, University of Bremen  
 CHAIR(S): Anna-Lisa Müller, University of Bremen  
 Introducer: Jorg Ploger  
**10:05** Ave Lauren\*, University of Cambridge, *Global citizens and local aliens: Place-making practices in the San Francisco Bay Area.*  
**10:24** Marius Otto\*, Cultural Geography, RWTH Aachen University; Carmella Pfaffenbach\*, Cultural Geography, RWTH Aachen University, *International Bohemians in the Land of "Poets and Thinkers" - Incorporation, Networks and Patterns of Belonging of Highly Skilled Migrants in North Rhine-Westphalian Cities.*  
**10:43** Sophie Katharine Yarker\*, Newcastle University, *Stewardship of place: the role of commitment and contribution for migrant sense of local belonging.*  
**11:02** Sandrine Jean\*, Memorial University of Newfoundland, *Revisiting Place Attachment in Middle-Class Neighbourhoods of Montreal's Metropolitan Region.*  
**11:21** Robin Finlay\*, Newcastle University, *A 'Homing Desire' for the Diaspora Space: The Moroccan Diaspora in Granada, Spain..*

## 5202. Examining the Social Coast II (Sponsored by Coastal and Marine Specialty Group)

- Room:* Skyway 261, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Thomas Crawford, Saint Louis University; Enid L. Lotstein, Hofstra  
 CHAIR(S): Thomas Crawford, Saint Louis University  
**10:00** Dave Lemberg, PhD, AICP\*, Western Michigan University, *Coastal Access for Sea Kayaks - Issues of Location and Conflict Resolution.*  
**10:20** Richard C. Daniels, GISP\*, Washington State Department of Transportation; Karina I. Murphy, CSP, Safety, Health and Environmental System, *Trending Now: Using Social Media to Detect Environmental Change in Coastal Washington.*  
**10:40** Maritza Barreto\*, University of Puerto Rico-Rio Piedras, *Informal Science Education as a tool to engage communities to understand Beach Processes in Puerto Rico (2013-2015)..*  
**11:00** Mary Ann Rozance\*, Portland State University; Diana Denham, Portland State University; Sarah Kidd, Portland State University, *Planning and practice in the Restoration Economy.*

## 5205. New Economic Geographies of Resources and the Environment I: The technologies and metrics of resource making (Sponsored by Political Geography Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)

- Room:* Skyway 272, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Caitlin Mcelroy, Oxford University; Kärge Kama, University of Oxford; Janelle Knox-Hayes, Georgia Institute of Technology  
 CHAIR(S): Caitlin Mcelroy, Oxford University  
**10:00** Stefan Ouma, Dr.\*, Goethe University Frankfurt, *Making Space for Capital? Global Resource Territories, Foreign Investment and the Heterogeneous Politics of Market-oriented Agriculture in Tanzania.*  
**10:20** Kärge Kama\*, University of Oxford, *Recalcitrant Resources? The Geophysical and the Economic in Unconventional Energy Development.*  
**10:40** Irem Kok\*, University of Oxford, Department of Geography and the Environment, *Technologies and Financing of American Shale Boom.*

- 11:00** LOUISE CARVER\*, Birkbeck, *Performing value: the transformative effects of the DEFRA biodiversity offsetting metric.*  
 Discussant(s): Janelle Knox-Hayes, Georgia Institute of Technology

## 5206. Contemporary Geography Education Studies II (Sponsored by Graduate Student Affinity Group, Ethnic Geography Specialty Group)

- Room:* Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Graciela Sandoval  
 CHAIR(S): Thomas Larsen, Kansas State University  
**10:00** Kathryn L. Hannum\*, Kent State University, *Galician Language Subordination: Socio-political Implications of Language Standardization in Urban and Rural Galicia.*  
**10:20** Graham Pickren\*, University of British Columbia, *Critical Pedagogy in an English as a second language (ESL) setting.*  
**10:40** Alexandra Bozheva\*, University of Western Ontario, *Multicultural Canada: Welcome-ability of Canadian Cities and Universities and Well-being of International Students.*  
**11:00** Liz Taylor, PhD\*, University of Cambridge, *Representations of Japan in English geography textbooks 1850-2000.*  
**11:20** Thomas B Larsen\*, Kansas State University, *Learning Progressions in Human Geography and K-12 Student Sociocultural Backgrounds.*

## 5208. Exploring the subsumption of nature: real and/or formal? (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)

- Room:* Skyway 282, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Wim Carton; Erik Jönsson, Lund University  
 CHAIR(S): Eric Clark, Lund University  
**10:00** Victor Lorentz\*, University of Toronto, *Eco-financial securities: theorizing nature's real subsumption.*  
**10:20** John Elrick\*, UC Berkeley, *Visionary Politics: Environmental Data, Urban Government, and the Machinery of Representation.*  
**10:40** Wim Carton\*, Lund University, Department of Human Geography, *A policy of subsumption? Biomass and the production of nature under technology-neutral climate policy.*  
**11:00** Erik Jönsson\*, Lund University, *On Magic Meatballs and Sphincter Windows: In vitro meat and the mirage of a smooth subsumption of nature..*  
**11:20** Christopher R. Cox, PhD Student/Teaching Associate\*, Department of Geography, University of Washington, *The Organizational Subsumption of Nature.*

## 5209. The "3.11" Japanese Triple Disaster: The Earthquake, Tsunami, and Nuclear Radiation in 2011 (Sponsored by Asian Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

- Room:* Skyway 283, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Unryu Suganuma, J. F. Oberlin University  
 CHAIR(S): Pradyumna P. Karan, University of Kentucky  
**10:00** Todd Stradford, Ph.D.\*, UW-Platteville, *The Village of Taro and the 2011 Tsunami.*  
**10:20** Tomoko Yamazaki\*, Iwate University, *The Case of Two Tsunami Story Tellers Who Experienced Tsunami Disasters Twice in Their Lifetime.*  
**10:40** Kenji Yamazaki\*, Iwate University, *Education for Disaster management: An Essential Factor to Mitigate Damage.*  
**11:00** Unryu Suganuma\*, J. F. Oberlin University; Unryu Suganuma\*, J. F. Oberlin University, *Tepco and Nuclear Energy Politics in Japan.*  
 Discussant(s): Pradyumna P. Karan, University of Kentucky

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## 5210. Shrinking Cities from marginal to mainstream (2nd Session)

- Room:** Skyway 284, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Ivonne AUDIRAC, University of Texas - Arlington; Emmanuèle Cladie Cunningham Sabot, Ecole Normale Supérieure  
 CHAIR(S): Emmanuèle Cladie Cunningham Sabot, Ecole Normale Supérieure  
**10:00** Joshua Warkentin\*, University of Waterloo - Waterloo, ON, *Planning for Slow Growth and Decline: The Canadian Experience.*  
**10:20** James Murdoch\*, University of Texas at Arlington; Ivonne Audirac, PhD, University of Texas at Arlington, *Specialized Vs. Diversified: The Role of Neighborhood Economies in Urban Decline.*  
**10:40** Manuel Wolff\*, Helmholtz Centre for Environmental Research - UFZ, *Urban sprawl and shrinkage - spatiotemporal patterns in Europe 1990 - 2010.*  
**11:00** Ivonne AUDIRAC\*, University of Texas - Arlington, *US Policy Responses to Shrinking Cities: From Social and Micro-Entrepreneurialism to Lean Urbanism..*  
 Discussant(s): Emmanuèle Cladie Cunningham Sabot, Ecole Normale Supérieure

## 5211. The Environmental City II

- Room:** Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)  
 ORGANIZER(S): Kris Bezdecny, Wright State University - Dayton, OH; Kevin W. Archer, Central Washington University  
 CHAIR(S): Kris Bezdecny, Wright State University - Dayton, OH  
**10:00** Anne-Marie Hanson, PhD\*, University of Illinois - Springfield, *Nature, global garbage and women's activism in small coastal cities of Yucatán.*  
**10:20** Rachel Russell, PhD\*, University of Wisconsin-Green Bay, *The Impact of Socioeconomic Marginality, Settlement Formality, and Geographic Marginality on Access to Wastewater Infrastructure in Tijuana, Mexico.*  
**10:40** Ivana Kajtezovic Blankenship, M.A.\*, Tampa Bay Water; Alison Adams, PhD, Tampa Bay Water; Tirusew Asefa, PhD, Tampa Bay Water, *A tale of integrated water supply planning: meshing socio-economic, policy, governance, and sustainability desires together.*  
**11:00** Joshua Cousins\*, University of Michigan, *What is stormwater? Transforming a hazard into a beneficial resource.*  
**11:20** Kevin W. Archer\*, Central Washington University, *Re-engineering Seattle's River: What to Restore?.*

## 5213. Contemporary Farming in the United States (Sponsored by Rural Geography Specialty Group, Landscape Specialty Group, Geographies of Food and Agriculture Specialty Group)

- Room:** Columbus AB, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Chris Laingen, Eastern Illinois University  
 CHAIR(S): Chris Laingen, Eastern Illinois University  
**10:00** Chris Laingen\*, Eastern Illinois University, *The Corn Belt's Quiet Transformation.*  
**10:20** John C. Hudson\*, Northwestern University, *Farm Types and Urban Proximity in the United States.*  
**10:40** John A. Cross\*, University of Wisconsin-Oshkosh, *Wisconsin Dairy Farmers' Perceptions and Responses to Environmental and Economic Issues.*  
**11:00** Bradley C. Rundquist, Ph.D.\*, University of North Dakota; Brett Goodwin, Ph.D., University of North Dakota, *Recent Changes in Crop Diversity in the Red River Valley, North Dakota and Minnesota.*  
**11:20** Roger F. Auch\*, United States Geological Survey, *Human Drivers and Biophysical Changes Affecting Contemporary Cropping Proportions in the Eastern Northern Plains of the U.S..*

## 5214. Is hope radical? Creative methods, experimental politics and diverse adventures in living through environmental change (Sponsored by GeoHumanities Theme)

- Room:** Columbus CD, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Harriet Hawkins; Anja Kanngieser, Goldsmiths College, University of London  
 CHAIR(S): Harriet Hawkins  
**10:00** Eric Magrane\*, University of Arizona, *Biosphere 2, Poetry, and the Anthropocene.*  
**10:20** Anita McKeown\*, NCAD, *The Ice Cream Olympics; a playful experimental approach to the personal is political.*  
**10:40** Joe Gerlach\*, University of Oxford, *Spinoza and 'sumak kawsay'; radical hope or an inadequate idea?.*  
**11:00** Maleea Acker\*, University of Victoria, *Maybe Here, Maybe Not: an Exploration of the West.*  
 Discussant(s): Sasha H. Engelmann, University of Oxford; Anja Kanngieser, Goldsmiths College, University of London

## 5216. Commemoration, Politics, and Violence II (Sponsored by Cultural Geography Specialty Group)

- Room:** Columbus G, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Cadey Korson  
 CHAIR(S): Christopher W. Post, Kent State University  
**10:00** Sara N. Hughes\*, University of California - Los Angeles, *Construction as Commemoration: Memorializing Violence through West Bank Settlement Construction.*  
**10:20** Joern Langhorst\*, University of Colorado Denver, College of Architecture and Planning, *Constructing Pasts: Memorials and the Spatialization of Meaning, History and Discourse.*  
**10:40** Kara Dempsey\*, DePaul University, *Politics, place, commemoration and reconciliation.*  
**11:00** Dagmar Zadrazilova\*, University of Cambridge, *Tempelhof Airport within Berlin's Historical and Cultural Topography.*  
**11:20** Cadey Korson, MA\*, Kent State University, *The Geopolitics of Commemoration: A Case Study of Jean-Marie Tjibao.*

## 5217. (De)Sexualisation & (De)Pornification of Space VI: Consuming/Producing/Regulating Sexualised Spaces (Sponsored by Sexuality and Space Specialty Group)

- Room:** Columbus H, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Paul J. Maginn, University of Western Australia; Emily Cooper, Lancaster University; Martin Zebracki, University of Leeds  
 CHAIR(S): Emily Cooper, Lancaster University  
**10:00** Katie Hail-Jares\*, Georgetown University, *Meeting the New Neighbors: Trans- Identity, Sex Work, and Gentrification in the Nation's Capital.*  
**10:20** Curtis Winkle\*, University of Illinois at Chicago, *The Dynamics Gay Commercial Districts and Their Regulation, Chicago 1920-2010.*  
**10:40** Ingrid Olson, PhD Candidate\*, University of British Columbia, *The Hermeneutics of the Dungeon.*  
 Discussant(s): Emily Cooper, Lancaster University

## 5218. Livelihoods, vulnerability and resilience in South and South East Asian Deltas (Part 2) (Sponsored by Hazards, Risks, and Disasters Specialty Group)

- Room:** Columbus JJ, Hyatt, East Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Amelie Bernzen, University of Cologne, Institute of Geography; J. Craig Craig Jenkins, Ohio State University; Boris Braun, University of Cologne  
 CHAIR(S): Amelie Bernzen, University of Cologne, Institute of Geography  
**10:00** J. Craig Craig Jenkins\*, Ohio State University, *Climate Change Adaptation in Coastal Bangladesh.*  
**10:20** Joyce J Chen, PhD, The Ohio State University; Kathryn R Dotzel\*, The Ohio State University, *Migration and Climate Variability.*

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**10:40** ANDRES PAYO, Dr\*, University of Southampton; Attila Lazar, Dr, University of Southampton; Craig Hutton, Dr., University of Southampton; Robert Nicholls, Prof., University of Southampton, *Assessing the time scale response of an integrated model of Health, Livelihoods, Ecosystem Services and Poverty in The Ganges-Brahmaputra-Meghna Delta.*

**11:00** Matthias Garschagen, Dr.\*, United Nations University, Institute for Environment and Human Security, *Change, resilience and crises prevention in the Vietnamese Mekong Delta: The need for rethinking concepts and policies.*

## 5219. A World After Climate Change and Culture-Shift: An Imaginative Geography of an "After" World

**Room:** *Columbus KL, Hyatt, East Tower, Gold Level* (Panel Session)  
ORGANIZER(S): James R. Norwine, Texas A&M - Kingsville  
CHAIR(S): James R. Norwine, Texas A&M - Kingsville  
Introducer: James R. Norwine  
Discussant(s): Niem Huynh, Association of American Geographers

Panelists: John Lawrence Davenport, Oklahoma State University; İlhan Kaya, Yildiz Technical University; Yilmaz Ari, Balikesir Universitesi; Mark D. Bjelland, Calvin College; L. Renee Ness, Texas State University; Gladden Pappin, University of Notre Dame; Jonathan M. Smith, Texas A&M; Anke Uhlenwinkel, University of Giessen; Koko Warner, United Nations University

## 5220. Class and Space 2: Remaking classed localities in the post-crash city

**Room:** *Grand A, Hyatt, East Tower, Gold Level* (Paper Session)  
ORGANIZER(S): Emma Jackson, Goldsmiths; Kirsteen Paton, University of Leeds  
CHAIR(S): Alex Schafran

**10:00** Ala Sirriyeh\*, Keele University, *'The Great Meeting Place': Class, regeneration and rights to 'Bradford Beach'.*

**10:20** Emma Jackson\*, Goldsmiths, *Class, multicultural and the bowling alley: Contested imagined futures of a reshaped locality.*

**10:40** Kirsteen Paton, Dr\*, University of Leeds, *A sporting chance? territorial stigmatisation, gentrification and the performance of value: Glasgow 2014 Commonwealth Games.*

**11:00** Sarah Leaney\*, University of Sussex, *The British Housing Estate and "Being Place(d)": The Affective Consequences of Stigmatized Selfhood..*

**11:20** Roger Burrows\*, CUCR, Goldsmiths, University of London; Simon Parker\*, University of York, UK; Rowland Atkinson, University of Sheffield, UK, *A new city for Croesus? Money-power, elites and space.*

## 5221. Exercise and environment: new geographies of the exercise experience 2

**Room:** *Grand B, Hyatt, East Tower, Gold Level* (Paper Session)  
ORGANIZER(S): Alan Latham, University College London; Russell S. Hitchings, UCL  
CHAIR(S): Russell S. Hitchings, UCL

**10:00** Stanley Blue\*, University of Manchester - Manchester, *Learning Exercise Routines and Habits: Lessons on Embodying Practice from the World of Combat Sports.*

**10:20** Kai Syng Tan\*, Leeds College of Art, *Running (In) Your City.*

**10:40** Miranda Ward\*, Royal Holloway, University of London, *Bodies of Water.*

**11:00** Jo Little\*, University of Exeter, *'My tracker is my best fitness partner': Running, technology and environment in the disciplining of women's bodies.*

**11:20** Alan Latham\*, University College London; Russell Hitchings, University College London, *Exercise and Environment: Some Reflections.*

## 5222. Rethinking redundancy 2: Necessity, excess and uncertain futures

**Room:** *Grand C/D North, Hyatt, East Tower, Gold Level* (Paper Session)  
ORGANIZER(S): Chantel Carr, University of Wollongong; Chris Gibson, University of Wollongong

CHAIR(S): Chantel Carr, University of Wollongong

**10:00** Caroline Savage\*, Indiana State University, *The U.S. Rust Belt: Economic Cohesion and Sustainable Solutions.*

**10:20** Chantel Carr\*, University of Wollongong, *Steel and its other stories.*

**10:40** Galina Gornostaeva, Dr\*, University of Westminster; Alison Rieple, Prof, University of Westminster, *The fashion/apparel industry in the UK and its contribution to regional trends.*

**11:00** Elyse Stanes\*, Australian Centre for Cultural Environmental Research, University of Wollongong, *Re-dressing cycles of excess and redundancy.*

**11:20** Wendy S. Shaw\*, University of New South Wales, *Trashion Treasure: Obsession With The Allure And Re-functioning of Discarded Objects.*

## 5224. Industrial Location

**Room:** *Grand E/F, Hyatt, East Tower, Gold Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Glen Norcliffe, York University

**10:00** Li Zhibin\*, Peking University, *Suitability Assessment of Land for Industrial Use at Village Level.*

**10:20** Elena Goracinova\*, University of Toronto; Peter Warrian, PhD, University of Toronto, *Advanced Manufacturing in Ontario - the role of collaborative R&D initiatives.*

**10:40** Gabriel Granco\*, Kansas State University; Ana Claudia Sant'Anna, Kansas State University; Jason S. Bergtold, Kansas State University; Marcellus M. Caldas, Kansas State University, *Spatial explicit model of ethanol plant location in the Brazilian Cerrado.*

**11:00** Eva Kiss\*, Hungarian Academy of Sciences, *New Trends in the Hungarian Industry After the Crisis.*

**11:20** Glen Norcliffe\*, York University; Mick Dunford, University of Sussex; Boyang Gao, Central University of Finance and Economics, *Capturing Gains in Relocated Global Supply Chains: The Case of Chongqing's Computer Notebook Industry..*

## 5225. 'The Present': Session 2 (Sponsored by Cultural Geography Specialty Group)

**Room:** *Grand Suite 2 AB, Hyatt, East Tower, Gold Level* (Paper Session)  
ORGANIZER(S): Ruth Raynor; Ben Anderson, Durham University

CHAIR(S): Ben Anderson, Durham University

**10:00** Derek McCormack\*, University of Oxford, *of Present Circumstances.*

**10:20** Rebecca Coleman\*, Goldsmiths, University of London, *Text(ure)s of the Present: (Infra)Structures of Feeling.*

**10:40** Ben Anderson\*, Durham University; Ruth Raynor\*, University of Durham, *Scene: The Present Tensed.*

**11:00** Carolyn Pedwell, Dr\*, University of Kent, *In)habiting the Present: Habit, temporality and social transformation.*  
Discussant(s): Lauren Berlant, University of Chicago

## 5226. Cases, spaces and situations (Sponsored by Qualitative Research Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

**Room:** *Grand Suite 3, Hyatt, East Tower, Gold Level* (Panel Session)  
ORGANIZER(S): Clive Barnett, University of Exeter; Murray M. Low, London School of Economics

CHAIR(S): Felicity Callard, Durham University

Panelists: Hanna Hilbrandt, The Open University; Dennis Rodgers, University of Glasgow; Gareth Jones, London School of Economics; Antoine Paccoud, London School of Economics; Crispian Fuller, Cardiff University

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## 5227. Gramsci and Geography 2 (Sponsored by Socialist and Critical Geography Specialty Group)

**Room:** *Grand Suite 5, Hyatt, East Tower, Gold Level* (Paper Session)  
 ORGANIZER(S): Marcus E. Green, Otterbein University; Joel D Wainwright, The Ohio State University  
 CHAIR(S): Joel D Wainwright, The Ohio State University  
 Introducer: Joel D Wainwright  
**10:01** Marcus E. Green\*, Otterbein University, *Subalternity and the Spatiality of Race: Gramsci, the Southern Question, and the Critique of Lorianism.*  
**10:21** Robert Carley, Ph.D.\*, Texas A&M, *Ideological Contention: Antonio Gramsci and the Connection between Race and Social Movement Mobilization in Early 20th Century Italy.*  
**10:41** Peter Ives\*, University of Winnipeg, *Gramsci and Bourdieu: Theorizing Language and Location.*  
**11:01** Nicole P. Etchart\*, University of Wisconsin-Madison, *Notes towards a Gramscian analysis of global climate change governance.*  
 Discussant(s): Marcus E. Green, Otterbein University

## 5229. Migration, Community and the Commons: Indigenous Cases (Sponsored by Indigenous Peoples Specialty Group)

**Room:** *Plaza B, Hyatt, East Tower, Green Level* (Paper Session)  
 ORGANIZER(S): RDK Herman, National Museum of the American Indian  
 CHAIR(S): Daniel Klooster, University of Redlands  
**10:00** Kate B. Schlott\*, CUNY Graduate Center, *Racialized Space: Race, Land Use, and Development in Hawaii.*  
**10:20** Veneranda Xochitl Juarez-Varela\*, Universidad Autonoma Chapingo; Luis Eduardo Guarnizo, University of California-Davis, *Indigenous women in the public sphere and male head household migration.*  
**10:40** James P Robson, Dr\*, University of Redlands; Holly Worthen, Dr, Instituto de Investigaciones Sociológicas, UABJO, Oaxaca; Daniel Klooster, Dr, Department of Environmental Studies, University of Redlands, CA, *Migration and Comunalidad: Transformations in indigenous governance systems in a biocultural hotspot of Mexico.*  
**11:00** Ryan T. Conway\*, The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis, *Resisting Commons Enclosures: from Theory to Tactics.*  
**11:20** Daniel Klooster\*, University of Redlands; James Robson, University of Redlands; Maria Guadalupe Lira Ledesma, Centro de Investigaciones en Geografia Ambiental, UNAM, *How Migration Re-Spatializes Commons Management for Indigenous Communities in Mexico.*

## 5230. When Logics Collide: The Political and Economic Geographies of Extraction - II (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

**Room:** *Soldier Field, Hyatt, West Tower, Bronze Level* (Paper Session)  
 ORGANIZER(S): Tomas Frederiksen, University of Manchester; Matthew Himley, Illinois State University  
 CHAIR(S): Tomas Frederiksen, University of Manchester  
**10:00** Matthew Himley\*, Illinois State University, *Selectively Integrated: Mining and Development in Late-19th-Century Peru.*  
**10:20** Diego Andreucci\*, Universitat Autònoma de Barcelona, *Resource governance, regulation and the state: Hegemonic struggles over gas extraction in Bolivia.*  
**10:40** John Childs\*, *Geographies of resource nationalism: the politics of justice and space.*  
 Discussant(s): Tom Perreault, Syracuse University

## 5231. The View from the Anthropocene: Measuring the Historic Human Impact on the Environment and Landscape II (Sponsored by Landscape Specialty Group, Historical

## Geography Specialty Group, Geomorphology Specialty Group)

**Room:** *Columbian, Hyatt, West Tower, Bronze Level* (Paper Session)  
 ORGANIZER(S): Katharine Johnson, University of Connecticut; Megan McCusker Hill, University of Connecticut  
 CHAIR(S): Katharine Johnson, University of Connecticut  
**10:00** Simon Goring\*, University of Wisconsin - Madison - Madison, WI; Madeline Ruid, University of Wisconsin - Madison; Charles V Cogbill, Harvard Research Forest; Michael Dietze, Boston University; Stephen T Jackson, Department of the Interior Southwest Climate Science Center; University of Arizona; Jason McLachlan, University of Notre Dame; David J Mladenoff, University of Wisconsin - Madison; Christopher Paciorek, University of California - Berkeley; Sydne Record, Bryn Mawr College; Jaclyn Matthes, Dartmouth University; John (Jack) Williams, University of Wisconsin - Madison, *Shifts in ecotones position and composition throughout the upper Midwestern United States since EuroAmerican settlement..*  
**10:20** Suzanne Elizabeth Pilaar Birch, PhD\*, University of Georgia, *Reconstructing human-mediated environmental change at the Pleistocene-"Anthropocene" transition.*  
**10:40** Trisha Jackson, PhD\*, South Dakota State University; Lilian Rebellato, PhD, UFOPA, Santarem, Para, Brazil; Denise Pahl Schaan, PhD, UFPA and CNPq, Belem, Para, Brazil, *Geochemical Imprints of Society in the Brazilian Amazon.*  
 Discussant(s): Anne Chin, University of Colorado Denver

## 5232. The 2014 Elections and 2016 Elections in the United States (Sponsored by Political Geography Specialty Group)

**Room:** *Comiskey, Hyatt, West Tower, Bronze Level* (Panel Session)  
 ORGANIZER(S): John Heppen, University of Wisconsin, River Falls  
 CHAIR(S): Fred M. Shelley, University of Oklahoma  
 Introducer: Fred M. Shelley  
 Panelists: Ryan Douglas Weichelt, University of Wisconsin-Eau Claire; Robert Howard Watrel, South Dakota State University; John Wertman, Association of American Geographers; John Heppen, University of Wisconsin, River Falls; Barney Warf, University of Kansas

## 5233. Creative Place-Making and Its Micropublics (Sponsored by GeoHumanities Theme, Cultural Geography Specialty Group)

**Room:** *Gold Coast, Hyatt, West Tower, Bronze Level* (Paper Session)  
 ORGANIZER(S): Martin Zebracki, University of Leeds; Saskia Warren, University of Manchester  
 CHAIR(S): Martin Zebracki, University of Leeds  
 Introducer: Martin Zebracki  
**10:00** Michael Rios\*, University of California - Davis, *Curating the City: Activism, Aesthetics, and the Representational Spaces of Democratic Practice.*  
**10:20** Rachel Blundell-Granger\*, Middlesex Business School, *Live-Work Units As Units of Creative Place-Making.*  
**10:40** Cara Courage\*, University of Brighton, *Moving beyond creative placemaking.*  
**11:00** Annette Koh\*, University of Hawaii at Manoa, *Urban & Regional Planning, Making the Urban "Local" in Honolulu: Ephemeral Creative Spaces in Neighborhood Development.*  
**11:20** Saskia Warren, Dr\*, University of Manchester, *Re-performing cultural governance: performance-as-action, micro-publics, and co-commissioning at the neighbourhood level.*

## 5235. Geopolitics of Water: Session II- Water Security and Scarcity

**Room:** *Picasso, Hyatt, West Tower, Bronze Level* (Paper Session)  
 ORGANIZER(S): Britt Crow-Miller, Portland State University; Afton Clarke-Sather, University of Delaware



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CHAIR(S): Afton Clarke-Sather, University of Delaware

**10:00** Mark Giordano\*, Georgetown University, *What does water security mean?*.

**10:20** Sierra Ross Gladfelter, Master's Student\*, University of Colorado, Boulder, *Constructing Crisis: The discursive framing of water scarcity and (in)security in the Himalayas*.

**10:40** Kimberley Thomas\*, Rutgers University, *Dying for Development: Foreign Aid, Flood Control, and Food Production in Bangladesh*.

**11:00** Afton Clarke-Sather\*, University of Delaware, *From Flows to Fluxes: Conceptualizing the Geopolitics of Water and Climate Change Across the Water Cycle*.

**11:20** G Thomas LaVanchy\*, University of Denver, *A Political Ecology of Groundwater & Tourism in Playa Gigante, Nicaragua*.

**5236. Historical Geographies of the Central Plains (Sponsored by GeoHumanities Theme, Historical Geography Specialty Group, Indigenous Peoples Specialty Group)**

*Room:* Water Tower, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): John T. Bauer, University of Nebraska Kearney

**10:00** Brett Chloupek\*, Northwest Missouri State University, *Toponymic Landscapes of Nebraska*.

**10:20** Kristin Sorensen\*, University of Nebraska - Lincoln, *Settlement of the Great Plains by Euro-Americans from 1854-1870..*

**10:40** Andrew G Allen\*, University of Kansas; Stephen Egbert, University of Kansas; Joshua Meisel, University of Kansas; Gabriel Begaye, University of Kansas; Paula Smith, University of Kansas, *"A Tyranny Sincerely Exercised for the Good of Its Victims: " Consequences of Land Allotment on Native Tribes of the Central Plains*.

**11:00** Stephen L. Egbert\*, University of Kansas; Paula I Smith, University of Kansas; Joshua Meisel, University of Kansas; Gabriel Begaye, University of Kansas; Andrew Allen, University of Kansas, *"Renaming the Indians" and the Assimilationist Land Allotment Program*.

**11:20** John T. Bauer\*, University of Nebraska Kearney, *Reconstructing Nebraska's Historical Population Distributions at the Sub-County Level*.

**5237. Grounding Knowledge, Assembling Policies II - Urban policy circulations in the Global South (Sponsored by Urban Geography Specialty Group, Development Geographies Specialty Group)**

*Room:* Wrigley, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Gabriel Silvestre, University College London; Luis Regis Coli, Federal University of Rio de Janeiro

CHAIR(S): Brian Garcia

**10:00** Laura Alexandra Wenz\*, University of Münster, *Worlding Cape Town by Design - Policy Mobilities and Urban Governance in the World Design Capital 2014*.

**10:20** Gabriel Silvestre\*, University College London, *Urban Visioning as Political Assemblage - urban politics and development in Rio de Janeiro 1993-2016*.

**10:40** Matthew Lane\*, Lancaster University, *Shifting Geographies of Policy Mobility: Sustainable Urban Design 'Off the Map'*.

**11:00** Luis Regis Coli\*, Federal University of Rio de Janeiro, *The chameleon agent: the Brazilian Institute of Municipal Administration and the dissemination of urban policies*.

Discussant(s): Jennifer Robinson, University College London

**5238. Changing geographies of rural health and health services (Sponsored by International Geospatial Health Research Network, Rural Geography Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* Acapulco, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Rachel Herron, Queen's University; Mark W. Rosenberg, Queen's University

CHAIR(S): Mark W. Rosenberg, Queen's University

**10:00** David G Stinchcomb\*, Westat, Inc., *Small Area Rural/Urban Measures for Health Studies*.

**10:20** Valorie A Crooks\*, Simon Fraser University; Nadine Schuurman, Simon Fraser University; Heather Castleden, Queen's University; Melissa Giesbrecht, Simon Fraser University; Mark Skinner, Trent University; Allison Williams, McMaster University, *Siting palliative care in rural Canadian communities: A mixed-method model that incorporates diverse community readiness indicators*.

**10:40** Rachel Herron\*, Queen's University, *Constraining care: Caring for persons with dementia in rural Ontario, Canada*.

**11:00** Sean C. Finnegan, MS\*, American Academy of Family Physicians, *Evidence of Rural Brain Drain in United States Physician Population*.

**11:20** Germaine Tuyisenge\*, Western University, Canada; Isaac Luginaah, PhD, Western University, Canada; Stephen Rulisa, MD, PhD, University of Rwanda, College of Medicine & Health Sciences, School of Medicine, *Barriers to Access Maternal Health Care in Rwanda*.

**5239. Watershed Management and GIS (Sponsored by International Geospatial Health Research Network)**

*Room:* Atlanta, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Wilbert Karigomba, North West Arkansas Community College

CHAIR(S): Wilbert Karigomba, North West Arkansas Community College

**10:00** Diana L Restrepo, M.A\*, The University of Kansas, *Defining Perceptions of Watershed Management in an Andean Watershed*.

**10:01** Fatma Ulku Karatas\*, Western Michigan University, *Assessment of Sediment and Nutrient Loading in the Davis Creek Watershed with Using Soil and Water Assessment Tool*.

**10:04** Harrison W. Flores-Ortiz\*, Dept. of Geography-Texas State University, TX, *Environmental and Socio-economic Considerations for Water Resources Planning and Management in Puerto Rico: The 2014's Drought*.

**10:06** Tao Tang\*, State University of New York - Buffalo State, *Impacts of air and water pollution on human health and wellbeing - GIS enabled interpolations*.

**10:10** Wilbert Karigomba\*, North West Arkansas Community College, *Multicriteria geospatial optimization approach to watershed management strategies*.

**5240. The choice for housing, working and its impact on mobility (II) - unpacking the black box. Theories, concepts and methods for the interdependent choice of residence, workplace and mobility behavior in metropolitan regions (Sponsored by Regional Development and Planning Specialty Group, Urban Geography Specialty Group, Transportation Geography Specialty Group)**

*Room:* Hong Kong, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Michael Bentlage, TU Munich; Alain Thierstein, Munich University of Technology; Frank Witlox, Ghent University

CHAIR(S): Michael Bentlage, TU Munich

**10:00** Amnon Frenkel\*, Technion - Israel Institute of Technology, *The Joint Choice of Tenure, Dwelling Type, Size and Location: The Effect of Home-Oriented versus Culture-Oriented Lifestyle*.

**10:20** Martin Schulwitz\*, Research Institute for Regional and Urban Development gGmbH; Sebastian Eichhorn, Research Institute for Regional and Urban Development gGmbH, *The cost of job-related multilocality - a theoretical approach to quantify*

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*secondary homes in North Rhine-Westphalia, Germany.*

**10:40** Jonas De Vos\*, Ghent University; Frank Witlox, Ghent University, *Do people live in urban neighbourhoods because they do not like to travel? Towards a new residential self-selection hypothesis.*

**11:00** Ida Borg\*, Department of Human Geography, Stockholm University, *“Worker mobility and the housing market: New approaches to the size of rental and owner-occupied sectors and its consequences for labor”.*

Discussant(s): Alain Thierstein, Munich University of Technology

**5241. Health Workforce Geography (Sponsored by Geographic Information Science and Systems Specialty Group, International Geospatial Health Research Network, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**

*Room:* New Orleans, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Imam Xierali, AAMC

CHAIR(S): Imam Xierali, AAMC

**10:00** Ho-Seop Cha\*, University of Missouri-Kansas City; Sunyun Choi, FNP, ANP, MSN, MS, Honor Annex at VA Medical Center, Kansas City, MO, *Spatial analysis of colon cancer with regard to its causes using GIS.*

**10:20** Imam Xierali\*, AAMC; Marc Nivet, EdD; MBA, AAMC; Xuan Shi, PhD, University of Arkansas, *Identifying Spatial Uncertainty in Physician Practice Location: A Case Study of Metro Atlanta Region.*

**10:40** Wei Tu\*, Georgia Southern University; Jun Tu, Kennesaw State University, *Investigating Urban-Rural Disparities in Preterm Birth in Georgia: An Multilevel Modeling Approach.*

**11:00** Warangkana Ruckthongsook, PhD candidate\*, University of North Texas; Joseph R Oppong, PhD, University of North Texas; Chetan Tiwari, PhD, University of North Texas, *Choice of disease mapping method: Non-parametric or model-based approach?.*

**11:20** LIANG MAO\*, University of Florida, *Ranking GIS research organizations in the US - A network analysis of 20 years' publications.*

**5242. Health and Geography**

*Room:* Regency A, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Poonam Jusrut, University of Illinois At Urbana

CHAIR(S): Jackie Luke, University of Toledo

**10:00** Melina Packer, PhD Student\*, University of California, Berkeley; Kathryn De Master, Assistant Professor, University of California, Berkeley, *Soda Taxes: Silver Bullets or Silver Linings?.*

**10:20** Jaclyn M. Hall, PhD\*, University of Florida, Department of Health Outcomes and Policy; Chris Delcher, PhD, University of Florida, Department of Health Outcomes and Policy; Mildred M. Maldonado-Molina, PhD, University of Florida, Department of Health Outcomes and Policy; Jason Lee, University of Florida, Department of Health Outcomes and Policy; W. Bruce Vogel, PhD, University of Florida, Department of Health Outcomes and Policy; Keith E. Muller, PhD, University of Florida, Department of Health Outcomes and Policy, *Understanding the Un-Mapped: Examination of the ungeocodable population within the Texas Medicaid system.*

**10:40** Guillermo Douglass-Jaimes\*, University of California, Berkeley, *How the Brazilian favela helps frame the politics of urban health in Rio de Janeiro.*

**11:00** Jackie Luke\*, University of Toledo; Brandon T. Luke\*, University of Toledo, *Toxic Release Inventory and Infant Mortality in New York State.*

**5244. Slaying the Malthusian (Water) Dragon? Critical Geographical Perspectives on Desalination II**

*Room:* Regency C, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Jamie McEvoy, Montana State University; David Sauri, Universitat Autònoma de Barcelona; Maria Fragkou, Universidad De Chile

CHAIR(S): Jamie McEvoy, Montana State University

**10:00** David Sauri\*, Universitat Autònoma de Barcelona; Santiago Gorostiza, University of Coimbra, Portugal; David Pavon, University of Girona, Spain, *Summoning the power of the ocean: The origins of desalination in Spanish water resources policy.*

**10:20** Angela Hof\*, Ruhr University Bochum / University of Salzburg; Macià Blázquez-Salom\*, Balearic Islands University, *Power struggles and regulatory aspects of desalination in Majorca (Spain).*

**10:40** Maria Hernandez\*, University of Alicante; Ana Arahuetes\*, University of Alicante; Antonio Rico, University of Alicante, *Desalination in the province of Alicante (Spain), from physical to socio-economic scarcity.*

**11:00** Margaret Wilder\*, University of Arizona; Ismael Aguilar-Barajas, Tecnológico de Monterrey (ITESM); Nicolás Pineda-Pablos, El Colegio de Sonora; Robert G. Varady, University of Arizona; Sharon B. Megdal, University of Arizona; Jamie McEvoy, Montana State University; Robert Merideth, Jr., University of Arizona; Christopher A. Scott, University of Arizona, *Desalination and Water Security at the U.S.-Mexico Border: Water, Society, and the Environment in a Binational Context.*

**11:20** Joe Williams\*, University of Manchester, *Desalination and its techno-politics: Accumulation, technological vitality and the neoliberalisation of the Pacific Ocean.*

**5245. Planning for Resilience in a Neoliberal Age - Session 2**

*Room:* Regency D, Hyatt, West Tower, Gold Level (Paper Session)

ORGANIZER(S): Angela Connelly; Paul O'Hare, Manchester Metropolitan University

CHAIR(S): Paul O'Hare, Manchester Metropolitan University

**10:00** Amit Tubi\*, Hebrew University of Jerusalem; Gillad Rosen, Dr., Hebrew University of Jerusalem, *Conceptualizing Urban Adaptation to Climate Hazards: Insights from Toronto and New Orleans.*

**10:20** Eija Susanna Meriläinen\*, HUMLOG Humanitarian Logistics Institute, Hanken, *Humanitarian organizations as catalysts for citizen resilience.*

**10:40** Sophie Blackburn\*, King's College London, *Making Waves: Shifting Social Contracts through Tsunami Rehabilitation and Recovery in South India.*

**11:00** Chloe Begg, MSc./MA\*, Helmholtz Centre for Environmental Research; Christian Kuhlicke, Dr., Helmholtz Centre for Environmental Research; Maximilian Beyer, MSc., Helmholtz Centre for Environmental Research, *Citizen responsabilisation in flood risk management: the creation of new vulnerabilities?.*

**11:20** Liza Griffin\*, UCL, *Resilience: Political or Post Political?.*

**5246. Geography Study Abroad Programs: Field Experiences from Africa 2 (Sponsored by Africa Specialty Group)**

*Room:* San Francisco, Hyatt, West Tower, Gold Level (Panel Session)

ORGANIZER(S): Francis Koti, University of North Alabama; Seth Appiah-Opoku, University of Alabama

CHAIR(S): Seth Appiah-Opoku, University of Alabama

Panelists: Seth Appiah-Opoku, University of Alabama; Susan Hume, Southern Illinois University Edwardsville; Michael Andrew Kukral, Rose Hulman Institute of Technology; Chris Benner, University of California Davis

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## 5247. Geographical Encounters with “Odd” Objects 2: Circulations (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

*Room:* Toronto, Hyatt, West Tower, Gold Level (Paper Session)  
 ORGANIZER(S): Lia Frederiksen, University of Toronto; David K. Seitz, University of Toronto  
 CHAIR(S): Lia Frederiksen, University of Toronto  
 10:00 Paul T. Kingsbury\*, Simon Fraser University, *Sherlock Holmes as Sinthome: The Literary Lives of the Stormy Petrels*.  
 10:20 Mohammed Rafi Arefin\*, University of Wisconsin-Madison; Heather Rosenfeld, University of Wisconsin-Madison; Sarah A Moore, University of Wisconsin-Madison, *Wasted Batteries*.  
 10:40 Max Andrucki\*, Temple University, *Bagpipes and production of late-colonial settler space in Kenya*.  
 11:00 Mahmood Khan\*, University of California, Los Angeles, *The film festival as geopolitical assemblage and event: the intersection of politics, economy, and culture*.  
 Discussant(s): Heidi J. Nast, DePaul University

## 5248. Author Meets Critics: Randall Wilson’s America’s Public Lands: From Yellowstone to Smokey Bear and Beyond Crystal A, Hyatt, West Tower, Green Level (Panel Session)

*Room:* ORGANIZER(S): David Havlick, University of Colorado - Colorado Springs, CO  
 CHAIR(S): David Havlick, University of Colorado - Colorado Springs, CO  
 Introducer: David Havlick  
 Discussant(s): Randall K. Wilson, Gettysburg College  
 Panelists: Geoffrey L. Buckley, Ohio University; Hannah Gosnell, Oregon State University; Julia Haggerty, Montana State Univ; Jean Lavigne, College of St. Benedict/St. John’s University

## 5249. Geography and the “Crisis of Civic Engagement in Higher Education”: Session II - Institutionalizing civic engagement: foundations & futures

*Room:* Crystal B, Hyatt, West Tower, Green Level (Panel Session)  
 ORGANIZER(S): Holly Barcus, Macalester College; Daniel Trudeau, Macalester College  
 CHAIR(S): Daniel Trudeau, Macalester College  
 Introducer: Daniel Trudeau  
 Panelists: Jonnell Allen Robinson, Syracuse University; Richard H. Schein, University of Kentucky; Timothy Hawthorne, Georgia State University; Michael R. Glass, University of Pittsburgh

## 5250. James Baldwin, spatial theorist

*Room:* Crystal C, Hyatt, West Tower, Green Level (Paper Session)  
 ORGANIZER(S): Rachel Brahinsky, University of San Francisco  
 CHAIR(S): Rashad Shabazz, The University of Vermont  
 Introducer: Rashad Shabazz  
 10:20 Eve Dunbar\*, Vassar College; Eve Dunbar, PhD, Vassar College, *The Art of Homecoming: Baldwin, Ethnographic Interiority, and Race*.  
 10:40 Leah Mirakhor\*, *Baldwin’s Transnational Intimacies and Global Cities of Surveillance*.  
 11:00 Rachel Brahinsky, Ph.D\*, University of San Francisco, *“Tell him I’m gone.” On the margins in high tech city*.  
 Discussant(s): Roderick A. Ferguson

## 5251. Regional Development Trends in China (Sponsored by China Specialty Group)

*Room:* Stetson A, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): David W. Edgington, University of British Columbia  
 CHAIR(S): Xiaoming Yao  
 10:00 Xiaoming Yao\*; Canfei He, *Spatial industry transfer and regional economic differences in China*.  
 10:20 WU AIZHI\*, Peking University; Li Guoping, Peking University, *Spatial agglomeration and regional shift of*

*textile and garment industry in China*.

10:40 Tianzi Li, Jilin University, China; Xueying Chen\*, Rutgers University, *Economic Development in Northeast China under the Framework of Regional Economic Integration*.

11:00 Yibin Xu, Graduate student\*, (1)Department of Geograhic Information Science, Geoscience and Info-physics college, Central South University, Changsha, China;(2) Department of Economics, Sun yat-sen university, Guangzhou, China; Yanhong Zou, Ph.D., Department of Geograhic Information Science, Geoscience and Info-physics college, Central South University, Changsha, China, *The Regional Economic Growth Analysis from Space-time Perspective for Hunan Province, China*.

11:20 Li Teng\*, Guangzhou University; DI CAI, Guangzhou University; Zhangping Lin, Guangzhou University, *Analysis on the Spatial Agglomeration Characteristics of the Service Industry in the Central Urban Area -Take the Case of Tianhe District, Guangzhou*.

## 5252. Big Spatiotemporal (BiST) Data Analytics - II (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Panel Session)  
 ORGANIZER(S): David Wong, University of Hong Kong; Shih-Lung Shaw, University of Tennessee  
 CHAIR(S): Shih-Lung Shaw, University of Tennessee  
 Introducer: Shih-Lung Shaw  
 Panelists: Kathleen Stewart, University of Iowa; Daniel A. Griffith, U. of Texas at Dallas; Nina Lam, Louisiana State University; Shaowen Wang, University of Illinois at Urbana-Champaign; Hui Lin, The Chinese University of Hong Kong; Ed Parsons, Google

## 5253. Issues in Environmental Planning in China (Sponsored by China Specialty Group)

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): David W. Edgington, University of British Columbia  
 CHAIR(S): Stephani Michelsen-Correa, University of Washington  
 10:00 Junyi Hua\*, The University of Hong Kong; Wendy Y. Chen, The University of Hong Kong, *Citizens’ distrust of government and their protest responses in a contingent valuation study of urban heritage trees in Guangzhou, China*.  
 10:20 Xiang Zhang\*, Nanjing University; Jiangang Xu, Nanjing University, *A research of participatory planning methods on avoiding NIMBY risks of urban facilities in Nanjing, China*.  
 10:40 Qinli Lu\*; Xianjin Huang, *Spatial Pattern of Carbon Emission Based on Enterprise Energy Consumption in Jiangsu Province, China*.  
 11:00 Stephani Michelsen-Correa\*, University of Washington, *Local Alterations to the Nitrogen Cycle Following Industrial Development as Indicated by Tree-Ring Stable Isotopes in Chinese Parasol Trees*.  
 11:20 Wei Ming Jian, professor\*, Capital Normal University Resource Environment And Tourism Management Department Beijing 100048, P.R. China, *The vegetation and climate deterioration since the middle Pleistocene at the Beijing plain and implication for Homo erectus colonization of North China*.

## 5254. Affective Ecologies, Living Economies and Alternate Ways of Valuing Nature: Session V (Ethics of Care and Affective Politics) (Sponsored by Cultural and Political Ecology Specialty Group)

*Room:* Stetson E, Hyatt, West Tower, Purple Level (Paper Session)  
 ORGANIZER(S): Neera Singh, University of Toronto; Katja

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Grotzner Neves, Concordia University; Mamta Vardhan, University of Alberta

CHAIR(S): Neera Singh, University of Toronto

**10:00** Henry Herrera\*, Center for Popular Research, Education and Policy, *Geographies of Spirit*.

**10:20** Jennifer DeMoss\*, University of Georgia, *Human-Landscape Entanglements in the Nature Connection Movement*.

**10:40** Eric J. Cunningham, Ph.D.\*, Earlham College, *Nature interrupted: ways of living and loving in the wake of volcanic eruption*.

**11:00** John Moran\*, Stanford University, *From Empty to Inhabited: Performing wetland life along Florida's Forgotten Coast*.

**11:20** Aiste Bartkiene, Dr.\*, Lithuanian University of Health Sciences; Diana Mincyte, Dr., City University of New York-NYC College of Technology, *The Ethics and Practice of Care: Rethinking Habitus*.

**5255. Investing in the Global Land Rush I: Capitalization and Contestations (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)**

*Room:* Stetson F, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Julian S. Yates, University of British Columbia; Jenny Elaine Goldstein, University of California - Los Angeles

CHAIR(S): Heather Plumridge Bedi, Dickinson College

**10:00** Tor A. Benjaminsen, Professor\*, Norwegian University of Life Sciences; Mats Widgren, Professor, Stockholm University, *Green Modernization? Scandinavian Greening of East African Economies - and its debate*.

**10:20** Leqian Yu\*, University of Toronto, *Financial reforms and the capitalization of rural land in contemporary China*.

**10:40** Alexander Vorbrugg\*, Goethe-University Frankfurt, *The Situated Political Economies of revaluing farmland in Russia*.

**11:00** Anna G. Sveinsdóttir\*, University of Denver, *Land Tenure and Tourism Development in Nicaragua: A case study from Playa Gigante*.

**11:20** Ana K. Spalding, PhD\*, Smithsonian Tropical Research Institute, *Exploring Land Tenure in Panama: Linking land policy with ideologies of development*.

**5256. Global Urban Observation VII: Urbanization Monitoring, Modeling, and Prediction from Local to Global Scales (2) (Sponsored by China Specialty Group)**

*Room:* Stetson G, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Yuyu Zhou, Pacific Northwest National Laboratory; Chunyang He, Beijing Normal University, China.

CHAIR(S): Yuyu Zhou, Pacific Northwest National Laboratory

**10:00** Qingxu Huang\*, Beijing Normal University; Chunyang He, Beijing Normal University; Bin Gao, Beijing Normal University, *Detecting city-size dynamics in China for the last two decades using DMSP/OLS nighttime data: top-down as well as bottom up approaches*.

**10:20** Zhifeng Liu\*, Center for Human-Environment System Sustainability (CHESS), Beijing Normal University; Chunyang He, Center for Human-Environment System Sustainability (CHESS), Beijing Normal University; Jianguo Wu, School of Life Sciences and School of Sustainability, Arizona State University, *General urbanization patterns of the world's cities: an empirical test of prevailing hypotheses*.

**10:40** Yuyu Zhou\*, Pacific Northwest National Laboratory, *Spatio-Temporal Dynamics of Global Urbanization: Historical and Future*.

**11:00** Guang Xing\*, Florida State University; Tingting Zhao, Florida State University, *Exploring local variations of sprawl-related factors across cities in Florida*

*metropolitan areas*.

**11:20** Lijian Han\*, Research Center for Eco-environmental Sciences, Chinese Academy of Sciences, *Fine particulate matter dynamic and its impact on public health in rapid urbanized China*.

**5257. Korean Development Politics: Past, Present, and Future**

*Room:* Addams, Hyatt, West Tower, Silver Level (Panel Session)

ORGANIZER(S): Jamie Doucette, Geography, University of Manchester

CHAIR(S): Jim Glassman, University of British Columbia

Panelists: Jamie Doucette, Geography, University of Manchester; Laam Hae, York University; Hyun Bang Shin, London School of Economics and Political Science; Bae-Gyoon Park, Seoul National University; Jung Won Sonn, University College London

**5258. Examining Hazard Risk and Vulnerability using Diverse Methods (Sponsored by Hazards, Risks, and Disasters Specialty Group)**

*Room:* Burnham, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Tim G. Frazier, University of Idaho; Laura Kathryn Siebeneck, University of North Texas

CHAIR(S): Tim G. Frazier, University of Idaho

**10:00** Fernando Jose Mendoza Jara, University of Texas at Dallas; Denis J. Dean\*, University of Texas at Dallas, *A Forest Optimization Model to Reduce the Risk of Hurricane Damage*.

**10:20** Byungyun Yang\*, University of Delaware; Chiaoing Chou, University of Clemson, *Visualizing 3-D landscape of a Flood Risk Scenario in the State Park*.

**10:40** Kate S. Nelson\*, Vanderbilt University; Mark Abkowitz, Ph.D., Vanderbilt University; Janey Camp, Ph.D., Vanderbilt University, *A Method for Creating High Resolution Maps of Social Vulnerability*.

**11:00** Clayton Frazier\*, Arkansas Tech University; Xiang Chen, Arkansas Tech University, *The Spatial Distance Decay of Public Risk Perception: A Case Study in a Nuclear Evacuation Planning Zone*.

**11:20** Brian P. McDonald\*, University of Southern California, *Dasymetric Mapping Conversion Application within HAZUS-MH: A North Dakota Case Study*.

**5259. Climate and conflict in rural-urban spaces 2: Cases in Africa (Sponsored by Human Dimensions of Global Change Specialty Group)**

*Room:* Dusable, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Peter Michael Link, University of Hamburg; Jürgen Scheffran, Institute of Geography, University of Hamburg

CHAIR(S): Jürgen Scheffran, Institute of Geography, University of Hamburg

**10:00** Peter Michael Link\*, University of Hamburg; Jasmin S. A. Link, University of Hamburg; Jürgen Scheffran, University of Hamburg, *Impacts of changes in Nile water availability on the Cairo metropolitan area and the Nile Delta*.

**10:20** Grant Hendrix\*, United States Military Academy, *A Wealthy Land Lost: Lake Kivu's Volatility*.

**10:40** Hugh McFarlane\*, *An Agent Based Model of Neighborhood Authority Transitions*.

**11:00** Martin Oteng-Ababio\*, University of Ghana; George Owusu, Prof, University of Ghana; Ernest Bagson, University of Ghana; Charlotte Wrigley-Asante, University of Ghana; Daniel Alekiba, University of Ghana; Adobea Y Owusu, University of Ghana, *'Shifting position with the Sun': Upsurge in youth groups, unemployment and criminality in Tamale Metropolis, Ghana*.

**11:20** Nuratu Muhammad\*, Bayero University Kano, *Women Empowerment through access to credits :the role of cooperatives*.

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## 5260. Payments for Ecosystem Services: Paths toward Sustainability (II) (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

*Room:* Field, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Li An, San Diego State University

CHAIR(S): Xiaodong Chen, University of North Carolina at Chapel Hill

**10:00** Stephen ES Crook, Msc.\*, San Diego State University; Li An, PhD., San Diego State University; Richard ES Bilsborrow, PhD, University of North Carolina, Chapel Hill; Shuang Yang, MS, San Diego State University; Weiyong Zhang, Fanjingshan National Nature Reserve, *Land use change and environmental decision making in Fanjingshan National Nature Reserve following payment for ecosystem service program implementation.*

**10:20** Shuang Yang\*, San Diego State University; Richard Bilsborrow, University of North Carolina; Li An, San Diego State University, *How PES programs influence local people's decisions to migrate.*

**10:40** Qi Zhang\*, UNC-Chapel Hill; Conghe Song, University of North Carolina at Chapel Hill; Richard Edward Bilsborrow, University of North Carolina at Chapel Hill; Xiaodong Chen, University of North Carolina at Chapel Hill, *Determinants of cropland abandonment in Tianma Nature Reserve in Anhui, China.*

**11:00** Theresa Selfa\*, SUNY ESF; Mariana Nava, SUNY ESF; David Torres, UNAM; Erin Pischke, Michigan Tech; Sophie Avila, UNAM; Kelly Jones, Colorado State University; Kathy Halvorsen, Michigan Tech, *A Comparison of the National and Matching Payments for Hydrological Services Programs in Veracruz, Mexico: Social and Organizational Challenges.*

**11:20** Keshav Bhattarai, Dr.\*, University of Central Missouri, *Sustainable Management of Contested Areas Using Ecosystem Services Approach.*

## 5261. Migration in China (II): Housing and Living Experience in the City (Sponsored by China Specialty Group, Population Specialty Group)

*Room:* Horner, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Youqin Huang, SUNY - Albany; Shenjing He, The University of Hong Kong

CHAIR(S): Youqin Huang, SUNY - Albany

**10:00** Yiping Fang\*, Portland State University, *Migrant household homeownership decisions in big Chinese cities.*

**10:20** Annette M Kim, PhD\*, USC, *Excavating the Subterranean City: the living conditions, livelihood strategies, and governance of Beijing's underground housing population.*

**10:40** Yuqi Liu\*, Bartlett School of Planning, University College London, United Kingdom, WC1H 0NN; Fulong Wu, Bartlett School of Planning, University College London, United Kingdom, WC1H 0NN; Ye Liu, Department of Geography, University of Lethbridge Lethbridge, AB, Canada, T1K 3M4.; Zhigang Li, Department of Urban and Regional Planning, School of Geography and Planning, Sun Yat-sen University, Guangzhou, China 510275, *Neighbourhood-based Social Capital and Community Participation among Migrant Workers in Urban China: An Analysis of Multilevel Modelling.*

**11:00** Zheng Wang\*, University College London, *Intergroup neighbouring in Shanghai - implications for the social integration of migrants in urban China.*

**11:20** Florence Marie-Agnès Padovani\*, Paris 1 Sorbonne university, *The Resettles from the Three Gorges Getting to Guangdong - Adaption and Dilemma.*

## 5262. Political enactment: learning, improvising, experimenting 2

*Room:*

*McCormick, Hyatt, West Tower, Silver Level (Paper Session)*

ORGANIZER(S): Alex Jeffrey, University of Cambridge; Colin Mcfarlane, Durham University; Alex Vasudevan

CHAIR(S): Colin Mcfarlane, Durham University

**10:00** Alexander George Baker\*, Newcastle University School of Architecture, Planning and Landscapes, *"Depending on what the job incurs": UK Housing Enforcement as Laboratory of Power.*

**10:20** Alan Ingram\*, UCL Department of Geography, *Enacting oil: material geopolitics in Black Smoke Rising by Tim Shaw.*

**10:40** Antonio Ferraz De Oliveira\*, University of Warwick, *A Temporary Autonomous Zone? From Hakim Bey to Occupy.*

**11:00** Michelle Wenderlich\*, Clark University, *Participatory public services as commons practices within/beyond the state?.*

**11:20** Alex Jeffrey\*, University of Cambridge; Colin Mcfarlane\*, Durham University; Alex Vasudevan\*, *Enacting political collectives: bodies, subjects, infrastructures.*

## 5264. Material Culture and Geography II: Objects and Landscapes (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)

*Room:* Wright, Hyatt, West Tower, Silver Level (Paper Session)

ORGANIZER(S): Sara Beth Keough, Saginaw Valley State University

CHAIR(S): Sara Beth Keough, Saginaw Valley State University

**10:00** Michael Leverett Dorn, PhD MSLIS\*, SUNY - Stony Brook, *The Material Culture and Origins of the 'Tweed Run'.*

**10:20** Alyson L. Greiner\*, Oklahoma State University, *Making Malaria-free Spaces and Landscapes: Historical Examples from Oklahoma and Arkansas.*

**10:40** Toni A. Alexander\*, Southeast Missouri State University; Luke Marzen, Auburn University; Tyler Jones, Auburn University, *Archiving Toomer's Oaks: Geospatial Technology and Memory.*

**11:00** Catherine P. Bishop\*, Indiana University, *African Occasional Textiles: Vernacular Landscapes of Development.*

**11:20** Emariana Widner\*, Kent State University, *American Views of Nature Reflected In Sci-Fi And Horror Films.*

## 5265. Mapping in the Cloud (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)

*Room:* Michigan A, Hyatt, East Tower, Ped Path (Paper Session)

ORGANIZER(S): Michael P. Peterson, University of Nebraska at Omaha

CHAIR(S): Michael P. Peterson, University of Nebraska at Omaha

**10:00** Alan G. Phipps\*, University of Windsor, *Three Applications of V3 Google Maps: Just for display of data, or analysis as well?.*

**10:20** Michael P. Peterson, Ph.D.\*, University of Nebraska at Omaha; Paul Hunt, University of Nebraska at Omaha, *New Developments in Mapping in the Cloud.*

**10:40** Shunfu Hu\*, Southern Illinois University Edwardsville, *Multimedia Mapping in the Cloud.*

**11:00** Paul Hunt\*, University of Nebraska - Omaha, *Census Mapping Mashup.*

**11:20** Michael Holbrook\*, University of Nebraska - Omaha; Paul Hunt, University of Nebraska - Omaha, *Automating the Map Quiz Experience.*

## 5266. Agriculture in a Changing Climate - Part II: A look at climate adaptation, food and water security, and sustainability in West Africa, Vietnam, Peru, India, and the U.S. (Sponsored by Africa Specialty Group, Geographies of Food and Agriculture Specialty Group)

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- Room:** Michigan B, Hyatt, East Tower, Ped Path (Paper Session)  
**ORGANIZER(S):** John T. Hayes, Salem State University; Leah Mungai  
**CHAIR(S):** John T. Hayes, Salem State University  
**10:00** Matilda Palm\*, Columbia University, *Climate smart agriculture in Vietnam- current land use and incentives for development.*  
**10:20** Joshua Rudow\*, University of Texas-Austin Department of Geography, *Farmer Perceptions of Climate Change and Agricultural Adaptation Strategies in the Rio Ica Watershed, Peru.*  
**10:40** Patrick Bitterman\*, The University of Iowa; Eric Tate, The University of Iowa; Nandita B Basu, The University of Waterloo; Kimberly J Van Meter, The University of Waterloo, *Water Sustainability Indicators: Employing Causal Networks for Creative Deconstruction.*  
**11:00** Silvia Secchi\*, Southern Illinois University; Lyubov Kurkalova, North Carolina A&T State University; Rebecca Dodder, EPA ORD; Amani Eloheid, Iowa State University; Ozge Kaplan, EPA ORD; Simla Tokgoz, IFPRI, *The Potential of Conservation Tillage Payments as a Climate Mitigation Strategy.*

## 5267. Care Ethics and Social Movements (II): Multi-species Interdependency, Intersectionality, and Radical Social Change (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Animal Geography Specialty Group)

- Room:** Michigan C, Hyatt, East Tower, Ped Path (Panel Session)  
**ORGANIZER(S):** Amy Piedalue, University of Washington; Kristy Copeland; Kathryn Gillespie, University of Washington  
**CHAIR(S):** Patricia J. Lopez, Dartmouth College  
**Discussant(s):** Kathryn Gillespie, University of Washington  
**Panelists:** Victoria A. Lawson, University of Washington; Anna Feigenbaum, Bournemouth University; Mario Bruzzone, University of Wisconsin-Madison; Dena Aufseeser, University of Maryland Baltimore County; Audra El Vilaly, The University of Arizona

## 5268. Hybrid knowledges and embodied experiences in the spaces of development - Session 2 (Sponsored by Development Geographies Specialty Group)

- Room:** Roosevelt, Hyatt, East Tower, Ped Path (Paper Session)  
**ORGANIZER(S):** Paola Minoia, University of Helsinki; Mark Griffiths, University of Oulu  
**CHAIR(S):** Mark Griffiths, University of Oulu  
**Introducer:** Paola Minoia  
**10:05** Monika Ladosz, Department of Geography, Masters of Arts\*, University of Calgary, *A Mental Models Approach to Understanding the Emotional and Embodied Experiences of Volunteering Abroad.*  
**10:25** Jinwen Chen\*, National University of Singapore, *Making Friends in Development Volunteering: Beyond Self-Other Relationships in Volunteer-Host Encounters.*  
**10:45** Ruth Cheung Judge\*, University College London, *Gratitude, Anger and Fun: Emotional and embodied dimensions of international volunteering schemes which engage socio-economically marginalised young people.*  
**Discussant(s):** Kerry L. Holden, Concordia University; Mark Griffiths, University of Oulu

## 5269. Experimental Developments (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)

- Room:** Randolph, Hyatt, East Tower, Ped Path (Paper Session)  
**ORGANIZER(S):** Marc Boeckler; Sophie Webber, University of British Columbia  
**CHAIR(S):** Dorothee Niebuhr, Goethe University Frankfurt  
**10:00** Frans Sengers\*, Eindhoven University of Technology; Rob Raven, Utrecht University; Anna J Wiczorek,

Eindhoven University of Technology, *The Role of Experiments in Sustainability Transitions: A Systematic Literature Review.*

- 10:20** Julie Chamberlain\*, York University, *'Race' and the 'urban laboratory': The discourse and practice of urban experimentation.*  
**10:40** Fanny Vuailat\*, Université Grenoble Alpes; Ines Ramirez-Cobo\*, Université Grenoble Alpes; Jean-Michel Roux\*, Université de Grenoble Alpes; Aziz Kali, DéTour, geography and planning department, *Experimentation situation: an alternative mode of action for a territorial intervention.*  
**11:00** Kerry Rohrmeier\*, San Jose State University; Scott Bassett, University of Nevada, Reno, *Planning Burning Man: The Black Rock City Mirage.*  
**11:20** Marc Boeckler\*, University of Frankfurt, *Geographies of Experimentation.*

## 5275. Human Trafficking, Servants, and Geographies of Human Life Course

- Room:** Lucerne 3, Swissôtel, Lucerne Level (Paper Session)  
**ORGANIZER(S):** Program Committee  
**CHAIR(S):** Eva K. Andersson, Stockholm University  
**10:00** Rhoda Mundi\*, University of Abuja; Rhoda Mundi, Prof., Department of Geography and Environmental Management, University of Abuja, Nigeria., *Some Reflections on the Reproductive Rights of Women in North Central Nigeria.*  
**10:20** Nedham A. Alshafai\*, Qatar University, *The phenomenon of domestic servants in the State of Qatar.*  
**10:40** Rebecca A. Buller\*, University of Nebraska-Lincoln, *"Change Comes Slowly: " Rewards and Challenges of Preliminary Research and Teaching on Domestic Human Trafficking.*  
**11:00** Eva K Andersson, Associate Professor\*, Human Geography Dept., Stockholm University; Bo Malmberg, Professor, Human Geography Dept., Stockholm University; Elizabeth Thomson, Professor, Demography section, Sociology Dept., Stockholm University, *Life course trajectories and neighborhood context: a cohort based study of transition to parenthood.*

## 5276. Urban Elites II (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

- Room:** Alpine 1, Swissôtel, Lucerne Level (Paper Session)  
**ORGANIZER(S):** David Bassens, Vrije Universiteit Brussels; Bas Van Heur, Vrije Universiteit Brussel  
**CHAIR(S):** David Bassens, Vrije Universiteit Brussels  
**10:00** Karenjit Clare, Dr\*, Loughborough University, *Financial Elites: Work, Women and White-Collar Identities in India.*  
**10:20** Mia Gray\*, University of Cambridge; Betsy Donald, Queens University, *Regimes of Austerity: Understanding the Changing Nature of Elite Urban Coalitions.*  
**10:40** Conny Petzold\*, Goethe University Frankfurt, *Global Financial Class, Urban Embeddedness and the Struggle Over Cities.*  
**11:00** Bas van Heur\*, Vrije Universiteit Brussel; David Bassens\*, Vrije Universiteit Brussels, *Follow the money: Tracing urban elites through a socio-spatial analysis of cultural patronage in Brussels.*  
**11:20** Sakura Yamamura\*, MACIMIDE, Maastricht Univ./ Institute of Geography, Univ. of Hamburg, *Transnational financial professionals in Global Cities - Urban Elites attached/detached to urban spaces and local society?.*

## 5277. Food Sovereignty and Food Security II: Latin America (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group)

# SATURDAY, APRIL 25 • 10:00 AM - 11:40 AM • 5200

- Room:** *Alpine 2, Swissôtel, Lucerne Level* (Paper Session)  
**ORGANIZER(S):** RDK Herman, National Museum of the American Indian  
**CHAIR(S):** Carlo Rene Moreno, University of Texas Pan American  
**10:00** Adelina Mkami\*, University of Connecticut, *An examination of the Rights-Based Approach to Food Security.*  
**10:20** Jennifer Blesh\*, School of Natural Resources and Environment, University of Michigan; Hannah Wittman, Faculty of Land and Food Systems, University of British Columbia, *Food sovereignty in Brazil: An interdisciplinary indicator and evaluation framework.*  
**10:40** Consuelo Guayara\*, The University of Iowa, *Food security and sustainable environmental practices: constructing a progressive ecological politics?.*  
**11:00** Carlo Rene Moreno, Ph.D.\*, University of Texas Pan American; Licia Romero, Ph.D., Universidad de Los Andes; Stephen R Gliessman, Ph.D., University of California Santa Cruz, *Native potatoes and sustainable livelihoods in the rural highlands of the Venezuelan Andes.*

**5278. Critical Approaches to Human Rights (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Sexuality and Space Specialty Group)**

- Room:** *Zermatt/Gstaad, Swissôtel, Lucerne Level* (Panel Session)  
**ORGANIZER(S):** Austin Kocher, The Ohio State University, Department of Geography  
**CHAIR(S):** Austin Kocher, The Ohio State University, Department of Geography  
**Discussant(s):** Amy Ross, University of Georgia, Athens  
**Panelists:** Jaimie Morse, Northwestern University; Austin Kocher, The Ohio State University, Department of Geography; Laura Matson, University of Minnesota

**5280. Consuming the Anthropocene II (Sponsored by Cultural and Political Ecology Specialty Group)**

- Room:** *Grindelwald, Swissôtel, Lucerne Level* (Paper Session)  
**ORGANIZER(S):** Michael K Goodman, University of Reading; Alexandra Sexton, King's College London  
**CHAIR(S):** Michael K Goodman, University of Reading  
**10:00** Anna R Davies, Prof. \*, Trinity College Dublin, *Food sharing economies: Transformative forms of eating in the Anthropocene?.*  
**10:20** E. Melanie DuPuis, Ph.D\*, Department of Environmental Studies and Science, Pace University, *The Political Ecology of the Metabiome.*  
**10:40** Alexandra Sexton\*, King's College London, *Eating in the Anthropocene: Cultured meat, edible insects and the biopolitics of taste and 'edibility'.*  
**Discussant(s):** Aaron Bobrow-Strain, Whitman College

## SATURDAY, APRIL 25 • 11:50 AM - 2:00 PM

### 2015 AAG Awards Luncheon

Saturday, April 25, 11:40 a.m. - 2:00 p.m.

Room: *Lucerne Ballroom 1&2, Swissotel, Lucerne Level*

Join colleagues and friends in honoring recipients of AAG Honors and other awards and prizes. The AAG Awards Luncheon will be held on Saturday, April 25 in the Lucerne Ballroom 1&2 of the Swissotel from 11:40 a.m. - 2:00 pm.

The following Honors will be presented:

#### *AAG Lifetime Achievement Honors*

John P. Jones, III, University of Arizona  
Bobby Wilson, University of Alabama

#### *AAG Distinguished Scholarship Honors*

Anthony Bebbington, Clark University  
Ruth DeFries, Columbia University

#### *AAG Gilbert White Public Service Honors*

2014, Eve Grunfest, University of Colorado - Colorado Springs  
2015, Elizabeth Oglesby, University of Arizona

#### *AAG Ronald F. Abler Distinguished Service Honors*

John Frazier, Binghamton University, State University of New York  
Rita Gardner, Royal Geographical Society (with the Institute of British Geographers)

#### *AAG Gilbert Grosvenor Geographic Education Honors*

Michael Solem, Association of American Geographers

#### *AAG Media Achievement Award*

Robert Kitchin, National University of Ireland Maynooth  
Marshall Shepherd, University of Georgia

#### *AAG Publication Award*

The University of California Press

In addition to AAG Honors, the 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:

William A. Bowen  
Nancy Brannen Hultquist  
William K. Crowley  
Ronald J. Horvath  
Tulasi Joshi  
Thomas R. Lewis, Jr.  
John Mercer  
Norman T. Moline  
Mark Monmonier  
Richard Pillsbury  
Allen J. Scott  
Robert B. South  
Otis W. Temple  
Albert M. Tosches  
Thomas J. Wilbanks  
John H. Wittmann

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 Onsite AAG Registration Desk.

## SATURDAY, APRIL 25 • 2:00 PM - 3:40 PM • 5400

### 5402. Remote Sensing of aquatic and wetland environment (Sponsored by Remote Sensing Specialty Group, Coastal and Marine Specialty Group)

Room: *Skyway 261, Hyatt, East Tower, Blue Level* (Paper Session)

ORGANIZER(S): Qian Yu, University of Massachusetts;  
Ruiliang Pu, University of South Florida; Jida Wang,  
Kansas State University

CHAIR(S): Qian Yu, University of Massachusetts

**2:00** Yongwei Sheng\*, UCLA; Jida Wang, Kansas State University; Chunqiao Song, UCLA; Dorian Garibay, UCLA; Jordan Woods, UCLA; Evan A. Lyons, UCLA; Gary Te, UCLA; Benjamin Knox, UCLA; Laurence C. Smith, UCLA, *Quality Assurance and Quality Control (QA/QC) of Landsat-based Global Lake Products*.

**2:20** Ruiliang Pu, PhD\*, University of South Florida; Susan Bell, PhD, University of South Florida, *Mapping Seagrasses Coverage and Spatial Patterns with IKONOS Imagery: Enhanced Spatial Resolution Can Deliver Greater Mapping Accuracy and More Spatial Information*.

**2:40** Sachidananda Mishra\*, Dow AgroSciences LLC; Deepak R. Mishra, University of Georgia, *Recent Advances in Remote Sensing of Cyanobacteria*.

**3:00** Megan Sirbaugh\*, Virginia Polytechnic Institute & State University; Andrey N. Petrov, University of Northern Iowa, *Analyzing Hyperspectral Imagery to Investigate Ice Formation and Typology in Lake Baikal*.

**3:20** Qian Yu\*, University of Massachusetts; Yong Tian, Central Michigan University; Jiwei Li, University of

Massachusetts, *Linking CDOM to DOC concentration for the terrestrial-aquatic carbon flux assessment*.

### 5405. New Economic Geographies of Resources and the Environment II: Resource Governance (Sponsored by Political Geography Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)

Room: *Skyway 272, Hyatt, East Tower, Blue Level* (Paper Session)

ORGANIZER(S): Caitlin Mcelroy, Oxford University; Kärge Kama, University of Oxford; Janelle Knox-Hayes, Georgia Institute of Technology

CHAIR(S): Kärge Kama, University of Oxford

**2:00** Jayme Walenta, Ph.D.\*, Texas A&M University, *Anatomy of a Corporate Carbon Footprint: forging an environmental imaginary*.

**2:20** Autumn Thoyre, PhD\*, Colgate University, *Creating Energy Efficiency as a Valuable Resource: The Case of North Carolina's Renewable Energy and Energy Efficiency Portfolio Standard*.

**2:40** Tiffany H Morrison, PhD\*, The University of Queensland, *The utility of a meta-governance lens for transforming complex resource governance problems*.

**3:00** Caitlin A Mcelroy, DPhil\*, Oxford University, *Sharing Resource Prosperity: Social Investment and Natural Resource Management in the Mining Industry*.

Discussant(s): Amy Glasmeier, Massachusetts Institute of Technology



# SATURDAY, APRIL 25 • 2:00 PM - 3:40 PM • 5400

## 5406. Contemporary Geography Education Studies III (Sponsored by Graduate Student Affinity Group, Ethnic Geography Specialty Group)

Room: Skyway 273, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Graciela Sandoval

CHAIR(S): Haakan Forsberg, Uppsala University

2:00 Kgosietsile Mbuzeni Velepini\*, Ohio University,

*Exploring the integration of Environmental Education in Botswana using Placed based education approach: A case study of a secondary school in the panhandle of the Okavango Delta.*

2:20 Wei Luo\*, Northern Illinois University; Jon Pelletier, University of Arizona; Kirk Duffin, Northern Illinois University; Carol Ormand, Carleton College; Wei-chen Hung, Northern Illinois University; Ellen Iverson, Carleton College; Xiaoming Zhai, College of Lake County; Kyle Whalley, Northern Illinois University; Courtney Gallaher, Northern Illinois University; Walter Furness, Northern Illinois University; David Shernoff, Rutgers University, *Computer simulation significantly enhances students learning of landform evolution.*

2:40 Cody Hodson, graduate student\*, The University of Iowa; Heather A Sander, assistant professor, The University of Iowa, *Green Urban Environments and Academic Performance.*

3:00 Kara Marie Collins\*, Northern Michigan University, *Considering Leave No Trace Education: Northern Michigan University Students and the Marquette Community.*

## 5408. Boom and bust methodology: Opportunities and challenges with conducting fieldwork at sites of resource extraction (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Energy and Environment Specialty Group)

Room: Skyway 282, Hyatt, East Tower, Blue Level (Panel Session)

ORGANIZER(S): Jeffrey S. Jenkins, University of California, Santa Cruz

CHAIR(S): Jeffrey S. Jenkins, University of California, Santa Cruz

Panelists: Karie Boone; Kai A. Bosworth, University of Minnesota - Minneapolis; Thomas Loder, Texas A&M University; Jessica Lehman, University of Minnesota - Minneapolis

## 5411. The Environmental City III

Room: Skyway 285, Hyatt, East Tower, Blue Level (Paper Session)

ORGANIZER(S): Kris Bezdecny, Wright State University - Dayton, OH; Kevin W. Archer, Central Washington University

CHAIR(S): Kevin W. Archer, Central Washington University

2:00 Melissa Keeley, Dr. of Engineering\*, George Washington University; Lisa Benton-Short, PhD, George Washington University; Jennifer Rowland, M.A., George Washington University, *Green Space in Urban Sustainability Plans: Trends and Best Practices.*

2:20 Ashlie Denton, MSW\*, Portland State University; Mary Ann Rozance, Portland State University, *Transitioning Lands: Understanding Landowner Choice in Rapidly Urbanizing Regions.*

2:40 Hallah Elbeleidy\*, Pennsylvania State University, *"How do the Trees Feel?": Saving Gezi Park and the Right to the City in Istanbul.*

3:00 Ryan Jones\*, University of Newcastle, *The Sum of its Parts? Urban Forests and the Image of Becoming.*

3:20 Amy Lebowitz\*, Macalester College, *"Lawn dissidents": Performing identity through sustainability in urban residential yards.*

## 5414. Yesteryear's Roads: Dreams and Realities

Room: Columbus CD, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Jenny Marie Johnson, University of Illinois at

Urbana-Champaign

CHAIR(S): Jenny Marie Johnson, University of Illinois at Urbana-Champaign

2:00 Jenny Marie Johnson\*, University of Illinois at Urbana-Champaign, *National Highways Association: Vision and Rhetoric.*

2:20 Judith A. Tyner, Ph.D.\*, California State Univ, Long Beach, *Don't Forget Winona: Route 66 and the Nostalgia Industry.*

2:40 James R. Akerman\*, The Newberry Library, *American Road Mapping's Age of Discovery, ca. 1880-1920.*

3:00 Eric S. Theise, Ph.D.\*, *Bookending the Lincoln Highway: The Monumental Sculpture of James Earle Fraser.*

Discussant(s): Curtis C. Roseman, University of Southern California

## 5417. (De)Sexualisation & (De)Pornification of Space VII: The (Im)Moral Landscapes of Sex Work (Sponsored by Sexuality and Space Specialty Group)

Room: Columbus H, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Paul J. Maginn, University of Western Australia; Emily Cooper, Lancaster University; Martin Zebracki, University of Leeds

CHAIR(S): Paul J. Maginn, University of Western Australia

2:00 Erin Sanders-McDonagh\*, Middlesex University, *Women's Consumption of Live Sex: Understanding Public Sex Performance in Thailand and the Netherlands.*

2:20 Paul J. Maginn, Assoc. Prof\*, University of Western Australia; Graham Ellison, Dr, Queen's University of Belfast, *Who needs evidence when you have blind faith on your side? The ethno-religious and gendered politics of sex work/prostitution in Northern Ireland.*

2:40 Serpent Libertine, Community Organizer, Activist\*, SWOP-Chicago, Global Network of Sex Work Projects (NSWP), *Displaced: The Role of Moral Panics in the Destruction of Sex Worker Spaces.*

3:00 Melissa Gira Grant\*, Journalist, *w4m: The End of the American Red Light District.*

Discussant(s): Emily Cooper, Lancaster University

## 5418. Boundaries, Greenbelts and Suburbanization 1

Room: Columbus IJ, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Roger Keil, York University

CHAIR(S): Roger Keil, York University

2:00 Lenore L. Newman\*, University of the Fraser Valley, *Cowboys and corn mazes: Farm stores and the rural imaginative on the urban fringe.*

2:20 Lisa Jordan Powell\*, Agriburban Research Centre, University of British Columbia & University of the Fraser Valley; Lenore Newman, University of the Fraser Valley; Hannah Wittman, University of British Columbia, *Comparing the Agriburban Landscapes of Richmond, British Columbia, and Washington County, Oregon.*

2:40 Murat Ucoglu\*, York University - Toronto, ON, *The Violation of Istanbul's Northern Greenbelt Boundaries for new Urban Development Projects: The Case of Kemerburgaz-Göktürk Area.*

3:00 Michael Lukas\*, Universidad de Chile; Maria Fragkou, Universidad de Chile, *Liquid boundaries: post-suburbanization and water conflicts in Santiago de Chile.*

Discussant(s): Alec Brownlow, DePaul University

## 5419. Author Meets Critics: Sexual difference; between psychoanalysis and vitalism

Room: Columbus KL, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): Heidi J. Nast, DePaul University; Arun

Saldanha, University of Minnesota - Minneapolis

CHAIR(S): Paul T. Kingsbury, Simon Fraser University

Panelists: Deborah Dixon, University of Glasgow; Richard Hoffman Reinhardt, University of Michigan; Anna J Secor, University of Kentucky

**SATURDAY, APRIL 25 • 2:00 PM - 3:40 PM • 5400****5420. Closing the 'know-do' gap: Geographic case studies in Knowledge Translation I***Room:* Grand A, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Jenna Dixon, University of Waterloo

CHAIR(S): Jenna Dixon, University of Waterloo

**2:00** Kassie M. Ernst\*, University of Tennessee, *Constructing Climate Change Decisions: Scales and Levels Used and Left Out of Integrated Assessment Models.***2:20** Sarah Di Vittorio, PhD\*, University of California - Berkeley, *Contested Terrain: The Knowledge Politics of Meadow Restoration in California's Feather River Watershed.***2:40** Jason M. Post, M.S.\*, Texas Tech University, *The human aspects of the invasive aquatic species problem: The significance of cultural, socio-economic, recreation and policy variables.***3:00** Takashi Oda\*, Miyagi University of Education, *The Roles of Geography Education in Disaster Risk Reduction.***3:20** Keith G. McKoy, Dr\*, Sheffield Hallam University; Keith McKoy, Dr, Sheffield Hallam University, *Politically Communicating Transport Policy in Greater Manchester UK.***5425. Cultural and Political Ecology***Room:* Grand Suite 2 AB, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Justine Law, Denison University

**2:00** Martín Ávila, PhD, Konstfack University College of Art, Craft and Design, Stockholm; Henrik Ernstson\*, Stanford University, KTH & Univ of Cape Town, *Tactical symbioses: A design perspective of material agency and political ecology.***2:20** Alex W. Peimer\*, Department of Geography and GIS, University of Illinois at Urbana-Champaign, *Co-production in sociocultural research: How scientific societies and rivers are co-produced.***2:40** Yannick Rousselot\*, Département de Géographie et Environnement, Université de Genève, Suisse, *Hydropolitics as Scalar Politics in Southern Africa.***3:00** Tzu-I Lee\*, National Taiwan University, *A Geopolitical Connotation of Intellectual Property Institution in Taiwan and China.***3:20** Justine Law, PhD\*, Denison University, *Reimagining nonnative plants in the landscape architecture field.***5426. Author meets critics: Amin Ghaziani's "There Goes the Gayborhood?" (Sponsored by Urban Geography Specialty Group, Sexuality and Space Specialty Group)***Room:* Grand Suite 3, Hyatt, East Tower, Gold Level (Panel Session)

ORGANIZER(S): John Paul Catungal, University of British Columbia

CHAIR(S): John Paul Catungal, University of British Columbia  
Introducer: John Paul Catungal

Panelists: Catherine Jean Nash, Brock university, Department of Geography; Lawrence Knopp, University of Washington Tacoma; Farhang Rouhani, University of Mary Washington; Michael P. Brown, University of Washington; Petra L. Doan, Florida State University; Amin Ghazian, University of British Columbia

**5427. The Politics of Natural Resource Governance in the American West I (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)***Room:* Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Matthew Anderson, Eastern Washington

University; Jamie McEvoy, Montana State University

CHAIR(S): Jamie McEvoy, Montana State University

**2:00** Matthew Anderson\*, Eastern Washington University; Jamie McEvoy, Montana State University; Susan Gilbertz, Montana State University, Billings; Damon Hall, Saint Louis University; Luke Ward, Rocky Mountain College; Alyson Rode, Eastern WashingtonUniversity, *Revisiting the Tragedy of the Commons: the Dispossession of (Paper) Water and the Politics of Water Rights in Montana's Yellowstone River Basin.***2:20** Suzanne Dallman\*, California State University - Long Beach, *Navigating Drought in the West: Lessons from Down-Under.***2:40** Jean Eichhorst\*, University of Kansas, *The Republican River Compact: Contested space, transboundary conflict, and socio-hydrological relationships.***3:00** Adrienne Kroepsch\*, University of Colorado At Boulder, *"Just Another User Stepping Up to The Trough": Hydraulic Fracturing Meets Old and New Systems of Water Governance and Infrastructure in Colorado.***3:20** Michael Aaron Snyder\*, Eastern Washington University; Daniel Christofano, Eastern Washington University; Matthew Anderson, Eastern Washington University; Susan Gilbertz, Montana State University, Billings; Jamie McEvoy, Montana State University, *Energy Water Health Nexus: Using GIS to Examine the Environmental Impacts and Public Health Implications of Oil and Gas Production in Eastern Montana.***5430. Frontiers of Spatial Autocorrelation (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)***Room:* Soldier Field, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Yongwan Chun, The University of Texas at Dallas; Daniel A. Griffith, U. of Texas at Dallas

CHAIR(S): Yongwan Chun, The University of Texas at Dallas

**2:00** Robert Haining\*, University of Cambridge, *Spatial autocorrelation - not so much a problem, more an opportunity.***2:20** Marco Millones, PhD\*, College of William and Mary; Benoit Parmentier, PhD, University of Maine; Daniel A Griffith, PhD, University of Texas at Dallas; Stuart E Hamilton, PhD, Salisbury University, *When space beats time: two illustrative cases studies.***2:40** Sang-Il Lee\*, Seoul National University, *Some Elaborations on Spatial Principal Components Analysis.***3:00** Monghyeon Lee\*, The University of Texas at Dallas; Parmanand Sinha, The University of Texas at Dallas; Yongwan Chun, The University of Texas at Dallas; Daniel A Griffith, The University of Texas at Dallas, *Adjusted variance estimates in eigenvector spatial filtering.***3:20** Nicolas Devaux\*, University of Québec (Rimouski); Diego Legros, University of Bourgogne (Dijon, France); Jean Dubé, Laval University (Québec, Canada), *Spatial econometric modelling for data pooled over time: What consequences for the omission of temporal dimension? A meta-analysis based on real estate data..***5431. Brazilian Urban Development***Room:* Columbian, Hyatt, West Tower, Bronze Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Roberto Luis Monte-Mór, Universidade Federal De Minas Gerais

**2:00** Beatriz Velloso Da Cruz Domingues\*, UFRJ, *Public policy and heritage: The APACs case in Rio de Janeiro.***2:20** Pedro Henrique Dos Santos Fernandes\*, *Politics as representation in Rio de Janeiro: The role of belvederes in landscape transformations..***2:40** Aseem Inam\*, The New School, *Informal Urbanisms: Developing an Investigative Research Approach via Pedagogy.***3:00** Gilmar Mascarenhas\*, UERJ, *The Football World Cup of 1950 And Its Insertion In The Production of Brazilian Urban Space.***3:20** Roberto Luis Monte-Mór, Ph.D. Professor UFMG\*, Universidade Federal De Minas Gerais, *Metropolitan Restructuring: bringing nature back in.*

**SATURDAY, APRIL 25 • 2:00 PM - 3:40 PM • 5400****5435. The Role of Geography in Shaping Sustainability Agendas in the Higher Education - session 1 (Sponsored by Human Dimensions of Global Change Specialty Group, Geography Education Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)****Room:** *Picasso, Hyatt, West Tower, Bronze Level* (Paper Session)

ORGANIZER(S): Elena Lioubimtseva, Grand Valley State University; Mario A. Giraldo, Cal State Northridge

CHAIR(S): Elena Lioubimtseva, Grand Valley State University

**2:00** Alisa L. Hass\*, University of Tennessee; Christopher A. Underwood, Lincoln Memorial University; Evan R. Larson, University of Wisconsin-Platteville, *Beyond the climate change lecture: An experiential approach to teaching sustainability through personal investment.***2:20** James Eflin\*, Ball State University, *Socio-Spatial Roots and Current Viewpoints Contributing to a Definition of 'Local' in the Study of Food and Food Systems.***2:40** Petra A. Zimmermann\*, Ball State University, *Defining Local: Is a Common Definition for "Local" Food even Possible?.***3:00** Doug Gress\*, Seoul National University; Johannes Tschapka, Ph.D., Seoul National University, *Understanding and facilitating sustainability transitions in Korea: A place for competency based sustainability education in the university classroom.***3:20** Mario A. Giraldo\*, Cal State Northridge, *University campus: Living labs and classrooms for sustainability.*

ORGANIZER(S): Michael Bentlage, TU Munich; Alain Thierstein, Munich University of Technology; Frank Witlox, Ghent University

CHAIR(S): Michael Bentlage, TU Munich

**2:00** Thomas A. Hutton, Professor\*, University of British Columbia; Trevor J. Barnes, Professor, Geography Department, University of British Columbia, *Industrial Urbanism and Social Ecology in the Making of the 'New Inner City': a Comparative Study of Seattle and Vancouver.***2:20** Heather Ruth Sparks\*, California State University, *Mapping Conflicting and Complementary Affordable Housing Guidelines in Long Beach, California.***2:40** Hiroyuki Iseki, Ph.D.\*, University of Maryland, College Park, *Analysis of Firm Location and Relocation in Relation to Metro Rail Stations in the Washington Metropolitan Area.***3:00** David Bole\*, Research centre of the Slovenian Academy of Sciences and Arts; Matej Gabrovec, Research centre of the Slovenian Academy of Sciences and Arts, *Geography of the Daily Mobility in Post-Socialist European Countries: Evidence from Slovenia.*

Discussant(s): Frank Witlox, Ghent University

**5441. (formerly 5439) Racial and Social Segregation (Sponsored by Population Specialty Group)****Room:** *New Orleans, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Pablo Mateos, CIESAS

CHAIR(S): Sako Musterd

**2:00** Lee Hachadoorian\*, Farmingdale State College, *Scale and Spatiality in the Index of Dissimilarity.***2:20** William Rawson Bredemeyer\*, University of Colorado Boulder, Department of Geography, *Longitudinal Context of Racial Segregation in the U.S.: Multilevel Modeling and Group-Based Trajectory Modeling.***2:40** Matthew W. Foulkes\*, University of Missouri, *Mapping the faculty ghetto: Faculty residential patterns, diversity, and residential segregation in Columbia, MO..***3:00** Petros Petsimeris, Professor\*, University Paris 1 - Sorbonne; Stefania Rimoldi, Assistant Professor, Università Milano Bicocca; Dolores Sanchez Aguilera, Associate Professor, University of Barcelona, *Social segregation and residential mobility in southern European cities: case studies of Milan, Turin and Barcelona..***3:20** Sako Musterd\*, Urban Geography, University of Amsterdam; Wouter van Gent, Urban Geography, University of Amsterdam; Marjolijn Das, Statistics Netherlands; Jan Latten, Statistics Netherlands, *Residential and Social Mobility; Adaptive Behaviour in Urban Space.***5446. Interrogating The Limits of (Im)Perceptibility (1) (Sponsored by Cultural Geography Specialty Group)****Room:** *San Francisco, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Rebecca Ellis, Lancaster University; Astrid Schrader, University of Exeter; Sarah Casey, Lancaster University

CHAIR(S): Astrid Schrader, University of Exeter

**2:00** Jo Ann Oravec, PhD, MA, MS, MBA\*, University of Wisconsin at Whitewater, *Computer Networking in the Era of the "Cloud": Transforming the Imperceptible Into the Amorphous.***2:20** Elizabeth R. Johnson\*, University of Exeter, *The (Im) perceptibility of Jellyfish: Unknowability in the Anthropocene.***2:40** Deborah Scott\*, Rutgers University, *Emerging Technosciences and Global Governance: Responding to the Unknown and the Unknowable.***3:00** Sarah Casey, Dr\*, Lancaster University; Gerry Davies\*, Lancaster University, *Piercing the Darkness: Drawing Sensing Sighting Sounding.***5436. From iClouds to Eyes on the Street: Urban Surveillance in Youth Geographies****Room:** *Water Tower, Hyatt, West Tower, Bronze Level* (Panel Session)

ORGANIZER(S): Gregory Donovan, Fordham University; Caitlin Cahill, Pratt Institute

CHAIR(S): Cindi Katz, CUNY Graduate Center

Panelists: Peter E. Hopkins, Newcastle University; Amanda Matles, CUNY Graduate Center; Caitlin Cahill, Pratt Institute; Gregory Donovan, Fordham University

**5437. Grounding Knowledge, Assembling Policies III - Emerging infrastructures in the Global South (Sponsored by Urban Geography Specialty Group, Development Geographies Specialty Group)****Room:** *Wrigley, Hyatt, West Tower, Bronze Level* (Paper Session)

ORGANIZER(S): Gabriel Silvestre, University College London; Luis Regis Coli, Federal University of Rio de Janeiro

CHAIR(S): Luis Regis Coli, Federal University of Rio de Janeiro

**2:00** Susana Neves Alves\*, University College London - UK, *Water infrastructures in the south: localizing understandings of global interactions.***2:20** Camila Saraiva\*, Universidade Federal do Rio de Janeiro/ University College London, *The role of architect-entrepreneurs in circulating models of slum upgrading policies: The Mananciais Programme in São Paulo.***2:40** James Christopher Mizes\*, University of California, Berkeley, *Circulating Risk in Urban West Africa.***3:00** Brian Paul Garcia, PhD Candidate, MArch MSc MPAS BA BA\*, University College London, Yale University, *Public Transport Infrastructure as a Comparative Point between North and South America; Overcoming Terminology in Planning Practices in Los Angeles and Medellin..*

Discussant(s): Carlos Vainer, IPPUR - Universidade Federal do Rio de Janeiro

**5440. The choice for housing, working and its impact on mobility (III) - unpacking the black box. Theories, concepts and methods for the interdependent choice of residence, workplace and mobility behavior in metropolitan regions (Sponsored by Regional Development and Planning Specialty Group, Urban Geography Specialty Group, Transportation Geography Specialty Group)****Room:** *Hong Kong, Hyatt, West Tower, Gold Level* (Paper Session)

## SATURDAY, APRIL 25 • 2:00 PM - 3:40 PM • 5400

3:20 Lisa Uddin\*, Whitman College, *Wangechi Mutu's Afrofuturist Geography*.

**5447. Geographical Encounters with "Odd" Objects 3: Tools (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)**

*Room:* Toronto, Hyatt, West Tower, Gold Level (Paper Session)  
ORGANIZER(S): Lia Frederiksen, University of Toronto; David K. Seitz, University of Toronto

CHAIR(S): David K. Seitz, University of Toronto

2:00 Risa C. Whitson\*, Ohio University, *"Activist research with a privileged group? Exploring ethics and representation in feminist research on 'odd' subjects"*.  
2:20 Madeline Hale\*, George Washington University, *Strapping on and plugging in: Sex toy bloggers and feminist place-making online*.

2:40 Alexis Mitchell\*, University of Toronto, *STEALTH*.

3:00 Richard Phillips\*, University of Sheffield, *In search of odd things*.

Discussant(s): Sharad Chari, University of the Witwatersrand

**5451. Fetishes of Water Governance I (Sponsored by Cultural and Political Ecology Specialty Group)**

*Room:* Stetson A, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Jeremy J. Schmidt, Dalhousie University; Oriol Miroso, University of Wisconsin - Milwaukee; Raul Pacheco-Vega, Centro de Investigacion y Docencia Economica (CIDE, AC)

CHAIR(S): Raul Pacheco-Vega, Centro de Investigacion y Docencia Economica (CIDE, AC)

2:00 Deborah Cheng\*, UCLA, *Fragmented Flows: Water and the Political Ecology of Governance in Los Angeles County*.

2:20 Eric Simon\*, Waqar Ahmed, *Urban hydraulic rhizome: water appropriation and the reproduction of space in north Texas*.

2:40 Catherine Hart\*, Queen's University; Heather Castleden, Queen's University; Ashlee Cunsolo Willox, Cape Breton University; Sherilee Harper, University of Guelph; Debbie Martin, Dalhousie University; Robert Stefanelli, Queen's University; Kaitlin Lauridsen, Dalhousie University; Lindsay Day, University of Guelph, *Incorporate or implement: An Examination of how Canadian researchers engage with Indigenous Knowledge-holders in water research, and with respect to water governance, to what end?*.

3:00 Oriol Miroso\*, University of Wisconsin - Milwaukee, *The Human Right to Water as a Fetish: Difference and Power in Water Struggles*.

Discussant(s): Jeremy J. Schmidt, Dalhousie University

**5452. Multi-temporal Analysis of Remote Sensing Data: Methods and Applications I (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)**

*Room:* Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Le Wang, SUNY at Buffalo; Cuizhen Wang, University of South Carolina

CHAIR(S): Le Wang, SUNY at Buffalo

2:00 Xuebin Yang\*, The University of Texas at Austin; Kelley A. Crews, The University of Texas at Austin, *Maximum realizable woody cover in central Texas savannas: an application of piecewise quantile linear regression*.

2:20 Chunyuan Diao\*, University at Buffalo; Le Wang, University at Buffalo, *Mapping invasive saltcedar distribution with spectral and phenological information from multi-temporal Landsat TM imagery*.

2:40 Iryna Dronova\*, UC Berkeley; Peng Gong, University of California Berkeley, *Remote sensing of wetland change: addressing spatial and temporal complexity*.

3:00 Cuizhen Wang\*, University of South Carolina; Qian Fan,

University of South Carolina; William M. Soohoo, University of South Carolina; Cheng Zhong, University of South Carolina, *Assessing bioenergy land use in the BCAP lands with the STARFM-disaggregated MODIS/Landsat time series*.

**5453. Universities, technology, start ups and industrial change in China (Sponsored by China Specialty Group)**

*Room:* Stetson D, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): David W. Edgington, University of British Columbia

CHAIR(S): David W. Edgington, University of British Columbia

2:00 David W. Edgington, Professor\*, University of British Columbia, *Manufacturing University-Industry Linkages in Nanjing*.

2:20 He Wang\*, City University of Hong Kong, *An Institutional Analysis of Technology in the Global Production Networks? Technology Transfer and Indigenous Innovation Capacity in the Chinese Automotive Industry*.

2:40 Deyu Li\*, College of Urban and Environmental Science, Peking University, China; Canfei He, College of Urban and Environmental Science, Peking University, China, *Related Variety, Institutions and the Industrial Evolution in Chinese Cities: Local, Regional and Global*.

3:00 Jingyan Li\*, Peking University; Xin TONG, Peking University; Dongyan TAO, Peking University, *Stay or Start up: A survey on intention of entrepreneurship within manufacturing plant in Shandong, China*.

3:20 Qi Guo, Ph.D candidate\*, Peking University; Canfei HE, professor, *Entrepreneurship in urban China: The role of agglomeration economies, related variety and the Vernon-Chinitz effect*.

**5454. Affective Ecologies, Living Economies and Alternate Ways of Valuing Nature: Session VI (Ethics of Care and Affective Politics) (Sponsored by Cultural and Political Ecology Specialty Group)**

*Room:* Stetson E, Hyatt, West Tower, Purple Level (Paper Session)  
ORGANIZER(S): Neera Singh, University of Toronto; Katja Grotzner Neves, Concordia University; Mamta Vardhan, University of Alberta

CHAIR(S): Katja Grotzner Neves, Concordia University

2:00 Georgina Drew, Dr.\*, University of Adelaide, *From Unconditional Love to Reciprocity: Deconstructing the 'Mother Goddess' Discourse used to Alternately Degrade or Conserve the River Ganga*.

2:20 Daniel N. Muenster\*, Heidelberg University - Germany, *Spiritual Farming and the Demons of the Market: Affect and critique in a South Indian food sovereignty movement*.

2:40 Susannah R. McCandless\*, Global Diversity Foundation; Marina Aman Sham, Global Diversity Foundation; Emily Z. Caruso, Global Diversity Foundation; Gary J. Martin, Global Diversity Foundation, *Knowing our place is to defend it: biocultural diversity as an affective ecology of territory*.

3:00 Nicholas Kotlinski\*, University of Kansas, *From where does life spring? Cosmologies of Land Use and Territory in the Peruvian Selva Alta*.

Discussant(s): Dianne E. Rocheleau, Clark University

**5455. Investing in the Global Land Rush II: Enframing and Strategizing Value (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)**

*Room:* Stetson F, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Julian S. Yates, University of British Columbia; Jenny Elaine Goldstein, University of California - Los Angeles

CHAIR(S): Julian S. Yates, University of British Columbia

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- 2:00** Heidi Hausermann\*, Rutgers University; David Ferring, Rutgers University, *The politics of foreign land acquisition in Ghana's small-scale gold mining sector.*
- 2:20** Patrick Bottazzi\*, Centre for Development and Environment, *Building land scarcity in Sierra Leone rural area: foreign agricultural investment as a societal change amongst Temne ethnic groups.*
- 2:40** Melanie Sommerville, University of British Columbia; Philippe Le Billon\*, University of British Columbia, *Landing capital: Opening land to investments in the mining and farming sectors.*
- 3:00** Penelope Anthias, PhD\*, University of California, Berkeley, *Assembling indigenous territories.*
- 5457. The joys and challenges of community-based participatory and action research**  
*Room:* Addams, Hyatt, West Tower, Silver Level (Panel Session)  
 ORGANIZER(S): Johanna Claire Schuch, University of North Carolina - Charlotte  
 CHAIR(S): Johanna Claire Schuch, University of North Carolina - Charlotte  
 Panelists: Jessica Hallenbeck, University of British Columbia; Jenny Pickerill, University of Sheffield; Amy E. Ritterbusch, Universidad de los Andes; Amber Boll, Georgia State University; Brisa Urquieta De Hernandez
- 5458. Improvements in Social Vulnerability Measurement, Mapping, and Analysis (Sponsored by Hazards, Risks, and Disasters Specialty Group)**  
*Room:* Burnham, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Christopher Todd Emrich, University of South Carolina  
 CHAIR(S): Christopher Todd Emrich, University of South Carolina  
**2:00** Samuel Rufat\*, University of Cergy Pontoise, France; Eric Tate, University of Iowa, *Social Vulnerability to Floods: Are Indicators Compatible With Qualitative Observations?.*  
**2:20** Joseph Tuccillo\*, University of Colorado, Boulder, *Examining Place-Specificity of the Social Vulnerability Index (SoVI) Using Variable Concentration and Diversity Metrics: the Case of Hurricane Sandy, 2012.*  
**2:40** Eric Tate\*, University of Iowa; Aaron Strong, University of Iowa; Travis Kraus, Mount Pleasant Area Chamber Alliance; Haoyi Xiong, University of Iowa, *Flood Recovery and Property Acquisition in Cedar Rapids, Iowa.*  
**3:00** Bessie Schwarz\*, Yale University; Beth Tellman, Arizona State University, *New Techniques in Quantitative Social Vulnerability Analysis Using Google Earth Engine.*  
**3:20** Christopher Todd Emrich\*, University of South Carolina, *Improving the Validity of Social Vulnerability Indicators.*
- 5459. Crossing borders: Phones, roads, connectivity and vulnerability near protected areas in East Africa (Sponsored by Human Dimensions of Global Change Specialty Group, Africa Specialty Group, Animal Geography Specialty Group)**  
*Room:* Dusable, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Timothy D. Baird, Virginia Tech  
 CHAIR(S): Timothy D. Baird, Virginia Tech  
**2:00** Haakon Lein\*, Norwegian University of Science and Technology-NTNU, Norway; J. Nyahongo, University of Dodoma, Tanzania; J. Ntalwila, Tanzania Wildlife Research Institute; A. Mwakatobe, Tanzania Wildlife Research Institute; J. Kideghesho, Sokoine University of Agriculture, Tanzania; V. Runyoro, Environmental Reliance Consultants, Tanzania, *Local Communities and the New Serengeti National Park Northern Road.*  
**2:20** Niwaeli Elisante Kimambo\*, University of Wisconsin, *Land Cover Dynamics In Priority Forest Edge Sites in the Southern Highlands of Tanzania.*
- 2:40** Ashley L. Lewis\*, Virginia Tech, Department of Geography; Timothy D. Baird, Ph.D., Virginia Tech, Department of Geography, *The effect of mobile phone use on human-wildlife conflict in northern Tanzania.*
- 3:00** Njoroge I. Gathongo\*, University of Tennessee; Liem Tran, University of Tennessee, *Assessing Vulnerability of Jora and Makwasinyi Villages at Mt. Kasigau, Kenya using an Impact Tree Diagram..*  
 Discussant(s): Lisa Naughton, University of Wisconsin
- 5460. Agricultural Production**  
*Room:* Field, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Program Committee  
 CHAIR(S): Carl L. Johannessen, University of Oregon  
**2:00** Uvirkaa Akumaga\*, University of Oklahoma; Aondover Tarhule, University of Oklahoma, *The Impact of Climate Change on Crop Yields and Adaptation options in the Niger River Basin, West Africa.*  
**2:20** Nicholas Babin\*, Taylor University, *Liberalization and Coffee: The Impacts on Agrarian Class Structure in Costa Rica.*  
**2:40** Angel Pita-Duque\*, Universidad Autonoma Chapingo, Mexico; Nadia Eunice Molina-Emigdio, *Maize varietal diversity and system diversity functioning in the Sierra Nevada of Puebla State, Mexico.*  
**3:00** Chieh-Ting Tsai\*, National Taiwan University, *Born in America, raised in Taiwan: Development of 'Irwin' mango production in the eyes of the locals in Taiwan.*  
**3:20** Carl L. Johannessen, Ph.D.\*, University of Oregon; Carl Lewis Johannessen, University of Oregon, *The Origin of Corn.*
- 5461. Contesting Urban Space in East Asia: Recasting Neoliberalism upon Housing (Sponsored by Asian Geography Specialty Group)**  
*Room:* Horner, Hyatt, West Tower, Silver Level (Panel Session)  
 ORGANIZER(S): Yi-ling Chen, University of Wyoming; Hyun Bang Shin, London School of Economics and Political Science; Asato Saito, Yokohama National University  
 CHAIR(S): Hyun Bang Shin, London School of Economics and Political Science  
 Introducer: Yi-ling Chen  
 Discussant(s): Hyun Bang Shin, London School of Economics and Political Science; Bae-Gyoon Park, Seoul National University  
 Panelists: Asato Saito, Yokohama National University; Mi Shih, Rutgers University; Sarah Tynen, University of Colorado; Dallas Rogers, University of Western Sydney
- 5462. Pedagogies of Peace-Building, Democracy and Development I (Sponsored by Political Geography Specialty Group)**  
*Room:* McCormick, Hyatt, West Tower, Silver Level (Paper Session)  
 ORGANIZER(S): Lynn Staeheli, Durham University  
 CHAIR(S): Lynn Staeheli, Durham University  
**2:00** Stuart C. Aitken\*, San Diego State University; Stuart C Aitken, Professor, SDSU, *Young People Extracting Citizenship Rights from State Violence: The Case of Slovenia's Izbrisani ('Erased') Youth.*  
**2:20** Chih Yuan Woon\*, National University of Singapore, *Children and the Politics of Hope in the (Re)making of Peace, Development and Democracy in the Southern Philippines.*  
**2:40** Sasha Davis\*, University of Hawai'i - Hilo, *Sharing the struggle(?): strategies and politics in global anti-militarization solidarity networks..*  
**3:00** Daniel Hammett\*, University of Sheffield; Lynn Staeheli, Durham University, *Building Peaceful Citizens? Nation-building in divided societies.*  
**3:20** Allison Hayes-Conroy\*, Temple University; Alexis Saenz Montoya, Temple University, *Somatic Sovereignty:*

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*Peace building with Colombia's La Legion del Afecto.*

- 5464. Micropolitics and the minor I (Sponsored by Cultural Geography Specialty Group)**  
**Room:** *Wright, Hyatt, West Tower, Silver Level* (Paper Session)  
 ORGANIZER(S): Joe Gerlach, University of Oxford; Thomas Jellis, University of Oxford  
 CHAIR(S): Thomas Jellis, University of Oxford  
**2:00** Nina Williams\*, University of Bristol, *Towards a Creative Minor*.  
**2:20** Sean Tanner\*, Rutgers University, *Object-oriented Philosophies and the (Micro)Political*.  
**2:40** Scott Sharpe\*, University of New South Wales at Canberra, *Laughing Micropolitics: staging an encounter between Arendt and Deleuze*.  
**3:00** Nicholas Jon Crane\*, Ohio Wesleyan University, *Repelling the organization of memory in post-1968 Mexico City: the minor politics of Roberto Bolaño, Ximena Labra, and Thomas Glassford*.  
**3:20** Andrew Barry\*, University College London, *The Micropolitics of the Sciences: on obligations in the field*.

- 5465. From Static, Temporal to Real-time Geospatial System and Science (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**  
**Room:** *Michigan A, Hyatt, East Tower, Ped Path* (Paper Session)  
 ORGANIZER(S): Huayi Wu, Wuhan University  
 CHAIR(S): Huayi Wu, Wuhan University  
**2:00** Huayi Wu\*, Wuhan University; Xuefeng Guan, LIESMARS, Wuhan University; Bo Cheng, Wuhan University; Zhenqiang Li, Wuhan University, *Real-time GIS: Concept and Challenges*.  
**2:20** Nate Wessel\*, University of Cincinnati, *Discovering Transit Schedule Padding from Publicly Available Data*.

- 5467. Anarchist Geographies (Sponsored by Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group)**  
**Room:** *Michigan C, Hyatt, East Tower, Ped Path* (Paper Session)  
 ORGANIZER(S): Vanessa Sloan Morgan; Patricia Burke Wood, York University  
 CHAIR(S): Vanessa Sloan Morgan  
**2:00** Andrej Grubacic\*, Denis O'Hearn, Professor, Binghamton University, *Exilic Spaces and the World-Economy: Territorial and Structural Escape*.  
**2:20** Jonna Pettersson\*, Lund University, *Incalculable Space*.  
**2:40** Nathan Eisenstadt\*, Bristol University, *Anarchism as a Mode of Governing: Anti-oppression Praxis and the Care of the Self*.  
**3:00** Federico Ferretti\*, University of Geneva, *Putting anarchist education in its place: open-air geography and the Lausanne Ferrer School (1909-1919)*.  
**3:20** Victoria Montgomery, Master's Candidate\*, University of Louisville, *Exploration of Anarchist Geography through Fight Club a Novel*.

- 5476. Urban Elites III (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**  
**Room:** *Alpine 1, Swissôtel, Lucerne Level* (Paper Session)  
 ORGANIZER(S): David Bassens, Vrije Universiteit Brussels; Bas Van Heur, Vrije Universiteit Brussel  
 CHAIR(S): David Bassens, Vrije Universiteit Brussels  
**2:00** David Peter Bradley\*, CURDS, Newcastle University, *Findings from the evaluation of Newcastle BIDs first term of operation*.  
**2:20** Barbara Heer\*, Institute of Social Anthropology, *Starring at Urban Elites - Shopping Malls in African Cities as Spaces of Sociality and Visibility*.  
**2:40** Giovanni Semi\*, University of Torino, *"Place-making? I think it's retrograde, conservative, nationalist". The making of a new professional élite group: Urban Designers..*

- 3:00** Lauren B Wagner\*, Wageningen University, *Accidental elites: Consumption geographies of diasporic visiting*.  
 Discussant(s): Patrick Le Gales, Sciences Po

- 5477. Food Sovereignty and Food Security III: The Caribbean and the Nuevo South (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group)**  
**Room:** *Alpine 2, Swissôtel, Lucerne Level* (Paper Session)  
 ORGANIZER(S): RDK Herman, National Museum of the American Indian  
 CHAIR(S): Gary R. Schnakenberg, Michigan State University  
**2:00** Jennifer Vansteenkiste\*, University of Guelph, *'Open for Business': Impact of corporate land grabs on local food security in Haiti*.  
**2:20** Anna Erwin\*, Virginia Polytechnic Institute & State University, *"Farmworker Food Insecurity: Investigations in the Nuevo South"*.  
**2:40** Gary R. Schnakenberg\*, Michigan State University, *'This is not the world of your parents': Modernity, farming, and landscape in Jamaica's breadbasket*.

- 5478. Dialectics in Geography: Opportunities and Limitations (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group, History of Geography Specialty Group)**  
**Room:** *Zermatt/Gstaad, Swissôtel, Lucerne Level* (Paper Session)  
 ORGANIZER(S): Harald Bauder, Ryerson University  
 CHAIR(S): Eric S. Sheppard, UCLA  
**2:00** Harald Bauder\*, Ryerson University, *Reflections on Dialectics as Theory and/or Method*.  
**2:20** Salvatore Engel-DiMauro\*, SUNY New Paltz, *A Dialectical Approach to Soils*.  
**2:40** Christina West\*, University of Landau, Germany, *"Listen to our thoughts! - Towards a post-dialectical thinking of the urban question: the transversal urban society."*.  
**3:00** Wing-shing Tang\*, Hong Kong Baptist University, *From dualistic to correlative polarities: from town-country contradiction to high-density development in Hong Kong*.  
**3:20** Yolande Pottie-Sherman\*, Dartmouth College; Rima Wilkes, University of British Columbia, *Visual Media and the Construction of the Benign Canadian Border on National Geographic's Border Security: A Dialectical Approach*.

- 5479. Communicating Biogeographic Research: Outreach, the Press, and Social Media (Sponsored by Biogeography Specialty Group)**  
**Room:** *St. Moritz, Swissôtel, Lucerne Level* (Panel Session)  
 ORGANIZER(S): Amanda Young, Penn State University  
 CHAIR(S): Amanda Young, Penn State University  
 Panelists: John W. Williams, University of Wisconsin - Madison; Carissa Brown, Department of Geography, Memorial University; Glen M. MacDonald, UCLA; Jennifer Marlon, Yale University; Henri D. Grissino-Mayer, University of Tennessee

- 5480. Teaching Economic Geography (Sponsored by Economic Geography Specialty Group)**  
**Room:** *Grindelwald, Swissôtel, Lucerne Level* (Panel Session)  
 ORGANIZER(S): C. Patrick Heidkamp, Southern Connecticut State University; George Christopher Bentley, Framingham State University  
 CHAIR(S): George Christopher Bentley, Framingham State University  
 Introducer: George Christopher Bentley  
 Discussant(s): George Christopher Bentley, Framingham State University  
 Panelists: Henry Wai-chung Yeung, National University of Singapore; Robin M. Leichenko, Rutgers University; Roger Hayter, Simon Fraser University; Julie Silva, University of Maryland, College Park; C. Patrick Heidkamp, Southern Connecticut State University

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## AAG Business Meeting

Saturday, April 25, 2:30 p.m. - 3:40 p.m.

Room: *Lucerne Ballroom 3, Swissotel, Lucerne Level*

The AAG's annual Business Meeting will be held in the *Lucerne Ballroom 3* of the *Swissotel* on Saturday, April 25, from 2:30 p.m. to 3:40 p.m. AAG officers will present their annual reports. All are welcome to attend.

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## 5502. Mangrove Mapping and Monitoring (Sponsored by Remote Sensing Specialty Group, Coastal and Marine Specialty Group)

Room: *Skyway 261, Hyatt, East Tower, Blue Level* (Paper Session)

ORGANIZER(S): Chandra Giri, United States Geological Survey  
CHAIR(S): Jordan Long, InuTeq

4:00 Jordan Long\*, InuTeq; Chandra Giri, Dr., USGS, *Mapping and Monitoring Florida's Mangroves*.

4:20 Kai Liu\*, Sun Yat-sen University; Yunhui Zhu, Sun Yat-sen University; Lin Liu, Sun Yat-sen University, *Estimating Spatial Distribution of Mangrove Biomass at Species Level with WorldView-2 Images*.

4:40 Chandra Giri\*, United States Geological Survey, *Poleward expansion of mangroves: Is it happening?*.

5:00 Georgia De Stoppelaire\*, Florida Atlantic University, *Application of GEOBIA with Fused LIDAR Data for Mapping Wetland Vegetation at Everglades National Park, Florida, USA*.

## 5505. New Economic Geographies of Resources and the Environment III: Extractive Micropolitics (Sponsored by Political Geography Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)

Room: *Skyway 272, Hyatt, East Tower, Blue Level* (Paper Session)

ORGANIZER(S): Caitlin Mcelroy, Oxford University; Kārg Kama, University of Oxford; Janelle Knox-Hayes, Georgia Institute of Technology

CHAIR(S): Janelle Knox-Hayes, Georgia Institute of Technology

4:00 Leah S. Horowitz, Ph.D.\*, University of Wisconsin-Madison, *Movement micropolitics: Leadership and grassroots activism in New Caledonia*.

4:20 Thomas Loder\*, Texas A&M University, *Spaces of Dissent and the Creation of "Fracking Subjects" in North Dakota*.

4:40 Fenda A. Akiwumi, Ph.D.\*, University of South Florida, *Aliens and Undesirables: High Value Minerals and Artisanal Mining as a Livelihood Option in Sierra Leone*.

5:00 Fernando Hernandez Espino\*, Clark University, *'Power' Production: Land Disposition and the making of Agrarian Social Movements in Puebla, Mexico*.

Discussant(s): Caitlin Mcelroy, Oxford University

## 5506. Contemporary Geography Education Studies IV (Sponsored by Graduate Student Affinity Group, Ethnic Geography Specialty Group)

Room: *Skyway 273, Hyatt, East Tower, Blue Level* (Paper Session)

ORGANIZER(S): Graciela Sandoval

CHAIR(S): Wade Bishop, University of Tennessee

4:00 Tim Vatovec\*, Sullivan University - Lexington, *Assessing Students' Geographic Knowledge in a Non-traditional Setting: An Experiential-Educational Link*.

4:20 Jinhee Lee\*, Texas State University - San Marcos, *Quantitative Research Methods in Geography*

*Educational Research*.

4:40 Wade Bishop\*, University of Tennessee, *Management and Distribution of Higher Education Site Licenses*.

## 5508. The Geographies of 'Back to the Future' (1885 - 2015) (Sponsored by Cultural Geography Specialty Group)

Room: *Skyway 282, Hyatt, East Tower, Blue Level* (Panel Session)

ORGANIZER(S): Tyler Sonnichsen, University of Tennessee;

Rex Rowley, Illinois State University

CHAIR(S): Tyler Sonnichsen, University of Tennessee

Introducer: Tyler Sonnichsen

Discussant(s): Rex Rowley, Illinois State University; Christina E. Dando, University of Nebraska-Omaha

Panelists: Richard A. Waugh, University of Wisconsin, Platteville; Ashley Allen, Louisiana State University; Julian Barr, University of Washington; Greg Pagett, University of Nebraska at Omaha; Stacie Townsend, UC Davis Geography Graduate Group; Lydia J. Hou, University of Illinois - Chicago

## 5511. The Environmental City IV

Room: *Skyway 285, Hyatt, East Tower, Blue Level* (Paper Session)

ORGANIZER(S): Kris Bezdecny, Wright State University - Dayton, OH; Kevin W. Archer, Central Washington University

CHAIR(S): Kris Bezdecny, Wright State University - Dayton, OH

4:00 Rebecca Croog, MA student\*, Temple University Department of Geography and Urban Studies, *Baltimore and the Cherry Hill Urban Garden: Tearing Down and Building Up the Physical and Imaginative Spaces of Post-Industrial Urban Food Systems*.

4:20 Amanda J. Weaver, Ph.D.\*, University of Colorado Denver, *Food Production, Sustainability, and Urban Geography: A Certificate Program in Urban Agriculture at the Heart of Denver*.

4:40 Christopher James Willer\*, Kent State University, *The Scale of Urban Agriculture and Economic Revitalization: A Literature Review*.

5:00 Iain Douglas Stewart, Ph.D.\*, University of Toronto; Chris Kennedy, Ph.D., University of Toronto, *The Metabolism of Megacities: Global and Regional Analysis*.

Discussant(s): Richard A. Walker, University of California-Berkeley

## 5514. Violence and performance in public spaces

Room: *Columbus CD, Hyatt, East Tower, Gold Level* (Paper Session)

ORGANIZER(S): Anne-Marie D'Hautesserre, University of Waikato

CHAIR(S): Dawid Wladyka, University of Texas at Brownsville

4:00 Melissa Arielle Harkavy, BS\*, University of Colorado, Boulder, *The Truth of a Person: Navigating the Human Rights Framework in Maasailand*.

4:20 Jennifer Porter\*, University of Washington, *Landscape as visual testimony: how to read the built environment in*



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*Guarari, Costa Rica.*

**4:40** Julian R. Shaw\*, King's College London, *Violent Narratives in Public Space - Performance, Production and Segregation.*

**5:00** William Yaworsky, Ph.D., University of Texas at Brownsville; Dawid K. Wladyka, Ph.D.\*, University of Texas at Brownsville, *Violence in Mexico and Central America and its Effects on Anthropological Research.*

**5518. Boundaries, Greenbelts and Suburbanization 2**

*Room:* Columbus JJ, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Roger Keil, York University

CHAIR(S): Lenore Lauri Newman, University of the Fraser Valley

**4:00** Roger Keil\*, The City Institute at York University; Sara Macdonald\*, The City Institute at York University, *Boundaries to suburbanization, thresholds of possibility? The emerging suburban political ecology of the Emscher Park, GruenGuertel Frankfurt and the Ontario Greenbelt.*

**4:20** Laam Hae\*, York University, *The "Construction State" Unbounded: Greenbelt Deregulation and Geographical Expansion of Development Capital in the Seoul Metropolitan Region.*

**4:40** Shubhra Gururani\*, York University, *Making Property: Claiming Nature/Land in India's Urban Peripheries.*

**5:00** Camilla Perrone\*, University of Florence; Giancarlo Paba\*, University of Florence, Italy, *Outside? What's outside? Postmetropolitan and suburban tendencies in large Italian regional cities.*

Discussant(s): Stephanie Pincett, UCLA

**5519. Applications of NASA Earth Observations**

*Room:* Columbus KL, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Lauren Michelle Childs-Gleason, NASA DEVELOP National Program

CHAIR(S): Lauren Michelle Childs-Gleason, NASA DEVELOP National Program

**4:00** Lauren M. Childs-Gleason\*, NASA DEVELOP National Program / Wise County; James E. Favors, NASA DEVELOP National Program / Wise County; Karen N. Allsbrook, NASA DEVELOP National Program / SSAI; Michael R. Bender, NASA DEVELOP National Program / Wise County; Kenton W. Ross, PhD., NASA; Lindsay M. Rogers, NASA; Michael L. Ruiz, NASA, *The NASA DEVELOP National Program: Science Serving Society.*

**4:10** Heather Nicholson\*, NASA DEVELOP Program - Stennis Space Center; Eric Mack, NASA DEVELOP Program - Stennis Space Center; Alahna Moore, NASA DEVELOP Program - Stennis Space Center; Ross Reahard, NASA DEVELOP Program - Stennis Space Center; Caitlin Ruby, NASA DEVELOP Program - Stennis Space Center; James Smoot, NASA Stennis Space Center - Computer Sciences Corp; Joseph Spruce, NASA Stennis Space Center - Computer Sciences Corp, *Assessing the Potential Use of VIIRS 375m Data For Detecting Forest Disturbances.*

**4:28** Janice Maldonado Jaime\*, NASA DEVELOP Program - Langley Research Center; Emily Adams, NASA DEVELOP Program - Langley Research Center; Lydia Cuker, NASA DEVELOP Program - Langley Research Center; Kathy Currie, NASA DEVELOP Program - Langley Research Center; Lacey Freese, NASA DEVELOP Program - Langley Research Center; Miriam Harris, NASA DEVELOP Program - Langley Research Center; Pamela King, NASA DEVELOP Program - Langley Research Center; Daniel Marx, NASA DEVELOP Program - Langley Research Center, *Monitoring the Impacts of Climate Change and Decreasing Water Levels on Wetlands in the Great Lakes Region of North America.*

**4:46** Kiersten Newtoff\*, NASA DEVELOP Program - Goddard Space Flight Center; Kathryn Bradford, NASA DEVELOP Program - Goddard Space Flight Center; Jeffrey May, NASA DEVELOP Program - Idaho State University; Eric Smith, NASA DEVELOP Program - Idaho State University, *Using NASA Earth Observations to Create a Database and Determine Regional and Temporal Wildfire Susceptibility in Idaho Savannas.*

**5:04** Oliwia Baney\*, NASA DEVELOP Program - Ames Research Center; Cheryl Cary, NASA DEVELOP Program - Ames Research Center; Esther Essoudry, NASA DEVELOP Program - Ames Research Center; Juan Torres-Perez, NASA Ames Research Center - Bay Area Environmental Research Institute, *A Geospatial Assessment of Fire Events in the Great Basin Ecoregion and its Relation to Cheatgrass Spread Under Changing Climate Conditions.*

**5:22** Danielle Haskett\*, NASA DEVELOP Program - University of Georgia; Ike Sari Astuti, NASA DEVELOP Program - University of Georgia; Bradley Bartelme, NASA DEVELOP Program - University of Georgia; Shuvankar Ghosh, NASA DEVELOP Program - University of Georgia; Benjamin Page, NASA DEVELOP Program - University of Georgia; Caren Remillard, NASA DEVELOP Program - University of Georgia; Simmone Simpson, NASA DEVELOP Program - University of Georgia, *Developing a Cyanobacteria Detection Tool Using NASA LANDSAT-8 OLI Data for Water Quality Protection and Restoration.*

**5520. Closing the 'know-do' gap: Geographic case studies in Knowledge Translation II**

*Room:* Grand A, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Jenna Dixon, University of Waterloo

CHAIR(S): Jenna Dixon, University of Waterloo

**4:00** Patrick Driscoll, Aalborg University; Maxwell Hartt, University of Waterloo; Carrie L. Mitchell, PhD\*, University of Waterloo; Sarah Burch, PhD, University of Waterloo, *Communicating climate change adaptation: online databases, dissemination, and development in practice.*

**4:20** Maria Elisa Christie\*, Virginia Tech; Daniel Sumner, Virginia Tech; Stephane Boulakia, Centre de Cooperation Internationale en Recherche Agronomique pour le Developpement (CIRAD); Manuel Reyes, PhD, North Carolina Agriculture and Technology State University, *"Conservation Agriculture comes from the sky", or does it? Using participatory mapping to document gendered spaces of information exchange.*

**4:40** Katharina Schmidt\*, University of Hamburg, *Thinking cities through perspectives of homeless people.*

**5:00** Jenna Dixon, PhD\*, University of Waterloo; Susan J Elliott, PhD, University of Waterloo, *What is this thing called Knowledge Translation? What do scientists think of end users?.*

Discussant(s): Susan J. Elliott, University of Waterloo

**5527. The Politics of Natural Resource Governance in the American West II (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)**

*Room:* Grand Suite 5, Hyatt, East Tower, Gold Level (Paper Session)

ORGANIZER(S): Matthew Anderson, Eastern Washington

University; Jamie McEvoy, Montana State University

CHAIR(S): Jamie McEvoy, Montana State University

**4:00** Jeffrey S. Jenkins\*, University of California, Santa Cruz, *Rare earth at Bear Lodge: State access to economically strategic mineral development among competing political-legal land use regimes.*

**4:20** Melinda Harm Benson\*, University of New Mexico, *Legal Geographies of the Valles Caldera National Preserve.*



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**4:40** Erin Clover Kelly, PhD\*, Humboldt State University; Susan Charnley, PhD, Pacific Northwest Research Station, US Forest Service, *Forest Restoration at the Landscape Scale: Addressing Challenges of Collective Action in Mixed-Ownership Landscapes*.

**5:00** Hannah Gosnell\*, Oregon State University; Susan Charnley, USDA Forest Service Pacific Northwest Research Station, *Catalyzing a Transition to "Climate Smart" Grazing in the US West: Ranchers' Perspectives on the Role of Governance*.

**5:20** Julia Haggerty\*, Montana State Univ; Alex Leone, Montana State University, *Who Owns Montana? Amenity Migration, Control of Natural Capital and Property Politics*.

**5531. Radical teaching (Sponsored by Cultural and Political Ecology Specialty Group, Geography Education Specialty Group, Socialist and Critical Geography Specialty Group)**

*Room:* *Columbian, Hyatt, West Tower, Bronze Level* (Paper Session)

ORGANIZER(S): Sutapa Chattopadhyay, UNU-Merit & Maastricht University

CHAIR(S): James A. Tyner, Kent State University

Introducer: Leif Johnson

Discussant(s): Jeremy Tasch, Towson University; Richard Heyman, University of Texas at Austin

Panelists: Harald Bauder, Ryerson University; Sutapa Chattopadhyay, UNU-Merit & Maastricht University; Pierpaolo Mudu, University of Washington - Tacoma

**5535. The Role of Geography in Shaping Sustainability Agendas in the Higher Education - session 2 (Sponsored by Human Dimensions of Global Change Specialty Group, Geography Education Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)**

*Room:* *Picasso, Hyatt, West Tower, Bronze Level* (Paper Session)

ORGANIZER(S): Elena Lioubimtseva, Grand Valley State University; Mario A. Giraldo, Cal State Northridge

CHAIR(S): Elena Lioubimtseva, Grand Valley State University

**4:00** Joshua Long\*, Southwestern University, *Teaching Urban Sustainability: A critical, interdisciplinary approach to the sustainable city..*

**4:20** William J. Gribb\*, University of Wyoming, *A Spatial Analysis of Downtown Sustainability: Creating Indicators and Metrics for Laramie, WY.*

**4:40** Richard Ross Shaker, Ph.D.\*, Ryerson University, *Examining Patterns of Sustainability Across Europe: A Multivariate and Spatial Assessment of 25 Composite Indices.*

**5:00** Elena Lioubimtseva\*, Grand Valley State University, *Building Sustainable Communities Through Experiential Learning and Geographic Research: Campus as a Living Learning Lab..*

Discussant(s): Mario A. Giraldo, Cal State Northridge; James Eflin, Ball State University

**5536. Firm Dynamics and Regional Economic Change in Developing Economies (Sponsored by Economic Geography Specialty Group)**

*Room:* *Water Tower, Hyatt, West Tower, Bronze Level* (Paper Session)

ORGANIZER(S): Canfei He, Peking University; David L. Rigby, UCLA

CHAIR(S): David L. Rigby, UCLA

**4:00** Yi LIU\*, Sun Yat-sen University, *Divergent regional development trajectories and responses to the global economic crisis in the Pearl River Delta.*

**4:20** Alireza Farmahini Farahani\*, Clark University, *Is there any agency in lock-in? A critical but realist perspective to lock-in in the Iranian saffron cluster.*

**4:40** Godfrey Yeung\*, National University of Singapore; David Rigby, UCLA; Canfei He, Peking University, *Trajectories of industrial diversification and the evolution of technological capabilities within Chinese*

*cities in the 2000s.*

**5:00** Young-Long Kim\*, Clark University, *Open public big data as a resource for the location decision of small businesses.*

**5:20** Canfei He\*, Peking University, *Technological Relatedness, Variety and Firm Survival in China.*

**5537. Ethnic and Immigrant Geography**

*Room:* *Wrigley, Hyatt, West Tower, Bronze Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jose Longo, University of Puerto Rico

**4:00** Hwayong Lee\*, Ewha Womans University, *The aspects of Chinese ethnic enclave and ghetto in Seoul, South Korea.*

**4:20** Pietro Dominic Teodorescu\*, Uppsala University, *On the Urban Margins: A Contextualisation of Romanian Housing and Planning Policies for Deprived Roma.*

**4:40** Philip Brown, PhD, CPsychol\*, University of Salford, *The Limits of Inclusion? Everyday social relations between Roma and non Roma populations in the European Union.*

**5:00** Oded Haas\*, York University, *The 'gray spaces' of the Wild West (Bank): settler informality as state practice.*

**5:20** Jose M. Longo\*, University of Puerto Rico, *The Historical and Geographical Context of the Disciples of Christ in Puerto Rico.*

**5538. Decolonial Nature(s) (Sponsored by Indigenous Peoples Specialty Group)**

*Room:* *Acapulco, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Nicholas Brown, University of Iowa

CHAIR(S): Nicholas Brown, University of Iowa

**4:00** Clint Carroll\*, University of Minnesota, *Native Enclosures: Tribal National Parks in the United States and Canada.*

**4:20** Beth Rose Middleton, PhD\*, UC Davis, *Indigenous, Decolonial Approaches to Environmental Market-Based Solutions.*

**4:40** Nicholas A Brown, PhD\*, University of Iowa, *Preserving the Logic of Elimination through Continental Conservation.*

**5:00** Colin Robert Sutherland\*, University of British Columbia; Colin Robert Sutherland, University of British Columbia, *Whose Arctic? Exploring southern-Canadian narratives of the Canadian Arctic through pollution policy.*

Discussant(s): Emilie Cameron, Carleton University

**5541. (formerly 5539) Forest and Climate Change**

*Room:* *Atlanta, Hyatt, West Tower, Gold Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mirsiavash Ejlali, Indiana State University

**4:00** Johanna Desprez\*, Purdue University; Songlin Fei, PhD, Purdue University; Christopher Oswalt, PhD, USDA Forest Service, *Tree species directional responses to climate change in the eastern U.S..*

**4:20** Mirsiavash Ejlali\*, Indiana State University, *Biodiversity Surrogates: Focal species approach -The case of Terre Haute Indiana.*

**4:40** Daryn Hardwick\*, University of Oklahoma; Bruce Hoagland, University of Oklahoma, *Using biological survey data to discern macroecological relationships in trees.*

**5:00** Alexander I. Zvoleff\*, Conservation International; Jorge A. Ahumada, Conservation International; Eric Fegraus, Conservation International, *Monitoring network design for measuring the effects of climate change on tropical forests.*

**5546. Interrogating the Limits of (Im)perceptibility (2) (Sponsored by Cultural Geography Specialty Group)**

*Room:* *San Francisco, Hyatt, West Tower, Gold Level* (Paper Session)

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ORGANIZER(S): Rebecca Ellis, Lancaster University; Astrid Schrader, University of Exeter; Sarah Casey, Lancaster University

CHAIR(S): Sarah Casey, Lancaster University

4:00 Astrid Schrader, Dr.\*, University of Exeter, *Unsettling Life/Death in the Anthropocene with Marine Microbes*.

4:20 Rebecca Ellis, Dr.\*, Lancaster University, *The (Im) Possibilities of the Multiverse: holding a space between testimony and ontology*.

4:40 Fiona Crisp, Reader in Fine Art\*, Northumbria University UK, *Negative Capability: Imaging and Imagining Fundamental Science*.

5:00 Calder Harben\*, Calder Harben, Kunstakademiet, University i Tromsø, *Re-Sensing Contingencies of Coexistence: Calling on Vardøgers, Nordic 'double-goers', and other queer 'Future-Backwards-Reachers'*.

Discussant(s): Deborah Dixon, University of Glasgow

## 5551. Fetishes of Water Governance II (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Stetson A, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Jeremy J. Schmidt, Dalhousie University; Raul Pacheco-Vega, Centro de Investigacion y Docencia Economica (CIDE, AC); Oriol Miroso, University of Wisconsin - Milwaukee

CHAIR(S): Oriol Miroso, University of Wisconsin - Milwaukee

4:00 Michele-Lee Moore\*, University of Victoria; Karena Shaw, University of Victoria; Heather Castleden, Queen's University; Megan Kot, Dalhousie University; Rosanna Breiddal, University of Victoria; Mathew Murray, University of Victoria, *We need more data": why monitoring alone will not solve complex water governance dilemmas for hydraulic fracturing*.

4:20 Raul Pacheco-Vega\*, Centro de Investigacion y Docencia Economica (CIDE, AC), *Citizen Participation in Water Governance as a Fetish? Explaining Mexico's Integrated Water Resource Management Implementation Failure*.

4:40 Jeremy J. Schmidt\*, Dalhousie University; Nathaniel Matthews, Global Research Coordinator, CGIAR Program on Water, Land and Ecosystems, *Placing the nexus: evaluating the transition from water management to water governance*.

5:00 Catherine Marie Ashcraft, PhD\*, University of New Hampshire, *Institutions for Managing Conflict in International Rivers: A case of form fetish?*.

Discussant(s): Kathryn Furlong, Université De Montréal

## 5552. Multi-temporal Analysis of Remote Sensing Data: Methods and Applications II (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Stetson BC, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Le Wang, SUNY at Buffalo; Cuizhen Wang, University of South Carolina

CHAIR(S): Cuizhen Wang, University of South Carolina

4:00 Sory Toure\*, San Diego State University; Douglas Stow, Pr, San Diego State University, *Land Cover and Land Use Change Analysis Using Multi-Spatial Resolution Data and Object-Based Image Analysis*.

4:20 Firooza Pavri\*, University of Southern Maine, *Land use change and habitat fragmentation across a vulnerable freshwater system in northern New England*.

4:40 Bassil El Masri\*, Murray State University, *Examining the spatial and temporal variability of soil moisture in Kentucky, using a land surface model, remote sensing and observational data*.

5:00 Lei Zou\*, Louisiana State University; Nina Lam, Louisiana State University; Yi Qiang, Louisiana State University; Kenan Li, Louisiana State University; Heng Cai, Louisiana State University, *A Genetic Algorithm*

*Optimized Agent-based Modelling of Land Loss and Urban Growth in the Lower Mississippi River Basin*.

5:20 Willem J.D. Van Leeuwen\*, University of Arizona - Arizona Remote Sensing Center - School of Geography and Development; Kyle Hartfield, University of Arizona - School of natural Resources and the Environment, *Remotely Sensed Woody Plant Encroachment Dynamics in the Southern Great Plains*.

## 5553. The Economic Geography of China (Sponsored by China Specialty Group)

Room: Stetson D, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): David W. Edgington, University of British Columbia

CHAIR(S): Chen Chen, Louisiana State University

4:00 WANG FA HUI; Chen Chen\*, Louisiana State University; CHEN CHEN, *Location analysis of retail stores in Changchun, China: A street centrality perspective*.

4:20 Weidong Liu\*, Chinese Academy of Sciences; Jialing Zou, Mr., Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, *Recent Spatial Changes of China's Foreign Trade and Its Economic Impacts*.

4:40 Chao Ye\*, Nanjing Normal University, *At the beginning of modernization and modern geography: a comparative study on China and Japan*.

5:00 Li LI\*, Peking University, *Productivity spillover from Foreign Direct Investment in China: a meta-regression analysis*.

## 5554. Affective Ecologies, Living Economies and Alternate Ways of Valuing Nature: Session VII (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Stetson E, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Neera Singh, University of Toronto; Katja Grotzner Neves, Concordia University; Mamta Vardhan, University of Alberta

CHAIR(S): Maria Cristina Cielo

4:00 Marinda Griffin\*, University of North Texas, *Refugee Agriculture and Community-Based Food Economies: Empowering the Displaced and Challenging the Norm*.

4:20 Maria Cristina Cielo\*, Nancy Carrión, *The Transformation of Care in Sites of Ecuador's Petroleum Circuit*.

4:40 Parvathy Binoy\*, Syracuse University, *After the floods: disposability and the everyday in Kedarnath, Himalaya*.

5:00 Amy Zhang\*, Yale University, *Bodies, Communities, Rivers: Affect and matter in China's organic waste DIY project*.

Discussant(s): Katja Grotzner Neves, Concordia University

## 5555. Investing in the Global Land Rush III: Alternative Ontologies and Livelihoods (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: Stetson F, Hyatt, West Tower, Purple Level (Paper Session)

ORGANIZER(S): Julian S. Yates, University of British Columbia; Jenny Elaine Goldstein, University of California - Los Angeles

CHAIR(S): Philippe Le Billon, University of British Columbia

4:00 Rebecca Elmhirst\*, University of Brighton; Mia Siscawati\*, Universitas Indonesia; Bimbika Sijapati Basnett, Center for International Forestry Research (CIFOR), *Gendered Ontologies of Land and the Impact of Large-Scale Oil Palm Investments in East Kalimantan, Indonesia*.

4:20 Jennifer Bartmess\*, University of Zurich, *Communal Title in Sabah, Malaysia: Rendering Native Customary Lands Investable*.

4:40 Sarah Franzen\*, Emory University, *Contested Landscapes: Film Narratives and the Meaning of Land Rights*.

5:00 Knut G. Nustad\*, University of Oslo, *Creating land as*

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*investable and as nature: shifting ontologies in a South African World Heritage Site.*

## 5557. Geostatistical and Spatial Statistical Applications

**Room:** *Addams, Hyatt, West Tower, Silver Level* (Paper Session)  
ORGANIZER(S): Melissa J. Tolene Rura, United Methodist  
Neighborhood Centers of Memphis

CHAIR(S): Jamison F. Conley, West Virginia University

**4:00** Ying Liu\*, Texas Tech University; Guofeng Cao,  
*Geostatistical Downscaling of Gridded PM2.5  
Concentration Datasets Using Nighttime Light  
Imagery.*

**4:20** Kevin A. Butler, Ph.D.\*, Esri; Brian D. Carson, M.S., Esri,  
*Testing Kriging-Based Areal Interpolation for Census-  
Based Socioeconomic Data.*

**4:40** Jamison F. Conley\*, West Virginia University; Brent  
McCusker, West Virginia University; Timothy Essam,  
United States Agency for International Development,  
*Geostatistics and Spatial Statistics to Support  
International Development.*

## 5558. Conflict ecology through an intradisciplinary lens (Sponsored by Political Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Radical Intra-Disciplinarity Theme, Ethics, Justice, and Human Rights Specialty Group)

**Room:** *Burnham, Hyatt, West Tower, Silver Level* (Paper Session)  
ORGANIZER(S): Jamon Van Den Hoek, NASA Goddard  
Space Flight Center; Madeeha Merchant, Columbia  
University

CHAIR(S): Jamon Van Den Hoek, NASA Goddard Space Flight  
Center

**4:00** Laura Kurgan, Columbia University; Madeeha Yaseen  
Merchant\*, Columbia University, *Conflict  
Infrastructure.*

**4:20** Jamon Van Den Hoek, PhD\*, NASA Goddard Space  
Flight Center, *War as a land use: Gauging the  
spatiotemporally explicit environmental conditions and  
consequences of armed conflict.*

**4:40** Stephen P Aldrich, PhD, GISP\*, Indiana State University,  
*A Fractal Break in the Forests of the Eastern Amazon?  
Searching for Thresholds of Forest Configuration in  
Contentious Land Change.*

**5:00** Kyra Marie Reynolds\*, Ulster University, *The Environment  
as a Means for Cooperation? : The Case of Joint  
Israeli-Palestinian Resistance in the Greater  
Bethlehem Area.*

## 5559. DISTurbANCE, Crisis, and Creative Construction (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Energy and Environment Specialty Group)

**Room:** *Dusable, Hyatt, West Tower, Silver Level* (Paper Session)  
ORGANIZER(S): Brian C. Chaffin, National Risk Management  
Research Laboratory, U.S. EPA; David J. Wrathall,  
United Nations University - Institute for Environment  
and Human Security; Betsy A. Beymer-Farris  
CHAIR(S): Brian C. Chaffin, National Risk Management  
Research Laboratory, U.S. EPA

Introducer: Brian C. Chaffin

**4:15** Timothy D. Baird\*, Virginia Tech, *An Innovation  
Disturbance Hypothesis.*

**4:30** Pheakkdey Nguon\*, Clark University; Dominik  
Kulakowski, Dr., Clark University, *Natural forest  
disturbances and the design of REDD+ initiatives.*

**4:45** J. Anthony Stallins\*, University of Kentucky, *Coastal  
engineering as crisis and opportunity: disturbance as  
a tool to track and anticipate the domain and threshold  
state space of barrier dunes.*

**5:00** David J. Wrathall, PhD\*, United Nations University -  
Institute for Environment and Human Security; Kendra  
McSweeney, PhD, Ohio State University; Erik Nielsen,

PhD, Northern Arizona University; Zoe Pearson,  
Ohio State University, *Regime shift for whom, to what  
ends?: Narco-trafficking as disturbance in the Meso-  
American Biological Corridor.*

**5:15** Hannah E. Birge, M.S.\*, University of Nebraska-Lincoln;  
Craig R Allen, PhD, Nebraska Cooperative Fish  
& Wildlife Research Unit; Dirac Twidwell, PhD,  
University of Nebraska-Lincoln, *Not all disturbances  
are created equal.*

Introducer: Betsy A. Beymer-Farris

## 5560. Using advanced remote sensing techniques to understand ecosystem functions (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group)

**Room:** *Field, Hyatt, West Tower, Silver Level* (Paper Session)  
ORGANIZER(S): Amirhossein Tayyebi, University of Iowa;  
Amin Tayyebi, University of Wisconsin-Madison

CHAIR(S): Amirhossein Tayyebi, University of Iowa

**4:00** Jeremy W Aber\*, Middle Tennessee State University, *Kite  
Aerial Photography Monitoring of Vegetation Change.*

**4:20** Patrick Nelson\*, Penn State, *Imagery Interpretation in the  
Google Earth Era.*

**4:40** Shuvankar Ghosh\*, Department of Geography, University  
of Georgia; Deepak Mishra, Department of Geography,  
University of Georgia, *A comparative evaluation of  
established noise correction techniques on MODIS  
derived salt marsh phenology.*

**5:00** Jeffrey Brewer\*, University of Cincinnati, *Airborne LiDAR  
Analysis and Excavation of Water Resources at the  
Ancient Maya Site of Yaxnohcah, Central Yucatan.*

**5:20** Amirhossein Tayyebi\*, University of Iowa; Heather Sander,  
Dr., University of Iowa, Department of Geographical  
and sustainability sciences, *Developing Risk Maps  
to Assess Uncertainty in Land-change Models:  
Implications for Uncertainty Propagation from  
Suitability Map to Simulated Map.*

## 5562. Pedagogies of Peace-Building, Democracy and Development II (Sponsored by Political Geography Specialty Group)

**Room:** *McCormick, Hyatt, West Tower, Silver Level* (Paper Session)  
ORGANIZER(S): Lynn Staeheli, Durham University

CHAIR(S): Alex Jeffrey, University of Cambridge  
**4:00** Jenna Christian\*, Pennsylvania State University, *Frontlines  
of citizenship education: military recruiting, peace  
activism, and the everyday lives of high school teens in  
Houston, Texas.*

**4:20** Joaquin Villanueva\*, Gustavus Adolphus College, *"Judicial  
evangelization": Pedagogics of the law in the French  
banlieue.*

**4:40** Carl Thor Dahlman, Prof.\*, Miami University, *Pedagogy of  
the Self-Obsessed: Teaching American Students Peace-  
Building in Kosovo.*

**5:00** Chloe Buire\*, University of Durham, *Performing a New  
Model of Active and Activist Citizenship in South  
Africa.*

Discussant(s): Lynn Staeheli, Durham University

## 5564. Micropolitics and the minor II (Sponsored by Cultural Geography Specialty Group)

**Room:** *Wright, Hyatt, West Tower, Silver Level* (Panel Session)  
ORGANIZER(S): Joe Gerlach, University of Oxford; Thomas  
Jellis, University of Oxford

CHAIR(S): Joe Gerlach, University of Oxford

Panelists: Cindi Katz, CUNY Graduate Center; Kathryn Yusoff,  
Queen Mary University of London; Michele Lancione,  
University of Cambridge; Ben Anderson, Durham  
University; Andrew Barry, University College London

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## 5565. Critical Cartography and Public Discourse (Sponsored by Cartography Specialty Group)

- Room:** Michigan A, Hyatt, East Tower, Ped Path (Paper Session)  
 ORGANIZER(S): Barry Joel Kronenfeld, Eastern Illinois University  
 CHAIR(S): Jesus Granados Sanchez, University of Glasgow  
**4:00** Christine Leuenberger, Dr.\*, Cornell University, *Mapping the West Bank Wall: International Law as a Discursive Tool in Visual Arguments.*  
**4:20** Evan Chapman\*, Miami University, *Maps, Markers, and Dialogue: Evaluating a New Method to Gauge Perceptions of Changing Landscapes.*  
**4:40** Timothy Hawthorne\*, Georgia State University, *Critical Reflection Mapping as a Hybrid Methodology for Examining Socio-Spatial Perceptions of New Research Sites.*  
**5:00** Aoife Corcoran, University College Dublin; Zorica Nedovic-Budic\*, University College Dublin, *Geo ICT design for urban resilience.*

## 5567. Authorship and Authority: Piracy, Plagiarism, and Truth in Geographical Writing (Sponsored by History of Geography Specialty Group, Cultural Geography Specialty Group)

- Room:** Michigan C, Hyatt, East Tower, Ped Path (Paper Session)  
 ORGANIZER(S): Dean W Bond, University of Toronto; Innes M. Keighren, Royal Holloway, University of London  
 CHAIR(S): Charles W.J. Withers, University of Edinburgh  
**4:00** Innes M. Keighren\*, Royal Holloway, University of London, *"Consistent neither with candour nor truth": negotiating authorship and authority in William Macintosh's "Travels in Europe, Asia, and Africa" (1782).*  
**4:20** Nicola J Thomas, Dr\*, University of Exeter, *"Notes on Mr Vaughan Cornish's Observations of Sand Dunes": contested claims of an author, editor and reviewer..*  
**4:40** Anne Peale\*, University of Edinburgh, *Selected Travels: John Murray III and Narratives of Exploration in the Later Nineteenth Century.*  
**5:00** Charlotta Forss\*, Stockholm University, Sweden, *'So as to better show the world to us, the people in the North' - Truth and perspective in early modern Swedish geography.*  
**5:20** Dean W. Bond\*, University of Toronto, *Plagiarists, Enthusiasts, and Periodical Geography: On the Role of Credibility and Authority in Anton Friedrich Büsching's "Wöchentliche Nachrichten" (1773-1787).*

## 5577. Food Sovereignty and Food Security IV: North America (Sponsored by Cultural and Political Ecology Specialty Group)

- Room:** Alpine 2, Swissôtel, Lucerne Level (Paper Session)  
 ORGANIZER(S): RDK Herman, National Museum of the American Indian  
 CHAIR(S): Valentine Rinner  
**4:00** Walter William Furness\*, Northern Illinois University, *Produce in the landscape: Food sovereignty and community gardens in Rockford, IL.*  
**4:20** Grace Kellner\*, University of Denver, *Community Gardens and Food Justice in Denver, Colorado.*  
**4:40** Christine M. Mitchell, Ph.D.\*, FAU Geosciences, *Invisible Alternative Livelihood Strategies in North America: Latino/a Immigrants and North American Public Lands.*  
**5:00** Valentine Rinner\*, Department of Geography, McGill University; Daniel Haberman, Department of Natural Resource Sciences, McGill University; Laura Gillies, Department of Geography, McGill University; Aryeh Canter, Department of Geography, McGill University; Laetitia Pancrazi, Bartlett School of Planning, University College London; Federico Martellozzo, Department of Methods and Models for Economics, Territory and Finance, La Sapienza University of

Rome, *Hidden urban vegetable land, a Montréal geomatic case study.*

## 5578. Agricultural Commodity

- Room:** Zermatt/Gstaad, Swissôtel, Lucerne Level (Paper Session)  
 ORGANIZER(S): Program Committee  
 CHAIR(S): Marcellus Caldas, Kansas State University-Geography  
**4:00** Nari Kim, Ph D. student\*, Chonnam National University, *Institutionalization of South Korean Native Beef Production and the Characteristics of Commodity Chain..*  
**4:20** Sean F Kennedy, MURP\*, UCLA/ICRAF, *The Issue-Attention Gap and Secondary Certification Adoption: Implications for Natural Rubber Value Chain Dynamics and Governance.*  
**4:40** Marcellus Caldas, Dr\*, Kansas State University-Geography; Gabriel Granco, Mr., Kansas State University-Geography; Jason Bergtold, Dr., Kansas State University-Geography; Chris Brown, Dr., University of Kansas, *How sugarcane ethanol expansion impacts the Brazilian Cerrado land use: intensification or extensification?.*

## 5579. Mountain Connectivity Conservation and Development (Sponsored by Biogeography Specialty Group, Development Geographies Specialty Group, Mountain Geography Specialty Group)

- Room:** St. Moritz, Swissôtel, Lucerne Level (Paper Session)  
 ORGANIZER(S): Fausto O. Sarmiento, University of Georgia  
 CHAIR(S): Lynn Resler, Virginia Tech  
 Introducer: Lynn Resler  
**4:03** Mark Richard Welford, PhD, FRGS\*, Georgia Southern University, *Cows to Lodges: re-forestation, ecotourism, and oil pipeline construction in northwestern Ecuador.*  
**4:23** Swetha Peteru\*, Texas A&M University, *Conservation and Development through Agroforestry In Central Peru.*  
**4:43** Gang Shao\*, Purdue University; Songlin Fei, Department of Forestry and Natural Resource, Purdue University; Buddhika D Madurapperuma, Department of Forestry and Natural Resource, Purdue University; Guofan Shao, Department of Forestry and Natural Resource, Purdue University, *Using Airborne Lidar Data to Estimate of Forest Interior Condition: a Case Study of Southern Appalachian Mountains.*  
**5:03** Ian Florin\*, University of Geneva, *Materializing and naturalizing a collective identity : constructing the mountainous backbone of Korea.*  
**5:23** Fausto O. Sarmiento, PhD\*, University of Georgia, *Andean Farmscape Dynamics: Sacred Mountains and Kinwa in Imbakucha Watershed.*

## 5580. Oil and Gas Extraction: Industry, Impacts, Conflicts, Class, and Responses (Sponsored by Rural Geography Specialty Group)

- Room:** Grindelwald, Swissôtel, Lucerne Level (Paper Session)  
 ORGANIZER(S): Jill K. Clark, John Glenn School of Public Affairs, Ohio State University  
 CHAIR(S): Jill K. Clark, John Glenn School of Public Affairs, Ohio State University  
**4:00** Avantika A Ramekar\*, Kansas State University; Bimal K Paul, Kansas State University, *Will the growing oil and gas industries help revive Kansas population?.*  
**4:20** Jill K. Clark, PhD\*, John Glenn School of Public Affairs, Ohio State University; Michael R Betz, PhD, Department of Human Science, Ohio State University; Xiang Chen, PhD, College of Engineering & Applied Sciences, Arkansas Tech University, *Producing Energy, Protecting Food: The Impact of Shale Energy Development on Food Access in Rural Communities.*  
**4:40** Gretchen Leigh Sneegas\*, University of Georgia, *"I sit with the Walmarks": Representations of fracking, risk, and*

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*class in the Pennsylvania and New York dairyscape.*  
**5:00** Ben Zebrasky\*, Miami University, *Fracking Western*  
*Pennsylvania: Community Resistance and the Role of*  
*Place.*  
Discussant(s): Shanon Donnelly, University of Akron



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

*For special events, please see the Special Events & Meetings Summary on pages 56-60.*

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1133,1141,1145,1157,1197,1202,1205,1208,1216,1229,1405,1411,1416,1420,1429,1442,1474,1580,1588,1592,2131,2140,2165,2221,2225,2232,2239,2257,2466,2470,2489,2524,2570,2652,2665,2669,2680,3117,3146,3180,3208,3229,3233,3252,3260,3402,3429,3435,3436,3457,3460,3516,3528,3536,3551,3560,3626,4125,4127,4173,4227,4251,4270,4370,4418,4518,4627,4631,4654,5122,5125,5126,5142,5147,5154,5167,5208,5225,5464,5467,5478,5537

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1130,1141,1145,1158,1205,1266,1274,1405,1442,1468,1484,1617,1620,1656,1663,2102,2131,2233,2265,2431,2465,2470,2479,2531,2565,2570,2665,3110,3131,3143,3150,3154,3155,3167,3231,3233,3242,3415,3429,3457,3475,3558,4124,4127,4177,4215,4222,4231,4418,4518,4581,5125,5126,5175,5208,5214,5227,5247,5435,5447,5464,5467,5478,5520,5546,5553,5567

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1106,1109,1145,1157,1161,1168,1182,1222,1441,1484,1584,1592,1621,1656,2125,2137,2138,2165,2186,2214,2243,2436,2452,2453,2470,2479,2519,2537,2546,2570,2581,2636,2656,3110,3154,3157,3160,3215,3229,3415,3454,3456,3470,3511,3554,3563,3570,3611,3628,4120,4130,4137,4153,4225,4270,4350,4370,4409,4431,4531,4537,4565,4613,4681,5106,5157,5206,5241,5265,5406,5420,5435,5467,5506,5535,5560,5562

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1115,1209,1281,1415,1461,1476,1486,1493,1515,1586,1590,2128,2135,2143,2187,2279,2287,2295,2427,2470,2481,2487,2506,2570,2581,2587,2609,2637,2665,3122,3225,3263,3264,3432,3464,3470,3564,3567,3570,3621,4130,4153,4155,4227,4246,4255,4270,4276,4370,4408,4426,4428,4460,4476,4528,4559,4651,5131,5202,5406,5425

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1110,1131,1137,1159,1162,1173,1181,1215,1216,1218,1231,1237,1252,1254,1262,1281,1295,1420,1438,1445,1452,1454,1473,1478,1481,1486,1495,1501,1518,1538,1545,1554,1559,1560,1630,1648,1653,1665,1678,2106,2108,2120,2124,2136,2137,2155,2156,2159,2162,2169,2185,2222,2224,2236,2256,2290,2295,2401,2420,2450,2451,2459,2469,2470,2501,2519,2526,2554,2569,2570,2657,2664,2681,3110,3111,3138,3144,3157,3181,3221,3222,3262,3409,3417,3447,3449,3465,3470,3478,3479,3526,3547,3553,3566,3570,3577,3647,3665,4147,4157,4162,4165,4210,4251,4253,4263,4266,4267,4270,4273,4370,4426,4427,4505,4516,4526,4559,4562,4568,4626,4644,4651,4673,4677,5124,5156,5166,5169,5218,5231,5235,5245,5260,5280,5402,5460,5476,5520,5538,5539,5559,5578

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1102,1116,1119,1163,1169,1179,1181,1216,1269,1279,1447,1453,1486,1494,1506,1515,1522,1540,1545,1547,1551,1569,1586,1593,1617,1638,1647,1648,1680,2128,2138,2145,2146,2147,2148,2149,2156,2169,2184,2185,2206,2246,2248,2252,2253,2266,2284,2291,2295,2401,2405,2409,2421,2437,2447,2458,2459,2461,2463,2470,2480,2481,2497,2511,2532,2561,2566,2570,2580,2587,2592,2594,2632,2647,2659,2663,3146,3157,3179,3181,3210,3237,3247,3255,3256,3263,3279,3419,3420,3421,3447,3452,3468,3470,3481,3518,3525,3532,3537,3547,3565,3568,3570,3606,3610,3637,3647,3655,3661,3669,3677,4108,4125,4133,4136,4145,4147,4163,4175,4247,4257,4262,4270,4370,4440,4445,4455,4463,4514,4536,4563,4622,4624,4632,4647,4678,5109,5110,5111,5122,5124,5139,5162,5202,5255,5260,5266,5406,5431,5454,5455,5459,5477,5527,5555,5577

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3470,3539,3547,3566,3568,3570,3580,3609,3610,3620,3646,3653,3666,3668,3677,4130,4133,4136,4148,4209,4230,4236,4247,4256,4267,4270,4370,4411,4431,4436,4481,4527,4531,4546,4556,4563,4577,4609,4624,4644,4647,4648,4656,4663,4677,4678,5131,5139,5153,5156,5158,5213,5231,5239,5256,5411,5452,5459,5527,5552,5558,5559,5560,5578,5579

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1101,1108,1115,1116,1158,1202,1229,1233,1258,1426,1429,1433,1447,1452,1463,1492,1493,1525,1539,1540,1546,1639,1673,2102,2128,2133,2147,2158,2165,2181,2201,2202,2210,2231,2276,2470,2505,2527,2531,2545,2554,2561,2570,2638,2666,3152,3211,3236,3237,3253,3410,3432,3437,3438,3439,3470,3517,3531,3535,3570,3661,3678,3681,4127,4136,4148,4167,4180,4281,4431,4433,4457,4459,4520,4525,4564,4574,4608,4631,4653,5116,5121,5124,5136,5154,5164,5214,5256,5264,5406,5418,5425,5431,5435,5579

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1130,1137,1143,1157,1159,1160,1179,1183,1193,1216,1219,1220,1240,1246,1247,1261,1266,1281,1292,1294,1295,1430,1438,1452,1469,1490,1492,1509,1528,1532,1535,1541,1560,1566,1575,1580,1592,1597,1617,1622,1628,1642,1645,1647,1666,1679,1680,2106,2111,2132,2137,2140,2155,2176,2185,2188,2202,2220,2221,2232,2248,2259,2267,2281,2285,2294,2297,2401,2411,2421,2431,2435,2437,2448,2457,2466,2468,2470,2473,2485,2488,2497,2532,2535,2570,2575,2605,2606,2611,2642,2645,2668,3108,3117,3137,3206,3217,3237,3244,3247,3255,3269,3280,3415,3447,3460,3470,3481,3501,3505,3508,3526,3530,3532,3535,3563,3569,3570,3579,3621,3655,3659,3665,3679,4144,4147,4163,4167,4178,4181,4214,4241,4245,4251,4256,4263,4270,4279,4370,4402,4421,4423,4431,4441,4454,4460,4463,4478,4502,4505,4532,4533,4550,4561,4563,4573,4581,4602,4605,4629,4630,4633,4642,4644,4647,4661,4663,5114,5116,5130,5136,5144,5154,5162,5175,5178,5211,5229,5230,5235,5237,5239,5242,5244,5255,5260,5266,5277,5418,5454,5460,5462,5464,5505,5514,5551,5554,5558,5560,5579

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1157,1259,1557,2178,2470,2509,2570,3176,3215,3428,4102,4270,4370

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1144,1177,1210,1249,1261,1277,1292,1442,1460,1476,1483,1488,1533,1625,1651,1676,2105,2130,2191,2192,2205,2259,2274,2276,2423,2438,2439,2440,2441,2462,2470,2481,2485,2490,2494,2509,2523,2538,2539,2541,2570,2626,2638,2639,2640,2641,2666,3121,3125,3138,3139,3141,3153,3206,3233,3238,3239,3240,3241,3402,3439,3440,3441,3470,3517,3536,3537,3539,3540,3541,3570,3577,3609,3633,3637,3639,3641,3653,3681,4105,4124,4138,4139,4140,4141,4148,4167,4177,4181,4205,4208,4219,4232,4238,4239,4240,4241,4270,4277,4280,4370,4402,4411,4414,4433,4438,4439,4440,4441,4459,4532,4539,4540,4541,4548,4611,4638,4639,4640,5121,5132,5138,5141,5177,5221,5238,5241,5242,5275,5447,5520,5577

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1515,1611,2552,2611,5477

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1140,1144,1155,1208,1216,1244,1266,1292,1422,1439,1483,1530,1549,1563,1630,1679,2126,2189,2257,2275,2297,2409,2424,2447,2462,2470,2524,2567,2570,2580,2667,2669,2676,3144,3206,3233,

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1251,1262,1297,1426,1451,1457,1497,1510,1543,1583,1591,1643,  
2115,2157,2162,2239,2241,2258,2435,2470,2473,2477,2505,2535,  
2556,2570,2583,2588,2639,2652,2669,3121,3129,3144,3167,3168,  
3244,3267,3274,3280,3406,3418,3422,3427,3429,3439,3478,3509,  
3522,3527,3565,3579,3619,3637,3659,4164,4178,4205,4228,4253,  
4278,4279,4401,4405,4422,4423,4464,4478,4520,4521,4530,4539,  
4578,4630,4659,5101,5124,5147,5153,5161,5177,5201,5206,5218,  
5229,5240,5247,5260,5476,5527

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1105,1140,1222,1268,1455,1493,1539,1542,1630,1639,2115,2140,  
2162,2240,2262,2462,2470,2479,2505,2537,2567,2569,2570,2619,  
2635,2662,3142,3233,3269,3479,3531,3535,4423,4436,4569,4681,  
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1137,1176,1273,1418,1452,1461,1486,1525,1552,1669,2101,2124,  
2135,2188,2201,2224,2237,2240,2279,2458,2631,3111,3122,3409,  
3470,3537,3555,3570,4126,4155,4226,4270,4370,4411,4426,4526,  
5123,5158,5420,5554,5579

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1115,1116,1177,1181,1211,1252,1286,1417,1447,1490,1505,1515,  
1537,1617,1629,1675,2119,2137,2201,2285,2446,2448,2460,2463,  
2467,2470,2484,2501,2545,2560,2570,2576,2584,2595,2645,2655,  
2656,3111,3137,3151,3208,3211,3221,3237,3247,3255,3269,3280,  
3421,3446,3470,3509,3517,3569,3570,3621,3655,3661,3681,4125,  
4129,4144,4165,4176,4226,4229,4270,4276,4279,4370,4432,4454,  
4463,4502,4516,4554,4605,4609,4624,4629,4636,4661,4678,5130,  
5135,5169,5202,5205,5230,5253,5258,5266,5402,5405,5452,5455,  
5505,5527,5551,5580

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1253,1573,1678,2137,2146,2240,2645,3465,3470,3570,4130,5132

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1493,2119,2495,2523,3244,3470,3570,4270,4370,4436,4576,5124

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1109,1115,1173,1215,1216,1273,1415,1452,1461,1478,1493,1515,  
1518,1573,1578,1586,1590,1615,1618,1638,1673,1675,1678,2101,  
2108,2110,2135,2137,2169,2187,2192,2201,2224,2237,2269,2287,  
2401,2433,2451,2469,2470,2487,2506,2537,2570,2609,2637,2679,  
3122,3131,3137,3164,3181,3222,3410,3421,3438,3464,3470,3511,  
3564,3568,3570,3610,3678,4126,4130,4153,4155,4164,4177,4226,  
4236,4246,4255,4270,4276,4370,4426,4428,4448,4526,4546,4562,  
4565,4577,4626,4628,5109,5131,5253,5259,5435,5478,5539,5552

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1163,1166,1175,1179,1183,1235,1264,1274,1279,1410,1494,1497,  
1551,1609,1622,1625,1629,1658,1667,1669,2122,2132,2148,2159,  
2197,2222,2245,2259,2267,2405,2452,2459,2470,2483,2493,2505,  
2546,2570,2575,2583,2585,2611,2619,2680,3105,3108,3206,3256,  
3452,3463,3510,3525,3637,3639,4109,4175,4181,4208,4229,4254,  
4270,4370,4409,4411,4457,4464,4525,4628,4650,4656,4668,5105,  
5109,5111,5121,5137,5202,5211,5431,5465,5535

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1254,1261,1405,1454,1518,1532,1554,2154,2231,2237,2254,2401,  
2415,2437,2451,2470,2510,2537,2551,2554,2570,2654,3131,3470,  
3570,4270,4370,4409,4525,4577,5402,5538,5546

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1116,1132,1135,1136,1140,1141,1144,1146,1150,1156,1165,1166,  
1168,1176,1179,1182,1192,1194,1202,1208,1222,1235,1236,1240,  
1241,1242,1244,1245,1246,1249,1250,1255,1257,1263,1265,1266,  
1278,1292,1294,1295,1402,1405,1410,1411,1416,1420,1431,1432,  
1441,1442,1446,1447,1449,1452,1454,1455,1456,1458,1468,1481,  
1490,1492,1494,1495,1501,1502,1506,1516,1525,1528,1530,1531,  
1532,1535,1539,1541,1542,1549,1550,1551,1553,1555,1558,1563,  
1583,1591,1620,1622,1630,1631,1632,1639,1641,1642,1659,1661,  
1667,1679,1680,2114,2115,2126,2131,2136,2140,2141,2145,2149,  
2151,2155,2157,2158,2162,2167,2175,2176,2177,2189,2191,2197,  
2202,2215,2219,2221,2232,2239,2240,2242,2245,2248,2253,2255,  
2257,2262,2267,2275,2280,2281,2289,2293,2294,2297,2402,2409,  
2415,2420,2421,2424,2426,2450,2453,2460,2462,2463,2465,2470,  
2473,2479,2484,2489,2493,2505,2519,2521,2524,2528,2532,2535,  
2546,2554,2555,2557,2560,2567,2570,2575,2583,2591,2592,2593,  
2595,2619,2624,2632,2642,2645,2646,2654,2655,2658,2662,2665,  
2667,2673,2675,2678,2681,3105,3116,3117,3118,3129,3142,3143,  
3145,3151,3179,3180,3206,3210,3212,3216,3229,3231,3233,3243,3250,  
3251,3252,3256,3257,3260,3262,3273,3279,3280,3402,3409,3416,  
3418,3429,3437,3460,3469,3476,3478,3479,3480,3502,3505,3516,  
3522,3536,3542,3546,3558,3563,3569,3574,3616,3628,3632,3636,  
3655,3661,3669,3680,4108,4110,4120,4122,4123,4125,4129,4142,  
4143,4144,4154,4164,4173,4175,4178,4210,4231,4243,4245,4251,  
4253,4257,4261,4264,4269,4270,4274,4275,4278,4279,4370,4402,  
4422,4423,4433,4444,4452,4455,4457,4459,4469,4474,4478,4481,  
4502,4510,4511,4516,4523,4530,4532,4533,4548,4552,4566,4568,  
4569,4574,4578,4579,4605,4610,4611,4622,4627,4629,4630,4633,  
4650,4653,4657,4669,4679,5122,5123,5125,5127,5135,5136,5137,  
5144,5145,5157,5162,5164,5167,5175,5176,5178,5208,5216,5225,  
5227,5229,5230,5235,5236,5237,5244,5245,5247,5259,5261,5262,  
5276,5405,5425,5427,5431,5440,5462,5464,5467,5477,5478,5514,  
5538,5555,5558,5562,5576,5579

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1120,1143,1151,1183,1188,1197,1205,1251,1260,1261,1415,1451,  
1476,1490,1497,1533,1537,1561,1609,1625,1632,1660,2105,2165,  
2174,2239,2291,2430,2435,2440,2468,2470,2491,2530,2570,2581,  
2592,2605,2639,2652,3167,3180,3218,3225,3228,3267,3268,3278,  
3418,3427,3439,3449,3467,3518,3527,3528,3540,3542,3563,3637,  
3639,3641,3659,3679,4121,4132,4139,4142,4221,4253,4256,4262,  
4270,4370,4425,4436,4473,4520,4525,4553,4611,4639,4659,4680,  
5106,5110,5142,5161,5213,5229,5236,5275,5439,5458,5580

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1256,1262,1268,1276,1419,1433,1441,1445,1519,1531,1538,1546,  
1564,1606,1632,1657,2111,2122,2153,2160,2210,2222,2230,2251,  
2253,2402,2425,2452,2453,2470,2555,2556,2559,2565,2570,2592,  
2610,3121,3159,3180,3230,3280,3429,3439,3506,3554,3579,3617,  
3631,4108,4115,4127,4129,4154,4174,4181,4243,4401,4418,4436,  
4502,4509,4529,4580,4581,4601,4606,4628,4642,4677,4681,5120,  
5125,5126,5147,5148,5161,5241,5446,5447,5478,5514,5565

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1276,1280,1297,1410,1429,1430,1432,1433,1441,1456,1457,1474,  
1519,1532,1541,1549,1551,1555,1557,1566,1584,1591,1621,1622,  
1641,1664,1668,2102,2109,2126,2159,2176,2191,2205,2208,2222,  
2236,2258,2264,2402,2431,2470,2477,2483,2527,2530,2543,2554,  
2563,2564,2570,2578,2588,2593,2627,2631,2633,2646,2656,2665,  
2676,3110,3118,3121,3139,3150,3152,3154,3160,3176,3180,3205,  
3208,3215,3239,3250,3276,3280,3402,3406,3439,3440,3454,3470,  
3476,3479,3506,3539,3552,3570,3578,3606,3611,3617,3659,4115,  
4119,4128,4140,4173,4205,4215,4235,4275,4401,4402,4421,4422,

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1102,1105,1143,1161,1163,1165,1174,1178,1180,1185,1226,1253,1257,1262,1264,1275,1288,1415,1421,1433,1446,1450,1453,1460,1461,1463,1465,1474,1476,1485,1486,1488,1533,1545,1574,1576,1588,1606,1638,1648,1660,1665,1674,1676,2105,2125,2127,2146,2163,2169,2192,2208,2211,2225,2230,2231,2242,2268,2292,2293,2411,2425,2430,2437,2440,2459,2470,2474,2490,2511,2530,2538,2547,2570,2581,2592,2605,2674,3117,3141,3146,3175,3179,3180,3222,3228,3237,3238,3252,3275,3427,3441,3470,3475,3518,3519,3520,3547,3562,3570,3581,3639,3641,3650,3653,3666,4102,4109,4111,4116,4121,4122,4128,4140,4145,4146,4147,4165,4209,4211,4221,4222,4230,4232,4238,4240,4246,4270,4370,4427,4438,4439,4453,4456,4467,4473,4481,4508,4511,4546,4548,4553,4562,4602,4606,4624,4639,4648,4663,4679,5210,5218,5238,5240,5430,5439,5452,5458,5506,5557

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1110,1164,1178,1276,1294,1494,1620,2114,2187,2209,2219,2243,2452,2457,2470,2480,2525,2570,2611,2631,2657,3244,3439,3463,3542,4105,4120,4270,4370,4414,4438,4440,4514,4611,4614,5121,5202,5221

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1109,1135,1155,1175,1180,1211,1275,1280,1415,1480,1483,1511,1558,1565,1586,1638,1673,2110,2114,2242,2248,2254,2269,2436,2438,2441,2443,2453,2470,2490,2535,2546,2570,2633,2641,2667,3105,3120,3154,3158,3177,3205,3210,3236,3237,3258,3275,3401,3452,3462,3463,3470,3501,3505,3528,3542,3563,3566,3570,3631,3652,3662,3669,4116,4122,4125,4136,4158,4222,4230,4232,4242,4262,4264,4274,4422,4431,4453,4505,4564,4581,4610,4611,4631,4635,4636,4640,4644,4655,5156,5178,5213,5224,5240,5250,5251,5453,5460,5511,5537,5580

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1405,1426,1449,1466,1563,1591,1658,2136,2415,2470,2570,2654,2658,3177,3237,3422,3431,3522,4122,4427,4478,4518,4601,4611,5147,5417,5537

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1109,1153,1185,1209,1216,1217,1220,1230,1237,1253,1402,1421,1493,1515,1540,1547,1554,1569,1590,1593,1637,1651,1653,1669,1675,2106,2108,2124,2131,2135,2137,2143,2147,2158,2224,2237,2247,2258,2287,2290,2401,2433,2437,2438,2447,2448,2451,2458,2462,2468,2469,2470,2481,2491,2501,2511,2527,2537,2538,2547,2570,2581,2601,2626,2637,2638,2668,3137,3146,3147,3163,3165,3222,3263,3265,3437,3438,3448,3465,3467,3470,3521,3537,3566,3567,3570,3580,3610,3666,3668,3678,4109,4126,4130,4133,4146,4177,4209,4221,4229,4230,4256,4270,4276,4277,4370,4428,4431,4456,4459,4473,4526,4527,4556,4577,4626,4656,4673,5142,5156,5402,5452,5502,5519,5552,5557,5558,5560,5579

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1101,1119,1155,1216,1218,1219,1220,1255,1281,1406,1425,1469,1506,1530,1558,1580,1606,1658,1666,2184,2220,2252,2284,2295,2461,2463,2470,2501,2505,2532,2570,2578,2584,2593,2606,2652,3150,3175,3177,3179,3231,3237,3269,3278,3401,3422,3439,3459,3460,3462,3470,3539,3570,3639,3640,3646,3665,3680,4108,4115,4128,4163,4167,4208,4222,4265,4270,4274,4370,4408,4425,4432,4433,4452,4459,4525,4530,4532,4561,4574,4609,4636,4654,4659,

4666,4669,4680,5124,5136,5138,5153,5224,5238,5255,5418,5454,5460,5527,5535,5555,5577,5580

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# GIVING BACK

# Be a GeoMentor

## What is the AAG/Esri ConnectED GeoMentors Program?

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

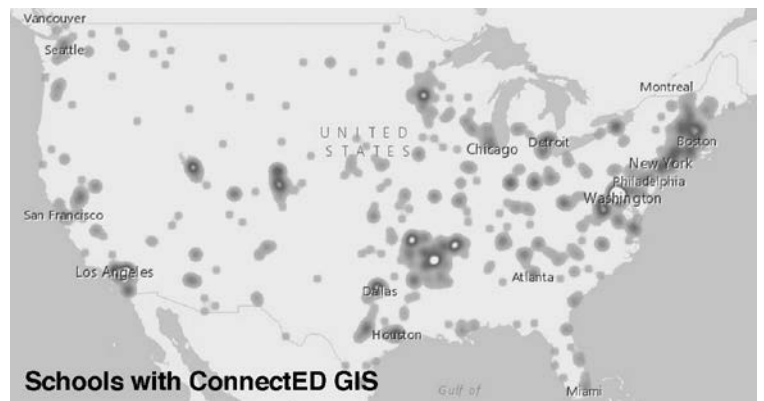


## Who can be a GeoMentor?

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

## What do GeoMentors do?

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



*To become a GeoMentor, visit*

# www.GeoMentors.net

*and click Participate*

