



# The 71<sup>st</sup> North American Meetings of the Regional Science Association International

Co-hosted by  
the North American Regional Science Council

November 14-16, 2024  
New Orleans, Louisiana



# Welcome to New Orleans!

On behalf of the North American Regional Science Council (NARSC), we are delighted to welcome you to New Orleans, Louisiana, for the 71st Annual North American Meetings of the Regional Science Association International, taking place from November 13-16, 2024. We are excited to gather in one of the nation's most historic and culturally vibrant cities for a dynamic and intellectually stimulating program.

This year's conference features 93 sessions, offering a rich combination of methodologies that have made regional science so engaging and relevant. From econometrics and spatial econometrics to gravity models of trade, spatial optimization techniques, interregional input-output models, and spatial general equilibrium models, the 2024 program is designed to explore both long-standing tools and innovative approaches in our field.

The conference program will feature two exciting plenary talks on environmental economics. On Wednesday evening, from 7:00 pm–8:00 pm, Amit Batabyal will present "Decentralized vs. Centralized Water Pollution Cleanup in the Ganges in a Model with Three Cities." On Thursday evening, from 6:00 pm–7:15 pm, our NARSC 2024 President, Sandy Dall'erba, will deliver a thought-provoking talk titled "How can Regional Scientists keep contributing to climate and environmental economics?"

This year's program also highlights a growing focus on sustainability issues, with special sessions addressing topics such as climate change, environmental footprints, climate-smart technologies, and the impact of natural disasters on migration, economic development, trade flows, property values, and critical infrastructure. Additionally, we are pleased to offer many special sessions dedicated to Diversity, Equity, and Inclusion (DEI), the NARSC student paper competition, the Regional Science Academy, Regional Economic Effects of Disasters, Spatial econometric methods and applications, Outreach in Regional Science, Regional/Rural Development, Location and Spatial Analysis, Tiebout Centenary, and Smart specialization for sustainability.

Receptions will take place on both Wednesday and Thursday evenings, providing a perfect opportunity to connect with colleagues. In a change from previous years, the award luncheon will be held on Friday, where we will celebrate the achievements of our peers.

While you're here, we encourage you to explore the incredible city of New Orleans, known for its rich blend of cultures, vibrant music scene, and world-class cuisine. The conference venue, the New Orleans Marriott, is conveniently located near the historic French Quarter and just a few blocks from the Mississippi River. You'll be within walking distance of some of the country's best restaurants, bars, and live music. Whether you're looking to explore Jackson Square and St. Louis Cathedral, immerse yourself in history at the National World War II Museum and the Historic New Orleans Collection, or experience the lively atmospheres of Bourbon Street, Frenchmen Street, and Preservation Hall, there's no shortage of experiences to enjoy. For those seeking a quieter pace, consider visiting the Audubon Aquarium of the Americas, taking a steamboat ride on the Natchez, or exploring the Garden District's stunning architecture. And for the brave, New Orleans, often called the City of Ghosts and Vampires, offers haunted tours that add a spooky thrill to your visit.

In addition to immersing yourself in the city's vibrant offerings, we hope you enjoy the conference's many exciting paper presentations, reconnect with colleagues, and create new opportunities for collaboration.

We would like to extend our sincere thanks to John Sporing, our NARSC Executive Director, for his impeccable coordination of the conference, and to Taejun Mo, Hyungsun Yim, and Sandy Dall'erba, our Program Chair team, for their exceptional work in organizing this year's event.

We look forward to seeing you at the 71st NARSC 2024 conference and hope you enjoy both the stimulating sessions and your time in New Orleans!

Ting Zhang  
NARSC Council Chair, on behalf of the NARSC Council

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## A Safe and Healthy Conference

NARSC is committed to making the 71st Annual Meetings of the Regional Science Association International a safe and healthy event for our attendees, industry partners, exhibitors, volunteers, and team members. It is important to note that large, in-person meetings are happening throughout the country, and they are happening safely. All conference attendees must agree to the Duty to Self-Monitor during the conference.

**IMPORTANT INFORMATION:** Considering the ongoing issue of COVID-19, individuals who fall within any of the categories below should not engage in any NARSC events or, if registered and fall into one of those categories prior to the conference, should request a refund. By attending the 71st Annual Meetings of the Regional Science Association International, you certify that you do not fall into any of the following categories and have complied with the following:

- *Individuals who have tested positive for COVID-19 within the prior 10 days of the event or are currently showing COVID-19 symptoms.*
- *Individuals who, within the prior fourteen (14) days of the event, have experienced any symptoms associated with COVID-19, which include fever, cough, and shortness of breath among others.*
- *Individuals who believe that they may have been exposed to a confirmed or suspected case of COVID-19 or have been diagnosed with COVID-19 and are not yet cleared as non-contagious by state or local public health authorities or the health care team responsible for their treatment.*

**DUTY TO SELF-MONITOR:** Attendees to any activity connected with the 71st Annual Meetings of the Regional Science Association International agree to self-monitor during the event for signs and symptoms of COVID-19 (symptoms typically include fever, cough, and shortness of breath) and immediately contact the AWS staff on-site should they test positive for COVID-19 or experiences symptoms of COVID-19.

**LIABILITY WAIVER AND RELEASE OF CLAIMS:** By attending the 71st Annual Meetings of the Regional Science Association International, you acknowledge that your decision to attend is personal and voluntary in nature, and in choosing to do so, recognize, assume all risks associated with attendance, including exposure to COVID-19.



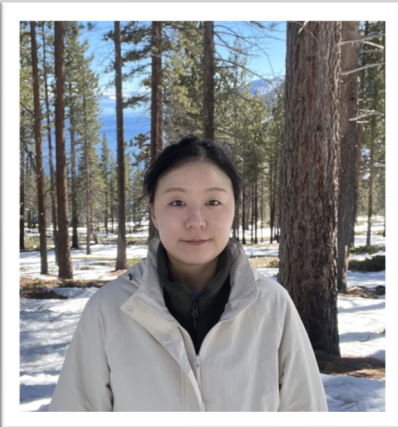
# 2024 Organizing and Program Committee

## Local Arrangements

John Sporing, BEA, U.S. Department of Commerce (retired)

## Program Organizers

**Hyungsun Yim, PhD candidate,  
CREATE, ACE, UIUC**



**Taejun Mo, PhD candidate,  
CREATE, ACE, UIUC**



**Sandy Dall'erba, Founding  
Director, CREATE, ACE, UIUC**



**CREATE: Center for Climate, Regional, Environmental and Trade Economics**  
**ACE: Dept. of Agricultural and Consumer Economics**  
**UIUC: University of Illinois at Urbana-Champaign**

## Session and Workshop Organizers

- Alan Murray, University of California at Santa Barbara
- Carlianne Patrick, Georgia State University
- Cristina Miller, Rural Development Innovation Center, USDA
- Daoqin Tong, Arizona State University
- Eli Knaap, San Diego State University
- Eric Heikkila, University of Southern California
- Geoffrey Hewings, University of Illinois
- Giuseppe Arbia, Università Cattolica del Sacro Cuore, Milano
- Heather Stephens, West Virginia University
- Jaewon Lim, University of Nevada Las Vegas
- John Winters, Iowa State University
- Karima Kourtiti, Open University of the Netherlands
- Lei Zhang, Old Dominion University
- Luc Anselin, University of Chicago
- Neil Reid, University of Toledo
- Peter Nijkamp, AI Cuza University
- Ran Wei, University of California at Riverside
- Sandy Dall'erba, University of Illinois at Urbana-Champaign
- Sarah Low, University of Illinois at Urbana-Champaign
- Serge Rey, San Diego State University
- Stephan Goetz, Penn State University
- Stephan Weiler, Colorado State University
- Steven Craig, University of Houston
- Tim Komarek, Colorado State University
- Yasuhide Okuyama, University of Kitakyushu
- Yuri Mansury, Illinois Institute of Technology

# NARSC Graduate Student Paper Competitions

## Committee Co-Chairs

- Christa Court, University of Florida
- Andre Fernandes Tomon Avelino, National Renewable Energy Laboratory

## Reading Committee

- Kathy Baylis, University of California, Berkeley
- Jaewon Lim, University of Nevada, Las Vegas
- Jeffrey Zax, University of Colorado at Boulder
- Bruce Newbold, McMaster University
- Amanda Ross, University of Alabama
- Michael Reed, Lower Colorado River Authority
- Dayton Lambert, Oklahoma State University
- Zheng Tian, Pennsylvania State University
- Nathan Palardy, University of Florida
- Juan Tomás Sayago Gomez, University of Iowa

# NARSC Directory

## Voting Members

- Sandy Dall'erba, President, University of Illinois Urbana-Champaign
- Ting Zhang, NARSC Council Chair, University of Baltimore
- Biswa Das, Councilor-at-Large, 2022-2024, Iowa State University
- Clio Andris, Councilor-at-Large, 2023-2025, Georgia Institute of Technology
- Sarah Low, Councilor-at-Large, 2023-2025, University of Illinois Urbana-Champaign
- Christa Court, Councilor-at-Large, 2024-2026, University of Florida
- Eli Knapp, Councilor-at-Large, 2024-2026, San Diego State University
- Hanxue Wei, Student Representative, 2023-2024, Cornell University
- Bruce Newbold, Canadian RSA, McMaster University
- Tessa Conroy, Mid-Continent RSA, University of Wisconsin-Madison
- Heather Stephens, Northeast RSA, West Virginia University
- Amanda L. Weinstein, Southern RSA, University of Akron
- Jaewon Lim, Western RSA, University of Nevada, Las Vegas

## Ex-officio (Nonvoting) Members

- John Sporing, NARSC Executive Director
- Andrea Caragliu, RSAI Executive Director, Politecnico di Milano,
- Rosella Nicolini, Editor-in-Chief, Papers in Regional Science, Universitat Autònoma de Barcelona
- Isabelle Nilsson, Editor, Regional Science Policy & Practice, University of North Carolina - Charlotte
- Neil Reid, Editor and Book Reviews Editor, Regional Science Policy & Practice, University of Toledo
- Tessa Conroy, Editor, Papers in Regional Science, University of Wisconsin-Madison
- Eric Delmelle, Editor, Papers in Regional Science, University of North-Carolina



## Past and Future Conferences

Detroit, MI	December 27-29, 1954
New York, NY	December 27-30, 1955
Cleveland, OH	December 27-29, 1956
Philadelphia, PA	December 28-30, 1957
Chicago, IL	December 27-29, 1958
Washington, DC	December 27-29, 1959
St. Louis, MO	December 28-30, 1960
New York, NY	December 27-29, 1961
Pittsburgh, PA	December 27-29, 1962
Chicago, IL	November 15-17, 1963
Ann Arbor, MI	November 13-16, 1964
Philadelphia, PA	November 12-14, 1965
Clayton, MO	November 4-6, 1966
Cambridge, MA	November 3-5, 1967
Cambridge, MA	November 8-10, 1968
Santa Monica, CA	November 7-9, 1969
Philadelphia, PA	November 6-8, 1970
Ann Arbor, MI	November 12-14, 1971
Philadelphia, PA	November 10-12, 1972
Atlanta, GA	November 9-11, 1973
Chicago, IL	November 8-10, 1974
Cambridge, MA	November 7-9, 1975
Toronto, Ontario	November 12-14, 1976
Philadelphia, PA	November 11-13, 1977
Chicago, IL	November 10-12, 1978
Los Angeles, CA	November 9-11, 1979
Milwaukee, WI	November 14-16, 1980
Montreal, Quebec	November 13-15, 1981
Pittsburgh, PA	November 12-14, 1982
Chicago, IL	November 11-13, 1983
Denver, CO	November 9-11, 1984
Philadelphia, PA	November 15-17, 1985
Columbus, OH	November 14-16, 1986
Baltimore, MD	November 6-8, 1987
Toronto, Ontario	November 11-13, 1988
Santa Barbara, CA	November 10-12, 1989
Boston, MA	November 9-11, 1990
New Orleans, LA	November 7-11, 1991
Chicago, IL	November 12-14, 1992
Houston, TX	November 11-14, 1993
Niagara Falls, Ontario	November 17-20, 1994
Cincinnati, OH	November 8-13, 1995
Arlington, VA	November 14-17, 1996
Buffalo, NY	November 5-9, 1997
Santa Fe, NM	November 11-14, 1998
Montreal, Quebec	November 11-14, 1999
Chicago, IL	November 9-11, 2000
Charleston, SC	November 15-17, 2001
San Juan, PR	November 14-17, 2002
Philadelphia, PA	November 20-23, 2003

Seattle, WA	November 11-13, 2004
Las Vegas, NV	November 10-12, 2005
Toronto, Ontario	November 15-19, 2006
Savannah, GA	November 7-11, 2007
New York City, NY	November 19-22, 2008
San Francisco, CA	November 19-21, 2009
Denver, CO	November 10-13, 2010
Miami, FL	November 9-12, 2011
Ottawa, Canada	November 7-10, 2012
Atlanta, GA	November 13-16, 2013
Washington, DC	November 12-15, 2014
Portland, OR	November 11-14, 2015
Minneapolis, MN	November 9-12, 2016
Vancouver, Canada	November 8-11, 2017
San Antonio, TX	November 7-10, 2018
Pittsburgh, PA	November 13-16, 2019
Virtual Conference	November 9-13, 2020
Denver, CO	November 10-13, 2021
Montreal, QC	November 9-12, 2022
San Diego, CA	November 15-18, 2023
New Orleans, LA	November 15-18, 2024
Denver, CO	November 11-14, 2025

# Instructions to NARSC Session Participants

- Please stick to the printed program schedule. Each session has a specific time slot assigned to presentations. If there is a no-show, use the time to discuss previous papers or take a break. Do not rearrange papers to fill gaps in the schedule, as attendees may have specific interests in particular papers.
- Each breakout room will be equipped with a projector. The Session Chair is responsible for bringing laptop computers for use by all session presenters. If you are a Session Chair and unable to bring a laptop, kindly communicate with other session participants to ensure that someone in the session brings a laptop. Please note that NARSC will not provide laptops for use in individual sessions.
- NARSC will have adapters for Apple products at the registration desk, but you must bring your projector adapter.
- Presenters should save presentations in both PowerPoint and PDF formats. Emailing a copy to themselves ensures a backup.
- Most sessions have 4 papers. Each paper should be given 30 minutes in total (20-minute presentation, 5-minute discussion, and 5-minute Q&As). If your session has 3 or 5 papers, make sure to distribute the time accordingly.
- Hold everyone to the time allotted. If a speaker continues after time has expired, rise, ask those present to join you in thanking the speaker, and announce the next presentation. The audience and other speakers will support your decision.
- Please be considerate of the next session by ensuring your session is completed at the appropriate time, and the meeting room is vacated in time for the next session.
- Each paper is assigned a discussant to review and offer constructive comments on the paper. There is one discussant for each paper. The discussants for each session are listed in the program in sequential order. The first discussant listed is responsible for discussing the first paper presented; the second discussant listed is responsible for discussing the second paper presented, etc. Some sessions may have allocated their discussants differently.
- The discussant should come prepared to provide approximately 5 minutes of discussion of the paper. Possible speaking points include its merits and questions' regarding methods, data, or findings – a summary of the paper is neither expected nor appropriate. As a presenter, we ask that you share your paper (or slides) with your discussant as early as possible so that the discussant has sufficient time to review it.



# Conference Highlights and Business Meetings

## Wednesday, November 13

Workshop.

- Spatial Data Analysis and Econometrics with PySAL  
8:00 am-5:00 pm | Plaza. Registration required.

Special session.

- TRSA ABC (Advanced Brainstorm Carrefour).  
10:45 am-3:45 pm | Santa Fe

NARSC Plenary. RSAI Fellows Lecture

- “Decentralized vs. Centralized Water Pollution Cleanup in the Ganges in a Model with Three Cities”, Amit Batabyal, Rochester Institute of Technology  
7:00 pm-8:00 pm | Galerie 1

Icebreaker Reception

- 8:00 pm-9:00 pm | Riverview 1

## Thursday, November 14

Regular sessions

- 8:00 am-6:15 pm

Business meetings

NARSC Council Meeting (Invitation only).

- 8:00 am-10:00 am | Napoleon

SRSA Council Meeting (Invitation only)

- 12:30 pm-1:45 pm | Napoleon

RSAI Council Meeting (Invitation only)

- 12:30 pm-1:45 pm | Lafayette

Plenaries

- NARSC Plenary. Presidential Address.  
“How can Regional Scientists keep contributing to climate and environmental economics?”,  
Sandy Dall’erba, University of Illinois at Urbana-Champaign  
6:15 pm-8:15 pm | Galerie 1

Welcome Reception.

- 7:30 pm-8:30 pm | Riverview 1

## Friday, November 15

Regular sessions: 8:00 am-4:30 pm

Lunch and award ceremony (open to all)

12:30 pm-2:30 pm | Mardi Gras Ballroom

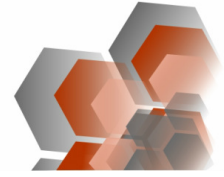
Plenaries and special sessions

- Special session. NARSC Student Paper Competition Presentations  
10:30 am-12:30 pm | Galerie 6
- Special session. Diversity, Equity, and Inclusion in Regional Science  
2:30 pm-4:30 pm | Galerie 4

**Saturday, November 16**

Regular sessions

- 8:00 am-6:00 pm



## **RSAI Fellows Lecture**

**Decentralized vs. Centralized Water Pollution Cleanup in the Ganges in a Model with Three Cities**



**Speaker: Amit Batabyal, Rochester Institute of Technology**

**Chair: Karima Kourtit, Open University of the Netherlands**

**Wednesday, November 13, 7:00 pm-8:00 pm  
Galerie 1**





**THE NORTH AMERICAN REGIONAL SCIENCE COUNCIL**

## **NARSC Presidential Lecture**

**How can Regional Scientists keep contributing to climate and environmental economics?**



**Speaker:** Sandy Dall'erba, University of Illinois at Urbana-Champaign

**Chair:** Carlianne Patrick, Georgia State University

**Thursday, November 14, 6:15 pm-7:30 pm**

**Galerie 1**

# Conference Program

# Wednesday, November 13

Registration | Galerie Registration

1. [Workshop] Spatial Data Analysis and Econometrics with PySAL  
Wednesday | 8:00 am-5:00 pm | Galerie Registration

Organizers: Luc Anselin - University of Chicago; Eli Knaap - San Diego State University; Serge Rey - San Diego State University

Registration Required.

Details: <https://github.com/sjsrey/workshop-pysal-narsc24>

2. [The Regional Science Academy (TRSA) Special Session] Advanced Brainstorm Carrefour (ABC): Spatial Wellbeing & Happiness in an Open Space Economy  
Wednesday | 10:45 am-3:45 pm | Santa Fe

Organizers: Peter Nijkamp, Neil Reid, Karima Kourtit  
Chair: Karima Kourtit

## Presenters

- Neil Reid: *Third Places: Origins of Urban Buzz*
- Amit Batabyal: **Error! Bookmark not defined.**: *Advances in Spatial Wellbeing Modeling*
- Jaewon Lim: *Tourism Behavior in a "Feet Voting" Context*
- Peter Nijkamp, Karima Kourtit, John Östh, Umut Türk: *Modeling 'Big Smiles' of Urban Visitors - A Digital Content Analysis of the Appreciation of Attractive Leisure Amenities in London*
- Tomaz Dentinho: *Location of Wellbeing and Happiness*

3. Meet the new ERSA Journal Editors: Global Challenges and Regional Science  
Wednesday | 6:40 pm-7:00 pm | California A&B

- With Vicente Royuela (Editor in Chief), Sarah Low and Andrea Caragliu (Associate Editors)

4. [NARSC Plenary Session] RSAI Fellows Lecture  
Wednesday | 7:00 pm-8:00 pm | Galerie 1

- **Title:** *Decentralized vs. Centralized Water Pollution Cleanup in the Ganges in a Model with Three Cities*
- **Speaker:** Amit Batabyal, Rochester Institute of Technology
- **Chair:** Karima Kourtit, Open University of the Netherlands

5. NARSC Icebreaker Reception  
Wednesday | 8:00 pm-9:00 pm | Riverview I



# Thursday, November 14

Registration | Galerie Registration

## 6. Regional Economic Effects of Disasters 1 [NARSC Special Session]

Thursday | 8:00 am-10:00 am | Jackson

**Organizers:** Yasuhide Okuyama, University of Kitakyushu

**Chairs:** Adam Rose, University of Southern California

- *Short-term Impact of Wildfire on Retail Gasoline Prices*  
Ye-Rim Lee, Michigan State University; Dusan Paredes, Universidad Católica del Norte; Mark Skidmore, Michigan State University; Scott Loveridge, Michigan State University  
(Discussant: Adam Rose, University of Southern California)
- *Economic Impacts of Complex Disasters Affecting the Twin Ports of Los Angeles and Long Beach*  
Adam Rose, University of Southern California; Nosh Miller, University of Southern California; Zhenhua Chen, Ohio State University; Fred Roberts, Rutgers University; Andrew Tucci, U.S. Coast Guard; Latha Vijayagopal, Rutgers University  
(Discussant: Yilan Xu, University of Illinois at Urbana-Champaign)
- *Unveiling Dynamics in Climate Disaster Information Connectivity Across Regions: A Variance Decomposition Network Approach*  
Yilan Xu, University of Illinois at Urbana-Champaign; Siqi Zheng, Massachusetts Institute of Technology; Zhentao Shi, Chinese University of Hong Kong; Yi Huang, Nanjing Audit University; Sebastien Box-Couillard, University of Illinois at Urbana-Champaign  
(Discussant: Ye-Rim Lee, Michigan State University)
- *Better policies to mitigate the negative impacts of firm insolvencies on households and regional resilience*  
Matthew Lyons, City-REDI, University of Birmingham; Huanjia Ma, City-REDI, University of Birmingham; Simon Collinson, Zhejiang University  
(Discussant: Dusan Paredes, Universidad Católica del Norte)

## 7. Regional Analysis of Economic Growth

Thursday | 8:00 am-10:00 am | Galvez

**Chair:** Jean Dube, Universite Laval

- *How Public Spending and Infrastructure Shape Local Development?*  
Oussama Trabelsi, INRS-UCS; Jean Dube, Universite Laval  
(Discussant: Laura Gallina, Gran Sasso Science Institute)
- *The social characteristics of territorial risks in Italian urban and rural areas*  
Laura Gallina, Gran Sasso Science Institute  
(Discussant: Steven Bond-Smith, University of Hawai'i at Mānoa)
- *A CPI-based price parity index for US cities: Implications for examining local economic performance*  
Steven Bond-Smith, University of Hawai'i at Mānoa; Youngha Lee, University of Hawai'i at Mānoa

(Discussant: Ana Viñuela, University of Oviedo)

- *What is new in the new European Cohesion Policy?*  
Ana Viñuela, University of Oviedo, Spain  
(Discussant: Jean Dube, Universite Laval)

8. Issues in Labor Market: Technological Change and Innovation  
Thursday | 8:00 am-10:00 am | Beauregard

**Chair:** Timothy R Wojan, Oak Ridge Institute for Science and Education

- *Local Labor Market Effects of Amazon*  
Evan Cunningham, University of Minnesota  
(Discussant: Timothy R Wojan, Oak Ridge Institute for Science and Education )
- *Error! Bookmark not defined.Arts Avocations and the Leonardo Effect: Does Artistic Imagination Fuel Innovation?*  
Timothy R Wojan, Oak Ridge Institute for Science and Education  
(Discussant: Camilla Lenzi, Politecnico di Milano )
- *Automation and income distribution: the role of sectoral and territorial market power*  
Roberta Capello, Politecnico di Milano; Camilla Lenzi, Politecnico di Milano; Elisa Panzera, Politecnico di Milano  
(Discussant: Evan Cunningham, University of Minnesota)

9. Regional Disamenities: Evaluation and Policy Impacts  
Thursday | 8:00 am-10:00 am | Audubon

**Chair:** Claudio Detotto, University of Corsica

- *Illuminating public safety: evaluating the impact of a place-based intervention on crime, evidence from Boston*  
Andres Sanchez-Sadarriaga, EAFIT University; Juan Muñoz-Mora, EAFIT University; Camilo Acosta, EAFIT University  
(Discussant: Euijun Kim, Louisiana State University)
- *Disamenities and Rural Economies*  
Euijun Kim, Louisiana State University; Matt Fannin, Louisiana State University (Discussant: Claudio Detotto, University of Corsica)
- *The impact of port noise on residents' willingness to pay*  
Laura Ciucci, University of Artois; Claudio Detotto, University of Corsica; Corinne Idda, University of Corsica; Dominique Prunetti, University of Corsica  
(Discussant: Minjae Yun, Claremont McKenna College)
- *Identifying Effective Programs to Exit Homelessness: A System-wide Perspective Using Machine Learning*  
Soomi Lee, University of La Verne; Minjae Yun, Claremont McKenna College  
(Discussant: Andres Sanchez-Sadarriaga, EAFIT University)

10. NARSC Council Meeting (Invitation only)  
Thursday | 8:00 am-10:00 am | Napoleon

11. Innovation in Regional Economic Development  
Thursday | 8:00 am-10:00 am | Galerie 4

**Chair:** Jiwoo Jeong, University of Seoul

- *Investigating the Regional Growth of AI Jobs: An Assessment of In-Demand Skills*  
Andrew Crawley, University of Maine; Elinor hunt, University of Maine  
(Discussant: Jiwoo Jeong, University of Seoul)
- *International Students as Catalysts for Regional Economic Growth: Insights from Suwon, South Korea*  
Jiwoo Jeong, University of Seoul  
(Discussant: Amanda Weinstein, Center on Rural Innovation)
- *Swimming upstream on the path to thriving*  
Amanda Weinstein, Center on Rural Innovation; May Erouart, Center on Rural Innovation  
(Discussant: Mark Partridge, Ohio State University)
- *Does cultural diversity matter for innovation? Empirical evidence from large-scale internal migration in China*  
Mark Partridge, Ohio State University; Wanting Xu, Hong Kong University  
(Discussant: Andrew Crawley, University of Maine)

12. Spatial Analysis and Econometric Modelling  
Thursday | 8:00 am-10:00 am | Galerie 5

**Chair:** Ingmar Prucha, University of Maryland

- *How many significant LISA? A multiple testing approach based on a modified Bonferroni correction*  
Giuseppe Arbia, Catholic University; Vincenzo Nardelli, Catholic University  
(Discussant: Ingmar Prucha, University of Maryland)
- *On Testing for Spatial or Social Network Dependence in Panel Data Allowing for Network Variability*  
Xiaodong Liu, University of Colorado Bolder; Ingmar Prucha, University of Maryland (Discussant: Kelley Pace, Louisiana State University)
- *Simple Closed-form Relations between Symmetric and Non-Symmetric Spatial Weight Matrices*  
Kelley Pace, Louisiana State University; James LeSage, emeritus  
(Discussant: Giuseppe Arbia, Catholic University)

13. Public Finance  
Thursday | 8:00 am-10:00 am | Galerie 6

**Chair:** Sushant Singh, University of Oklahoma

- *Fiscal performance and institutions in Latin America*

Jaime Bonet, Banco de la República; Diana Ricciulli, Banco de la República, The Central Bank of Colombia; Javier Pérez, Banco de la República, The Central Bank of Colombia  
(Discussant: Sushant Singh, University of Oklahoma)

- *The effects of IMF programs and conditionality on food self sufficiency*  
Sushant Singh, University of Oklahoma  
(Discussant: Zachary Schaller, Colorado State University)
- *Assessing the Economic Impact of Construction Projects on Rural Counties: Evidence from 2010-2019*  
Josh Hess, University of South Carolina; Zachary Schaller, Colorado State University; Russ Ormiston, Allegheny College and Institute for Construction Employment Research (Discussant: Javier Pérez, Banco de la República)

**Coffee Break**  
**10:00 am-10:30 am | Galerie Foyer**

**14. Regional Science, Climate Change, Environmental Footprint 1 [NARSC Special Session]**  
Thursday | 10:30 am-12:30 pm | Jackson

**Organizers:** Sandy Dall'erba, University of Illinois at Urbana-Champaign; Stephan Goetz, Penn State University; Lei Zhang, Old Dominion University

**Chair:** Sandy Dall'erba, University of Illinois at Urbana-Champaign

- *What role has trade and economic integration played in the agrifood value chain in North America?*  
Sandy Dall'erba, University of Illinois at Urbana-Champaign; Claudia Montaña, University of Arizona; Alberto Franco Solís, National Renewable Energy Laboratory (Discussant: Timothy R Wojan, Oak Ridge Institute for Science and Education)
- *Impact of Extreme Weather Events on the U.S. Domestic Supply Chain of Food Manufacturing*  
Hyungsun Yim, University of Illinois at Urbana-Champaign; Sandy Dall'erba, University of Illinois at Urbana-Champaign  
(Discussant: Stephan J. Goetz, Pennsylvania State University)
- *Changes in Renewable Energy Production on U.S. Farms, 2017-2022: A State-Level Analysis*  
Zheng Tian, Pennsylvania State University; David Kay, Cornell University; and Stephan J. Goetz, Pennsylvania State University  
(Discussant: Hyungsun Yim, University of Illinois at Urbana-Champaign)
- *Economic Impact Assessment of the "720" Heavy Rain Disaster: a CGE approach*  
Xiangwei Sun, University of Illinois Urbana-Champaign; Na Li, Chinese Academy of Sciences; Sandy Dall'erba, University of Illinois Urbana-Champaign  
(Discussant: Claudia Montaña, University of Arizona)

**15. Spatial econometric methods and applications [NARSC Special Session]**  
Thursday | 10:30 am-12:30 pm | Galvez

**Organizers:** Giuseppe Arbia, Università Cattolica del Sacro Cuore, Milano

**Chair:** Giuseppe Arbia, Università Cattolica del Sacro Cuore, Milano



- *Assessing the robustness to outliers of spatial econometric models*  
Vincenzo Nardelli, Catholic University; Giuseppe Arbia, Università Cattolica del Sacro Cuore, Milano  
(Discussant: Natalia Bailey, Monash University)
- 
- *My neighbour's neighbour is not my neighbour: Instrumentation and causality in spatial models*  
Natalia Bailey, Monash University; Jan Ditzen, Free University of Bozen-Bolzano; Sean Holly, Cambridge University  
(Discussant: Vincenzo Nardelli, Università Cattolica del Sacro Cuore, Milano)
- *An Overview of MGWR Software Development, Comparison and Bandwidth Sensitivity Analysis*  
ChenLun Kao, Arizona State University; Stewart Fotheringham, Arizona State University  
(Discussant: Giuseppe Arbia, Università Cattolica del Sacro Cuore)

16. Housing and Neighborhood Change  
Thursday | 10:30 am-12:30 pm | Beauregard

**Chair:** Michael Cary, Virginia Tech

- *Determinants of Corporate Investment in Single Family Rental Housing in Charlotte, North Carolina*  
Zurikanen Iddrisu, University of North Carolina at Charlotte; Jean-Claude Thill, University of North Carolina at Charlotte  
(Discussant: Michael Cary, Virginia Tech)
- *Estimating the Effect of a Utility-Scale Solar Facility on House Prices*  
Michael Cary, Virginia Tech; Zhenshan Chen, Virginia Tech; Jessica Douthit, Berea College; Njeri Jackson, Virginia Tech; Michael McCloud, Virginia Tech; Benjamin Rosner, Virginia Tech; Susan Chen, Virginia Tech  
(Discussant: Peng Zhao, Doane University)
- *Towards an Operational Filtering Model of the Housing Market*  
Richard Arnott (in memoriam); Peng Zhao, Doane University  
(Discussant: Zurikanen Iddrisu, University of North Carolina at Charlotte)

17. Social Capital and Well-being  
Thursday | 10:30 am-12:30 pm | Audubon

**Chair:** Matthew Roskrue, Massey University

- *Investigating the relationship between social capital and satisfaction with current neighborhood under impact of urban renewal: a case study of Chongqing, China*  
Tongyun Du, Beijing normal university  
(Discussant: Matthew Roskrue, Massey University)
- *Māori social capital and wellbeing*  
Matthew Roskrue, Massey University  
(Discussant: Emily Wornell, Ball State University)
- *Residential Decision-Making of College Students in an Era of Increasing Political Bifurcation and Devolution of Individual Rights*

Emily Wornell, Ball State University; Ellen Whitehead, Ball State University  
(Discussant: Clio Andris, Georgia Institute of Technology)

- *Social networks and interpersonal relationships within the region*  
Clio Andris, Georgia Institute of Technology  
(Discussant: Tongyun du, Beijing normal university)

18. Residential and Racial Segregation  
Thursday | 10:30 am-12:30 pm | Galerie 4

**Chair:** Craig Carpenter, Michigan State University

- *The Long-Run and Intergenerational Effects of the Institutionalization of Redlining*  
Craig Carpenter, Michigan State University; John Anders, Trinity University  
(Discussant: Jaewon Park, Pusan National University)
- *Residential Income Segregation's Patterns and Local Determinants: Case from the South Korea*  
Jaewon Park, Pusan National University; Donghyun Kim, Pusan National University (Discussant: Charlotta Mellander, Jönköping University)
- *Paths of Persistence? Adolescence socioeconomic segregation and high-status jobs in adulthood*  
Charlotta Mellander, Jönköping University; Sofia Wixe, Jönköping University; Jose Lobo, Arizona State University  
(Discussant: Youhyun Kim, Pusan national university)
- *Research on the impact of heat waves on residential segregation*  
Youhyun Kim, Pusan national university; Donghyun Kim, Pusan National University (Discussant: Craig Carpenter, Michigan State University)

19. Outreach in Regional Science I [NARSC Special Session]  
Thursday | 10:30 am-12:30 pm | Galerie 5

Sponsored by Reaching Regions

**Organizers:** Heather Stephens, West Virginia University; John Winters, Iowa State University

**Chair:** Heather Stephens, West Virginia University

**Discussants:** Christa Court, Heather Stephens, and John Winters

- *Consumers' Willingness to Pay for US Broadband: Synthesizing Literature for Extension and Outreach Implications*  
Ayoung Kim, Mississippi State University; Sabina Regmi, Colorado State University; Devon Mills, Mississippi State University
- *Regional climate planning in its adolescence: A framework for evaluating fifteen years of Sustainable Communities Strategies in Southern California*  
Kevin Kane, Southern California Association of Governments, and Sarah Dominguez, Southern California Association of Governments
- *A Case Study of Local Government fragmentation in Iowa: Impacts and Implications*

Biswa Das, Iowa State University

- *Swimming upstream on the path to thriving*  
Amanda Weinstein, Center on Rural Innovation, and May Erouart, Center on Rural Innovation

20. Regional/Rural Development Sessions I: Housing and where we live. [NARSC Special Session]  
Thursday | 10:30 am-12:30 pm | Galerie 6

**Organizers:** Tim Komarek, Colorado State University; Sarah Low, University of Illinois at Urbana-Champaign; Stephan Weiler, Colorado State University

**Chair:** McKenzie Boyce, University of Wisconsin-Madison

- *From African American to Latino Immigrant Dominance: A Study of Ethnic Succession in Gardere's Low-Income Area*  
Xinying Zou, Louisiana State University  
(Discussant: McKenzie Boyce, University of Wisconsin-Madison)
- *The Impact of Housing Quotas on the Age-Distribution of New Renters*  
Herman Donner, KTH Royal Institute of Technology  
(Discussant: Brian Whitacre, Oklahoma State University)
- *Impacts of Medical Marijuana on Rural Oklahoma Home Values*  
Sidany Hilburn, Oklahoma State University; Brian Whitacre, Oklahoma State University; and Andrew Van Leuven, University of Vermont  
(Discussant: Zheng Tian, Pennsylvania State University)
- *Earnings, Rent, and Unemployment: Improving County-Level Quality of Life Estimates and Determining their Drivers*  
Mckenzie Boyce, University of Wisconsin-Madison  
(Discussant: Brian Whitacre, Oklahoma State University)

**Lunch on Your Own**  
**12:30 pm-1:45 pm**

12:30 pm -1:45 pm

21. SRSA Council Meeting Lunch (Invitation only) | Napoleon

22. RSAI Council Meeting Lunch (Invitation only) | Lafayette

23. Regional/Rural Development Sessions II: Labor and Entrepreneurship [NARSC Special Session]  
Thursday | 1:45 pm-3:45 pm | Jackson

**Organizers:** Tim Komarek, Colorado State University; Sarah Low, University of Illinois at Urbana-Champaign; Stephan Weiler, Colorado State University

**Chair:** Brian Whitacre, Oklahoma State University

- *The Long-Run Effects of Tribal Colleges and Universities on Educational and Labor Market Outcomes*  
Heejin Kim, Michigan State University; Craig Wesley Carpenter, Michigan State University; John Anders, Trinity University; Marty Matlock, University of Arkansas; Marcus Bernard, Kentucky State University; Trey Malone, Purdue University  
(Discussant: Brian Whitacre, Oklahoma State University)
- 
- *Factors Affecting Female Self-Employment in Rural Areas*  
Xiaoyin Li, West Virginia University  
(Discussant: Heejin Kim, Michigan State University)
- *Where Unions Fell: The Geography and Demography of Union Formation in the U.S.*  
Zachary Schaller, Colorado State University  
(Discussant: Xiaoyin Li, West Virginia University)
- *From Start-Up to Stability: An Assessment of Support Organizations' Impact on Small Business Creation and Maturation in Rural Counties*  
Gary Wynne, Oklahoma State University; Brian Whitacre, Oklahoma State University; and Andrew Van Leuven, University of Vermont  
(Discussant: Zachary Schaller, Colorado State University)

24. Housing Market: Valuation & Consumption  
Thursday | 1:45 pm-3:45 pm | Galvez

**Chair:** Zheng Tian, Pennsylvania State University

- *The Effect of Correctional and Rehabilitation Facilities on Property Values*  
Allyson Emblom-Hooe, North Carolina State University  
(Discussant: Zheng Tian, Pennsylvania State University)
- *Generational Population Shifts and Housing Affordability: A County-Level Analysis in the United States*  
Zheng Tian, Pennsylvania State University; Stephan J. Goetz, Pennsylvania State University  
(Discussant: Zachary Keeler, Texas Tech University)
- *Property Tax Limitations and Housing Prices*  
Zachary Keeler, Texas Tech University; Michael Cary, Virginia Tech; Heather Stephens, West Virginia University  
(Discussant: Peng Zhao, Doane University)
- *A New Approach to Estimating the Natural Rate of Housing Structure Depreciation*  
Peng Zhao, Doane University; Shihe Fu, Wuhan University  
(Discussant: Allyson Emblom-Hooe, North Carolina State University)

25. Trade and Supply Chain: New Technology and Policy  
Thursday | 1:45 pm-3:45 pm | Beauregard

**Chair:** Andrea Caragliu, Politecnico di Milano

- *Additive manufacturing and the geography of production*  
Nicola Cortinovis, Utrecht University  
(Discussant: Andrea Caragliu, Politecnico di Milano)
- *From managing interdependencies to managing dependency: European regional dynamics in the Open Strategic Autonomy scenario*  
Roberta Capello, Politecnico di Milano; Andrea Caragliu, Politecnico di Milano; Roberto Dellisanti, Politecnico di Milano  
(Discussant: Taejun Mo, University of Illinois Urbana Champaign)
- *Autonomous trucks are becoming a reality: How will they transform interstate trade across America?*  
Sandy Dall'erba, University of Illinois - Urbana-Champaign; Taejun Mo, University of Illinois Urbana Champaign; William Ridley, university of illinois; Yilan Xu, University of Illinois; Hyungsun Yim, University of Illinois at Urbana-Champaign  
(Discussant: Roberto Dellisanti, Politecnico di Milano)
- *Regional inequalities in the age of nearshoring*  
Roberta Capello, Politecnico di Milano; Roberto Dellisanti, Politecnico di Milano  
(Discussant: Nicola Cortinovis, Utrecht University)

26. Aging Population and Older Adults  
Thursday | 1:45 pm-3:45 pm | Audubon

**Chair:** Shalini Matharage, Northeastern University

- *"Everyday Nationalism" and Immigration in an Aging Society: An Analysis of Immigrant Perception in Japan*  
David Green, Nagoya University; Shalini Matharage, Northeastern University  
(Discussant: Yang Cheng, UW-Madison)
- *Access to the Elder Care and Gender Wage Gaps*  
Tessa Conroy, UW-Madison; Steven Deller, UW-Madison; Yang Cheng, UW-Madison  
(Discussant: Michael Cameron, University of Waikato)
- *Subnational population ageing in New Zealand: Past, present, and future*  
Michael Cameron, University of Waikato  
(Discussant: Shalini Matharage, Northeastern University)

27. Education Challenges and Commuting Dynamics  
Thursday | 1:45 pm-3:45 pm | Galerie 4

**Chair:** Shengrong Hu, Iowa State University

- *Resource Abundance and Education Attainment in the U.S.*  
Nyakundi Michieka, California State University Bakersfield; Richard Gearhart, California State University Bakersfield; Tim Bersak, Wofford College  
(Discussant: Shengrong Hu, Iowa State University)
- *Moving to STEM: Do institutions gain from reclassifying economics programs?*  
Shengrong Hu, Iowa State University

(Discussant: Nyakundi Michieka, California State University Bakersfield)

- *Promoting or Restricting: Welfare Implications of long-distance commuting*  
Pabel Ortiz, Catholic University of the North; Dusan Paredes, Catholic University of the North;  
Sebastian Cuellar, Catholic University of the North.  
(Discussant: Orsa Kekezi, SOFI, Stockholm University)
- *Firm Relocations and Heterogenous Returns to Commuting*  
Orsa Kekezi, SOFI, Stockholm University; Özge Öner, Cambridge University; Mikaela Backman,  
Jönköping International Business School  
(Discussant: Pabel Ortiz, Catholic University of the North)

## 28. Economic Impacts

Thursday | 1:45 pm-3:45 pm | Galerie 5

**Chair:** Roberto Koenke, University of Florida

- *A New Method for Improving Economic Contribution Estimates for Commercial Saltwater Fishing in Florida*  
Roberto Koenke, University of Florida; Christa Court, University of Florida; Andrew Ropicki,  
University of Florida; Ed Camp, University of Florida  
(Discussant: Courtney Bower, Cornell University)
- *Regionalizing the Global Innovation Index for the Eight US BEA Regions: A Case Study*  
Courtney Bower, Cornell University  
(Discussant: George Owusu-Antwi, Central State University)
- *Do Exchange Rate Volatility Matters? The Case of Foreign Direct Investment (FDI) Flows in Ghana,*  
George Owusu-Antwi, Central State University  
(Discussant: Philip McCann, The Productivity Institute, University of Manchester)
- *Capital Shocks and UK Regional Divergence: The Effects of the 2008 Global Financial Crisis and the 2016 Brexit Vote on the Risk-Premia of UK Cities and Regions*  
Michiel Daams, University of Groningen, the Netherlands; Philip McCann, The Productivity Institute, University of Manchester; Paolo Veneri, Gran Sasso Science Institute GSSI, Italy and OECD Paris; and Richard Barkham, CBRE, Dallas  
(Discussant: Roberto Koenke, University of Florida)

## 29. Environmental Challenges and Dynamics

Thursday | 1:45 pm-3:45 pm | Galerie 6

**Chair:** Bowei Dong, University of Oklahoma

- *How Are United States Agriculture Exports to the Philippines Affected by Natural Disasters?*  
Patrick Blaschke, North Dakota State University; Oudom Hean, North Dakota State University  
(Discussant: Bowei Dong, University of Oklahoma)
- *The Impact of Tornado Exposure on Startup Formation and Entrepreneurial Quality*  
Bowei Dong, University of Oklahoma  
(Discussant: Hanan Wehbi, University of Arkansas)



- *Factors Influencing the Transition to Renewable Energy in Rural American Communities: The Role of Multi-Level Governance*,  
Nathan Kemper, University of Arkansas, Hanan Wehbi, University of Arkansas  
(Discussant: Yue Ke, Argonne National Lab)
- *Economic Impacts of Electric Vehicle Production in the United States*,  
Yue Ke, Argonne National Lab  
(Discussant: Oudom Hean, North Dakota State University)

30. Transportation Industry: Trends & Policies  
Thursday | 1:45 pm-3:45 pm | Galerie 1

**Chair:** Shuji Uranishi, Osaka Metropolitan University

- *Rail Transit Disruptions, Traffic Generations, and Adaptations: Quasi-experimental Evidence from Hong Kong*  
Yifu Ou, Hong Kong Polytechnic University; Xin Li, City University of Hong Kong; Kyung-Min Nam, The University of Hong Kong  
(Discussant: Fumitoshi Mizutani, Kobe University)
- *Effects of Vertical Structure and Regulations on Costs of Urban Railways in Japan*  
Fumitoshi Mizutani, Kobe University; Shuji Uranishi, Osaka Metropolitan University (Discussant: Lauren McCarthy, George Mason University)
- *Diffusion and challenges of shared e-micromobility in the United States*  
Lauren McCarthy, George Mason University  
(Discussant: Kakuya Matsushima, Kyoto University)
- *A Theoretical Research about Market Structure of ride sharing service with Limited Market Participants*  
Kakuya Matsushima, Kyoto University  
(Discussant: Kyung-Min Nam, The University of Hong Kong)

**Coffee Break**  
3:45 pm-4:15 pm | Galerie Foyer

31. Regional Economic Effects of Disasters 2 [NARSC Special Session]  
Thursday | 4:15 pm-6:15 pm | Jackson  
**Organizers:** Yasuhide Okuyama, University of Kitakyushu

**Chair:** Yasuhide Okuyama, University of Kitakyushu

- *Mitigation of economic vulnerability by redundant highway network*  
Tomoki Ishikura, Tokyo Metropolitan University  
(Discussant: Inácio Araújo, University of São Paulo)
- *Geographical Propagation of the Economic Impacts of the ISIS Conflict in Iraq*.  
Inácio Araújo, University of São Paulo; Kieran P. Donaghy, Cornell University; Eduardo A. Haddad, University of São Paulo; Geoffrey J.D. Hewing, University of Illinois (Discussant: Yasuhide Okuyama, University of Kitakyushu)

- *Core Structure of Regional Economy in a Disaster.*  
Yasuhide Okuyama, University of Kitakyushu  
(Discussant: Kieran P. Donaghy, Cornell University)
- *An Examination of the Resilience of the Iraqi Economy and Transport Infrastructure Networks to Human and Natural Disruptions,*  
Kieran P. Donaghy, Cornell University  
(Discussant: Tomoki Ishikura, Tokyo Metropolitan University)

32. Digital and Spatial Inequities in Access to Services  
Thursday | 4:15 pm-6:15 pm | Galvez

**Chair:** Chiara F. Del Bo, Università degli Studi di Milano

- *Assessing Spatial Disparities in Healthcare Services: Discrepancies, Clustering, and Geographic Scale Effects*  
Hyun Kim, University of Tennessee; Changwha Oh, University of Tennessee  
(Discussant: Chiara F. Del Bo, Università degli Studi di Milano)
- *Regional institutions and the urban digital divide*  
Chiara F. Del Bo, Università degli Studi di Milano; Andrea Caragliu, Politecnico di Milano  
(Discussant: Caroline Welter, West Virginia University)
- *Breaking Barriers to Access: Investigating the Impact of COVID-19-induced SSA Field Office Closures on Disability Benefit Applications*  
Caroline Welter, West Virginia University  
(Discussant: Hyun Kim, University of Tennessee)

33. Regional/Rural Development Sessions III: Neighborhoods and Quality of Life [NARSC Special Session]  
Thursday | 4:15 pm-6:15 pm | Beauregard

**Organizers:** Tim Komarek, Colorado State University; Sarah Low, University of Illinois at Urbana-Champaign; Stephan Weiler, Colorado State University

**Chair:** Sarah Low, University of Illinois at Urbana-Champaign

- *Determinates of Quality of Life: Using Community Capital Framework*  
Yang Cheng, UW-Madison  
(Discussant: Andrew Van Leuven, University of Vermont)
- *Measuring Rural-Urban Price Convergence with Spatially Precise Data*  
Fernanda Alfaro, Michigan State University; Scott Loveridge, Michigan State University; Dusan Paredes, Universidad Católica del Norte; Mark Skidmore, Michigan State University.  
(Discussant: Yang Cheng, UW-Madison)
- *Welfare Effects of Decentralized Zoning Authority in Cities: Evidence from Philadelphia*  
Jacob Moore, University of California, Berkeley  
(Discussant: Fernanda Alfaro, Michigan State University)
- *Neighborhood Quality of Life and the Role of the 'Third Place'*

Andrew Van Leuven, University of Vermont  
(Discussant: Jacob Moore, University of California, Berkeley)

34. Transportation, Connectivity & Infrastructure  
Thursday | 4:15 pm-6:15 pm | Audubon

**Chair:** Muhammet Sever, George Mason University

- *Street Connectivity as a Fundamental Determinant of Urban Prosperity: An Empirical Study of Over 200 Cities Worldwide*  
Ahyoung Chang, University of Texas, Austin; Jiin Nam, University of Seoul; Junfeng Jiao, University of Texas, Austin  
(Discussant: Muhammet Sever, George Mason University)
- *Using Refinancing of Federal Loans to Support Transportation Infrastructure Asset Management and Delivery: Lessons from the Covid-19 Pandemic*  
Muhammet Sever, George Mason University; Jonathan Gifford, George Mason University; Carter Casady, University of Stanford  
(Discussant: Lauren McCarthy, George Mason University)
- *Addressing transportation disparities through target investments: a case of shared micromobility programs*  
Lauren McCarthy, George Mason University; Nick Perloff-Giles, Shared-Use Mobility Center  
(Discussant: Muhammet Sever, George Mason University)
- *Exploring Self-Sufficiency in Transportation Infrastructure: Analyzing the Interrelationship of Federal, State, and Local Funding in Major U.S. Metropolitan Areas*  
Muhammet Sever, George Mason University; Jonathan Gifford, George Mason University; Susan Binder, Cambridge Systematics, Inc.; Adriana Valentina Farias, George Mason University  
(Discussant: Ahyoung Chang, University of Texas, Austin)

35. Travel Patterns and Behavior  
Thursday | 4:15 pm-6:15 pm | Galerie 4

**Chair:** Renato Vieira, Universidade de São Paulo

- *Travel Behavior Effects of Fare-Free Public Transportation for the Elderly in Brazilian Metropolitan Areas*  
Renato Vieira, Universidade de São Paulo; Lucas Emanuel, UFBA; Rafael Pereira, IPEA; Pedro Alves, UCB  
(Discussant: Richard Funderburg, University of Illinois Springfield)
- *Trip Distribution Post-Pandemic and Disparate Impacts of Work from Home on Demands for Transit Services in Chicago: Evaluating Mobility Network Patterns from Mobile Phone Tracing Data*  
Richard Funderburg, University of Illinois Springfield; Tong Ye, University of Illinois Chicago; Chen Xie, University of Illinois Chicago  
(Discussant: Zhongying Gan, Roger Williams University)
- *Freeway Congestion and Labor Force Participation: Evidence from Greater Los Angeles*  
Zhongying Gan, Roger Williams University  
(Discussant: Renato Vieira, Universidade de São Paulo)

36. Environmental and Economic Impacts  
Thursday | 4:15 pm-6:15 pm | Galerie 5

**Chair:** Edson Domingues, Federal University of Minas Gerais

- *Energy Use in Rural America: Disparities in Cost and Policy Application*  
Justin Winikoff, Economic Research Service; Hannah Kamen, Colorado School of Mines; Richelle Winkler, Economic Research Service  
(Discussant: Edson Domingues, Federal University of Minas Gerais)
- *Biofuel Policies in Brazil: Short-Term Measures, Land Use, Deforestation, and Greenhouse Gas Emissions*  
Edson Domingues, Federal University of Minas Gerais; Madhu Khanna, University of Illinois Urbana-Champaign; Aline Magalhaes, Federal University of Minas Gerais; Diego Miyajima, Federal University of Minas Gerais  
(Discussant: Hannah Kamen, Colorado School of Mines)
- *NFIP Insurance, Non-Major Flooding Events, and Learning*  
Mitchell Livy, California State University – Fullerton  
(Discussant: Hannah Kamen, Colorado School of Mines)

37. Gentrification and Dynamics of Inter-regional Human Mobility  
Thursday | 4:15 pm-6:15 pm | Galerie 6

**Chair:** Minjae Yun, Claremont McKenna College

- *An input-output analysis of the key drivers in CO2 emissions from a regional supply perspective: an application to the Brazilian states*  
Fernando Perobelli, Federal University of Juiz de Fora; Geoffrey Hewings, University of Illinois; Eduardo A. Haddad, University of São Paulo; Guilherme Salgueiro, Federal University of Minas Gerais  
(Discussant: Minjae Yun, Claremont McKenna College)
- *Understanding Urban Street Homeless Dynamics and the Determinants: A Spillover Analysis in Los Angeles*  
Minjae Yun, Claremont McKenna College; Jieun Lee, Emory University  
(Discussant: Richard Martin, University of Georgia)
- *Racial Dynamics in Gentrifying Neighborhoods*  
Richard Martin, University of Georgia  
(Discussant: Fernando Perobelli, Federal University of Juiz de Fora)

38. Housing Markets and Socioeconomic Disparities  
Thursday | 4:15 pm-6:15 pm | Galerie 1

**Chair:** Indraneel Kumar, Purdue University

- *An Application of Network Analysis on Industry Clusters*  
Indraneel Kumar, Purdue University

(Discussant: Hyeon Ahn, Seoul National University)

- *A Study on Disparities in Access to Public Amenities Based on the Spatial Analysis of Population Groups Using Grid Data*  
Hyeon Ahn, Seoul National University; In Kwon Park, Seoul National University (Discussant: Anton Babkin, University of Wisconsin - Madison)
- *Economic Catchment Areas: A New Place Typology Based on Supply Chain Connectedness*  
Anton Babkin, University of Wisconsin - Madison; Richard A. Dunn, USDA-ERS; Austin Sandler, University of Connecticut; Katherine J. Curtis, University of Wisconsin - Madison; Sara Peters, University of Wisconsin - Madison; Clayton Adamson, University of Wisconsin - Madison  
(Discussant: Indraneel Kumar, Purdue University)

39. PRESCO Council Meeting (Invitation only)  
Thursday | 4:15 pm-6:15 pm | Napoleon

40. [NARSC Presidential Address]  
Thursday | 6:15 pm-7:30 pm | Galerie 1

- *How can Regional Scientists keep contributing to climate and environmental economics?*  
Sandy Dall'erba, University of Illinois at Urbana-Champaign

41. Welcome Reception  
7:30-8:30 pm | Riverview 1

# Friday, November 15

Registration | Galerie Registration

## 42. Location and Spatial Analysis I [NARSC Special Session]

Friday | 8:00 am-10:00 am | Jackson

**Organizers:** Alan Murray, University of California at Santa Barbara; Ran Wei, University of California at Riverside

**Chair:** Alan Murray, University of California at Santa Barbara

- *Regional Optimization to Enhance District Efficiency, Fairness, and Equity*  
Jiwon Baik, Alan Murray, University of California at Santa Barbara; Jing Xu, Enbo Zhou  
(Discussant: Eli Knaap, San Diego State University)
- *Spatial variation in the voting population: comparing the American Community Survey and State Voter Roll data*  
Christopher Fowler, Billy Southern  
(Discussant: Serge Rey, San Diego State University)
- *Delineating school attendance boundaries to improve diversity and community integrity*  
Ran Wei, University of California, Riverside  
(Discussant: Mark Horner, Florida State University)
- *RegionDefiner: Democratizing Regionalization Algorithms Through Large Language Models*  
Xin (Selena) Feng, University of Oklahoma  
(Discussant: Christopher Fowler, Billy Southern)

## 43. Regional/Rural Development Sessions IV: essential rural infrastructure [NARSC Special Session]

Friday | 8:00 am-10:00 am | Galvez

**Organizers:** Tim Komarek, Colorado State University; Sarah Low, University of Illinois at Urbana-Champaign; Stephan Weiler, Colorado State University

**Chair:** Ray Miller, Colorado State University

- *The Long-Run Effects of Interstate Highways on Migration and Labor Market Outcomes in Rural America*  
Heejin Kim, Michigan State University; John Anders, Trinity University; Craig Wesley Carpenter, Michigan State University; Marcus Bernard, Kentucky State University; Trey Malone, Purdue University  
(Discussant: Tim Komarek, Colorado State University)
- *The Relationship between Broadband Adoption and Internet Speed*  
Thomas Keene, University of Kentucky  
(Discussant: Heejin Kim, Michigan State University)
- *Impacts of Broadband Availability and Speeds on Agricultural Land Values in the U.S. Corn Belt*  
John Pender, USDA ERS  
(Discussant: Thomas Keene, University of Kentucky)



- *From Hospitals to Economic Growth: Analyzing the Hill-Burton Program's Structural Effects*  
Tim Komarek, Colorado State University  
(Discussant: John Pender, USDA ERS)

44. Tiebout Centenary I [NARSC Special Session]  
Friday | 8:00 am-10:00 am | Beauregard

**Organizers:** Steven Craig, University of Houston; Eric Heikkila, University of Southern California;  
Geoffrey Hewings, University of Illinois

**Chair:** Geoffrey Hewings, University of Illinois

- *Opportunistic Investment: The Political Economy Impacts of FEMA Hurricane Declarations*  
Amir B. Ferreira Neto, Florida Gulf Coast University; Rushaine Goulbourne, Freddie Mac; Amanda Ross, University of Alabama  
(Discussant: Steven Craig, University of Houston)
- *Public Good Provision and Progressive Income Taxation in a Spatial Economy*  
Juan Carlos G Lopez, University of Denver  
(Discussant: Amanda Ross, University of Alabama)
- *Jurisdictional homogeneity and coterminous local government borders: A comparison of counties in New Jersey and New York State*  
Lee Hachadoorian, Temple University  
(Discussant: Steven Craig, University of Houston)
- *Within-City Tiebout: The Economic Consequences of Crossed Borders*  
Steven Craig, University of Houston; Edward Hoang, University of Colorado, Colorado Springs  
(Discussant: Juan Carlos G Lopez, University of Denver)

45. Transportation Planning and Policy Analysis  
Friday | 8:00 am-10:00 am | Audubon

**Chair:** Davis Chacón Hurtado, University of Connecticut

- *Understanding US Vehicle Dynamics As a Social-Spatial Process*,  
Jason Hawkins, University of Nebraska Lincoln  
(Discussant: Fred Treyz, REMI)
- *Advances in Regional Policy Modeling: Augmenting Analytical Processes Using Generative AI*,  
Fred Treyz, REMI and Brian Riel, REMI  
(Discussant: Davis Chacón Hurtado)
- *Exploring the relationship between the built environment, crime, and bus ridership: A case study in Hartford, Connecticut*,  
Davis Chacón Hurtado, University of Connecticut  
(Discussant: Marina Manganaris, George Mason University)
- *Procurement of Zero-Emission Buses: Theory and practice*  
Marina Manganaris, George Mason University

(Discussant: Jason Hawkins, University of Nebraska Lincoln)

46. Impacts of Automation and Transformations of Work

Friday | 8:00 am-10:00 am | Galerie 4

**Chair:** Camilla Lenzi, Politecnico di Milano

- *Manufacturing automation and its implication for local employment outcomes: Evidence from Sweden*  
Peter Njekwa Ryberg, Jönköping International Business School  
(Discussant: Camilla Lenzi, Politecnico di Milano)
- *Income and Wage Inequalities from Automation. A European perspective*  
Camilla Lenzi, Politecnico di Milano; Elisa Panzera, Politecnico di Milano  
(Discussant: Johan Klaesson, Jonkoping International Business School)
- *Automation and Job Security: Who's at Risk of Losing Their Job?*  
Johan Klaesson, Jonkoping International Business School; Peter Njekwa Ryberg, Jönköping International Business School; Lina Bjerke, Jonkoping International Business School  
(Discussant: Ting Zhang, University of Baltimore)
- *Empowering Entrepreneurs: Age, Telework, and Geographic Context in Transitioning to Entrepreneurship*  
Ting Zhang, University of Baltimore; Hanchen Yu, Chongqing University; Sheshank Karki, Virginia Tech  
(Discussant: Peter Njekwa Ryberg, Jönköping International Business School)

47. Infrastructure Investment and Regional Connectivity

Friday | 8:00 am-10:00 am | Galerie 5

**Chair:** Zhenhua Chen, Ohio State University

- *The road to many endings: Perceived regional impacts of the highway-20 extension in Eastern Quebec*  
Julia Carignan, Université du Québec à Rimouski; Marie-Sophie Gauthier, Université du Québec à Rimouski; Nicolas Devaux, Université du Québec à Rimouski; Jean Dube, Université Laval  
(Discussant: Zhenhua Chen, Ohio State University)
- *The Scaling Dynamics of Railways and Cities in England and Wales from 1831 to 2021*  
Zhenhua Chen, Ohio State University; Alexis Litvine, Cambridge University; Leigh Shaw-Taylor, Cambridge University  
(Discussant: Nairne Cameron, Algoma University)
- *Criss-Crossing Superior: A Case Study of Lake Superior Region Transportation Patterns 2000-2022*  
Nairne Cameron, Algoma University  
(Discussant: Veneziano Araujo, Federal University of São Paulo)
- *Enhancing Innovation through Transport Infrastructure: Airports Expansion and Patents in Brazil*  
Veneziano Araujo, Federal University of São Paulo  
(Discussant: Nicolas Devaux, Université du Québec à Rimouski)

48. Labor Market Dynamics and Challenges  
Friday | 8:00 am-10:00 am | Galerie 6

**Chair:** Christopher Blake, Emory University

- *Do Superstar Employers depress labor shares? Evidence from Georgia, Southern States, and the United States*  
Christopher Blake, Emory University, Oxford College; Shaheen Pirani, Emory University  
(Discussant: Carsten Ochsén, University of Applied Labour Studies)
- *On the Gender Pay Gap in Germany*,  
Carsten Ochsén, University of Applied Labour Studies; Stephan Brunow, University of Applied Labour Studies; Michaela Fuchs, Institute for Employment Research  
(Discussant: Laura Ciucci, University of Artois)
- *Unveiling the Evolution of Gender Gap of PhD holders: A Regional Perspective in Italy*,  
Laura Ciucci, University of Artois; Martina DalMolin, Gran Sasso Science Institute; Claudio Detotto, University of Corsica; Adriana Pinate, Gran Sasso Science Institute  
(Discussant: Christopher Blake, Emory University)

49. Workplace Well-being and Gender Dynamics  
Friday | 8:00 am-10:00 am | Galerie 1

**Chair:** Dimitris Ballas, Groningen University

- *Female-dominated industry growth and regional fertility rates*  
Michael Betz, Ohio State University  
(Discussant: Mustahsin Aziz, West Virginia University)
- *Nature at Work: The impact of greenspace on worker productivity*  
Mustahsin Aziz, West Virginia University; Heather Stephens, West Virginia University (Discussant: Alvertos Konstantinis, Groningen University)
- *Peer effects and Subjective Wellbeing: a spatial micro econometric analysis of precarious employees in the London metropolitan area*  
Alvertos Konstantinis, Groningen University; Dimitris Ballas, Groningen University; Paul Elhorst, Groningen University; Richard Rijnks, Groningen University  
(Discussant: Harim Jeong, Seoul National University)
- *The Impact of Multidimensional Poverty of Youth on Social Capital and Life Satisfaction: Focusing on the Mediating Role of Social Capital*  
Harim Jeong, Seoul National University; In Kwon Park, Seoul National University (Discussant: Michael Betz, Ohio State University)

**Coffee Break**  
10:00 am-10:30 am | Galerie Foyer

50. Regional Science, Climate Change, Environmental Footprint 2 [NARSC Special Session]

Friday | 10:30 am-12:30 pm | Jackson

**Organizers:** Sandy Dall'erba, University of Illinois at Urbana-Champaign; Stephan Goetz, Penn State University; Lei Zhang, Old Dominion University

**Chair:** Stephan Goetz, Penn State University

- *Uncovering the Key Transportation Links in the U.S. Domestic Food Supply Chain Through Disruption Simulations*  
Taejun Mo, University of Illinois at Urbana-Champaign; Sandy Dall'erba, University of Illinois at Urbana-Champaign  
(Discussant: Mengming Li, National Renewable Energy Laboratory)
- *State-level Economic, Environmental and Workforce Impacts of Sustainable Aviation Fuel Production*  
Andre F.T. Avelino, National Renewable Energy Laboratory; Yimin Zhang, National Renewable Energy Laboratory; Greg Avery, National Renewable Energy Laboratory; Mengming Li, National Renewable Energy Laboratory; Alberto Franco Solís, National Renewable Energy Laboratory  
(Discussant: Taejun Mo, University of Illinois at Urbana-Champaign)
- *Difference-in-Differences with endogenous externalities: model and application to climate econometrics*  
Sandy Dall'erba, University of Illinois at Urbana-Champaign; Andre Chagas, University of Sao Paulo; William Ridley, University of Illinois at Urbana-Champaign; Yilan Xu, University of Illinois at Urbana-Champaign; Lilin Yuan, Nankai University  
(Discussant: Serge Rey, San Diego State University)

51. Political Transition: Evolution & Impacts

Friday | 10:30 am-12:30 pm | Galerie 1

**Chair:** Guido Sechi, University of Latvia

- *Globalization and populism. Evidence from local labor markets in Greece*  
Nikolaos Terzidis, Groningen University  
(Discussant: Guido Sechi, University of Latvia)
- *The company town under neoliberal restructuring: insights from the former second world*  
Guido Sechi, University of Latvia; Kārlis Lakševics, University of Latvia; Māris Bērziņš, University of Latvia  
(Discussant: André Torre, INRA – AgroParisTech)
- *The Geography of Disenchantment: Understanding Voter Abstention in France*  
Sebastien Bourdin, EM Normandie Business School; André Torre, INRA – AgroParisTech  
(Discussant: Rafael González-Val, Universidad de Zaragoza)
- *Club classification of foreclosure rates in Spain*  
Rafael González-Val, Universidad de Zaragoza  
(Discussant: Nikolaos Terzidis, Groningen University)

52. Location and Spatial Analysis II – [NARSC Special Session]

Friday | 10:30 am-12:30 pm | Galvez

**Organizers:** Alan Murray, University of California at Santa Barbara; Ran Wei, University of California at Riverside

**Chair:** Ran Wei, University of California at Riverside

- *The Influence of Environmental Disruption on Offender -Target Interactions and Criminal Activity in Emergency Scenarios*  
Ashleigh Price, The University of Alabama; Kevin Curtin, The University of Alabama  
(Discussant: Alan Murray, University of California at Santa Barbara)
- *Location and regional risk of fire*  
Alan Murray, University of California at Santa Barbara  
(Discussant: Santiago Pinto, Federal Reserve Bank of Richmond)
- *District Heterogeneity, Legislative Bargaining, and Trade Policy*  
Santiago Pinto, Federal Reserve Bank of Richmond, Pablo Pinto, University of Houston, Kishore Gawande, University of Texas at Austin  
(Discussant: Khumoyun Abdumavlonov, University of Pittsburgh)
- *Market Access and Urban Growth in the Former Soviet Union*  
Khumoyun Abdumavlonov, University of Pittsburgh  
(Discussant: Ashleigh Price, The University of Alabama)

53. Regional/Rural Development Sessions V: New work on natural amenities and a natural amenities scale update [NARSC Special Session]

Friday | 10:30 am-12:30 pm | Beauregard

**Organizers:** Tim Komarek, Colorado State University; Sarah Low, University of Illinois at Urbana-Champaign; Stephan Weiler, Colorado State University

**Chair:** David A McGranahan, USDA ERS

- *Measuring Topographical and Landscape Appeal*  
David Nason, University of West Virginia; Laura Paul, USDA ERS; David A McGranahan, USDA Economic Research Service; Richelle Winkler, USDA Economic Research Service; Elizabeth Dobis, USDA Economic Research Service  
(Discussant: John Pender, USDA ERS)
- *Climate Amenities and Disamenities in Rural Areas: Change Over 80 years*  
Laura Paul, USDA ERS; Richelle Winkler, USDA Economic Research Service; David A McGranahan, USDA Economic Research Service; David Nason, University of West Virginia  
(Discussant: Sarah Low, University of Illinois at Urbana-Champaign)
- *Impact of climate change and natural amenities on human and income migration in the US*  
Ephraim Nkonya, US Department of Agriculture; Mahalia Clark, University of Vermont; Gillian Galford, University of Vermont  
(Discussant: Ayoung Kim, Mississippi State University)

- *The Area and Road Ruggedness Scales: Characterizing Rugged Terrain in the United States*  
Elizabeth Dobis, USDA Economic Research Service; John Cromartie, USDA Economic Research Service; Kyle Reed, USDA Economic Research Service  
(Discussant: Heather Stephens, West Virginia University)
- *Constructing a new Natural Amenities Scale*  
David A. McGranahan, USDA Economic Research Service; Laura Paul, USDA Economic Research Service (Discussant: Steven Deller, UW-Madison)

#### 54. Issues in Labor Market

Friday | 10:30 am-12:30 pm | Audubon

**Chair:** David Nason, University of West Virginia

- *Can the unequal distribution of urban green areas contribute to the intra-city wage gap? An analysis of four cities in Chile*  
Rodrigo Perez-Silva, Pontificia Universidad Católica de Chile  
(Discussant: Florian Bartholomae, Munich Business School)
- *Mobile Working vs. Labor Mobility: Impact on Urban Development*  
Florian Bartholomae, Munich Business School; Alina Schoenberg, IMC University of Applied Sciences Krems  
(Discussant: David Nason, University of West Virginia)
- *Evaluating the Impact of Changes in Skill Demand on Job Separations, Hiring Behavior, and Wage Dynamics*  
David Nason, University of West Virginia  
(Discussant: Lina Bjerke, Jonkoping International Business School)
- *Job Polarization and the Urban Wage Premium*  
Lina Bjerke, Jonkoping International Business School; Johan Klaesson, Jonkoping International Business School  
(Discussant: Rodrigo Perez-Silva, Pontificia Universidad Católica de Chile)

#### 55. Land Use Dynamics and Zoning

Friday | 10:30 am-12:30 pm | Galerie 4

**Chair:** Janet Kohlhase, University of Houston

- *Environmental Consequences of Job Growth: A Study of Land Use Dynamics*  
Michael Cary, Virginia Tech  
(Discussant: Jiaxin Zhang, University of Toronto)
- *Unraveling Commercial Land Use Dynamics: A Parcel-Level Simulation Approach for the GTHA*  
Jiaxin Zhang, University of Toronto; Mwendwa Kiko, University of Toronto; Eric Miller, University of Toronto  
(Discussant: Marcos Sanso-Navarro, Universidad de Zaragoza)
- *The determinants of national city size distributions: A BMA approach*



Miguel Puente-Ajovín, Universidad de Zaragoza & IEDIS; Marcos Sanso-Navarro, Universidad de Zaragoza; María Vera-Cabello, Centro Universitario de la Defensa de Zaragoza  
(Discussant: Jean Dube, Université Laval)

- *Impact of new residential developments on the urban canopy: an application using an event study analysis approach*  
Émilie Béland, Université Laval; Younès Bouakline, Université Laval; Jean Dube, Université Laval; Cédrik McKenzie, Université Laval; Liam Verville, Université Laval  
(Discussant: Michael Cary, Virginia Tech)

56. Migration: Causes and Consequences  
Friday | 10:30 am-12:30 pm | Galerie 5

**Chair:** Steven Craig, University of Houston

- *Older Adult Migration and Mobility: Data-Driven Insights*  
Bruce Newbold, McMaster University  
(Discussant: Tatsuya Kusumi, University of Tokyo)
- *Gender Differences in Distance Dependence of Migration*  
Tatsuya Kusumi, University of Tokyo  
(Discussant: Mario Intini, University of Bari)
- *Analyzing Accessibility to Citizenship Services. A Network Analysis and Machine Learning Approach*  
Angela Stefania Bergantino, Mario Intini, Gianluca Monturano, University of Bari  
(Discussant: Bruce Newbold, McMaster University)

57. Student Paper Competition Finalists  
Friday | 10:30 am-12:30 pm | Galerie 6

- *Regional automation risk estimation and the impact of digitization on regional resilience: 4.0 transformation*  
Jihan Park, Pusan National University; Donghyun Kim, Pusan National University (Discussant: Orsa Kekezi, SOFI, Stockholm University)
- *Bridging Theory and Deep Learning: Predicting and Understanding Environmental Factors on Traffic Violations*  
Hao Yang, Department of Geography, University of Georgia, Athens, GA, USA (Discussant: Rafael Faria de Abreu Campos, Federal University of Viçosa)

**12:30 pm-2:30 pm**  
**Lunch and award ceremony**  
**Mardi Gras Ballroom**

58. Outreach in Regional Science II [NARSC Special Session]

Friday | 2:30 pm-4:30 pm | Jackson

*Sponsored by Reaching Regions*

**Organizers:** Heather Stephens, West Virginia University; John Winters, Iowa State University

**Chair:** Heather Stephens, West Virginia University

**Discussants:** Steve Deller, Heather Stephens, and John Winters

- *Tax Increment Financing and School Funding in Oklahoma: The Split Matters*  
Cynthia Rogers, University of Oklahoma; Stephen Ellis, University of Oklahoma
- *A Regional Look at Regional Food Markets Post-COVID*  
Dawn Thilmany, Colorado State University, Jairus Rossi, University of Kentucky, and Mackenzie Gill, Colorado State University
- *Regionalizing the Global Innovation Index for the Eight US BEA Regions: A Case Study*  
Courtney Bower, Cornell University
- *Non-Metropolitan Areas Lag Behind in Work-from-Home Rates*  
John Winters, Iowa State University

59. Location and Spatial Analysis III -- [NARSC Special Session]

Friday | 2:30 pm-4:30 pm | Galvez

**Organizers:** Alan Murray, University of California at Santa Barbara; Ran Wei, University of California at Riverside

**Chair:** Xin Feng, University of Oklahoma

- *Exploring Segregation in Education Systems Using Openstreetmap and Optimization Modeling*  
Dylan Skrah, University of California at Santa Barbara; Alan Murray, University of California at Santa Barbara; Sergio Rey, San Diego State University  
(Discussant: Ashleigh Price, The University of Alabama)
- *An Improved Approach to Measuring Spatial Accessibility to Emergency Medical Services Using the Rational Agent Access Model*  
Kyusik Kim, Kyusang Kwon, Mark Horner  
(Discussant: Zhongqi Zheng, University of California at Santa Barbara)
- *Evacuation bottlenecks in fire prone regions*  
Zhongqi Zheng, University of California at Santa Barbara; Alan Murray, University of California at Santa Barbara  
(Discussant: Dylan Skrah, SDSU)
- *Multi-Factor partitioning and Spatial interactions: A shift-share analysis*  
Claudia Montaña, University of Arizona; Geoffrey Hewings, University of Illinois; Michael Ray, Carleton University  
(Discussant: Heather Stephens, WVU)

60. Regional/Rural Development Sessions VI: Place-based program evaluation [NARSC Special Session]  
Friday | 2:30 pm-4:30 pm | Beauregard

**Organizers:** Tim Komarek, Colorado State University; Sarah Low, University of Illinois at Urbana-Champaign; Stephan Weiler, Colorado State University

**Chair:** Anil Rupasingha, USDA ERS

- *The “Crowding Out” Effects of Special Districts: Evidence from Colorado’s Metropolitan Districts*  
Kendall Stephenson, Colorado State University  
(Discussant: Anil Rupasingha, USDA ERS)
- *Credit Provision in Rural Versus Urban Areas: Evidence from the Paycheck Protection Program*  
Jason Brown, Federal Reserve Bank of Kansas City  
(Discussant: Steven Deller, UW-Madison)
- *The effect of USDA Rural Business-Cooperative Service business development programs on rural business outcomes*  
James Davis, USDA ERS  
(Discussant: Jason Brown, Federal Reserve Bank of Kansas City)
- *Early Impacts of Opportunity Zones on Rural Business Outcomes*  
Anil Rupasingha, USDA ERS; James Davis, USDA ERS; Josemari Feliciano, Yale University  
(Discussant: Kendall Stephenson, Colorado State University)

61. Tiebout Centenary II [NARSC Special Session]  
Friday | 2:30 pm-4:30 pm | Audubon

**Organizers:** Steven Craig, University of Houston; Eric Heikkila, University of Southern California; Geoffrey Hewings, University of Illinois

**Chair:** Geoffrey Hewings, University of Illinois

- *Tiebout vs. Samuelson: analyzing fragmentation and the cost of boundaries in providing a public service*  
Rick Church, University of California, Santa Barbara  
(Discussant: Daeyoung Kwon, University of Nevada, Las Vegas)
- *Elderly Migration in the U.S.: Who Moves, Where They Go, and What Drives Their Decisions?*  
Daeyoung Kwon, University of Nevada, Las Vegas; Jaewon Lim, University of Nevada, Las Vegas; Ayoung Kim, Mississippi State University; Soo Jung Ha, Korea Research Institute for Human Settlements  
(Discussant: Eric Heikkila, University of Southern California)
- *Tieboutian Clubs Revisited*  
Eric Heikkila, University of Southern California; Jordy Coutin, University of Southern California  
(Discussant: Soomi Lee, University of LaVerne)
- *Welfare Consequences of Mobility Restrictions in the Tiebout Model: An Agent-Based Modeling Approach*  
Soomi Lee, University of LaVerne; Yuri Mansury, Illinois Institute of Technology (Discussant: Rick Church, University of California, Santa Barbara)

62. Diversity, Equity, and Inclusion in Regional Science [NARSC Special Session and panel discussion]

Friday | 2:30 pm-4:30 pm | Galerie 4

**Organizers:** Cristina Miller, Rural Development Innovation Center, USDA; Yuri Mansury, Illinois Institute of Technology; Daoqin Tong, Arizona State University; Carlianne Patrick, Georgia State University

**Chair:** Amanda Weinstein, Center on Rural Innovation

- *Heterogeneous Effects of Economic Development Policies*  
Carlianne Patrick, Georgia State University

Presentation followed by a panel discussion

63. Regional Dynamics and Infrastructure: Mobility, Economy, and Resilience  
Friday | 2:30 pm-4:30 pm | Galerie 5

**Chair:** Riccardo Turati, Universitat Autònoma de Barcelona

- *Skill-Specific Drivers of Internal Mobility: Evidence from Italian Municipalities*  
Riccardo Turati, Universitat Autònoma de Barcelona; Stefano Iandolo, University of Salerno; Angela Stefania Bergantino, University of Bari; Antonello Clemente, University Aldo Moro of Bari (Discussant: Andrea Caragliu, Politecnico di Milano)
- *Ex post assessment of the economic impacts on border regions of COVID-19 closures*,  
Andrea Caragliu, Politecnico di Milano  
(Discussant: Tarn Somervell Fletcher, George Mason University)
- *Overdesign in Civil Infrastructure Systems: The Influence of Infrastructure Funding, Finance, and Procurement on Facility Design and Delivery*  
Tarn Somervell Fletcher, George Mason University; Jonathan Gifford, George Mason University (Discussant: Roberto Dellisanti, Politecnico di Milano)
- *Smile-and-go. Regional performance through global value chains in Europe*  
Roberta Capello, Politecnico di Milano; Roberto Dellisanti, Politecnico di Milano  
(Discussant: Riccardo Turati, Universitat Autònoma de Barcelona)

64. Regional Science, Climate Change, Environmental Footprint 3 [NARSC Special Session]  
Friday | 2:30 pm-4:30 pm | Galerie 6

**Organizers:** Sandy Dall'erba, University of Illinois at Urbana-Champaign; Stephan Goetz, Penn State University; Lei Zhang, Old Dominion University

**Chair:** Stephan Goetz, Penn State University

- *Tracing County-to-County Domestic Trade Flows in Grains*  
Sandy Dall'erba, University of Illinois at Urbana-Champaign; William Ridley, University of Illinois at Urbana-Champaign; Jian Zou, University of Illinois at Urbana-Champaign; Noé J. Nava, USDA ERS; Youning Chen, University of Illinois at Urbana-Champaign  
(Discussant: Timothy R Wojan, Oak Ridge Institute for Science and Education)

- *The Why, How, and Where of Industrial Decarbonization: Questions to Investigate Using the 2023 Annual Business Survey*  
Timothy R Wojan, Oak Ridge Institute for Science and Education; Zheng Tian, Pennsylvania State University; Luyi Han, Pennsylvania State University; Stephan J. Goetz, Pennsylvania State University; Justin Winikoff, Economic Research Service  
(Discussant: Yilan Xu, University of Illinois at Urbana-Champaign)
- *Peer Effects on Climate Change Beliefs*  
Xialing Zhao, Pennsylvania State University; Yilan Xu, University of Illinois at Urbana-Champaign; Linlin Fan, Pennsylvania State University  
(Discussant: Hyun Kim, Chungnam National University )
- *Climate Gentrification and Green Infrastructure in the U.S. Great Lakes Region: Engaging with Heat Exposure and Adaptation Policy*,  
Hyun Kim, Chungnam National University  
(Discussant: Andre F.T. Avelino, National Renewable Energy Laboratory)

65. Regional Dynamics: The Role of Data, Technology, and Conceptual Advancements  
Friday | 2:30 pm-4:30 pm | Galerie 1

**Chair:** Angela Stefania Bergantino, University of Bari

- *Opportunities and challenges of using big data in territorial planning and monitoring*  
Nicolas Devaux, Université du Québec à Rimouski; Jean Dube, Université Laval; Diego Andres Cardenas Morales, Laval University; Cédric Brunelle, INRS-UCS  
(Discussant: Angela Stefania Bergantino)
- *Application of machine learning algorithms to quality-of-life decision-making problems*  
Angela Stefania Bergantino, University of Bari; Mario Intini, University of Bari; Michele Vitagliano, University of Bari  
(Discussant: Elizabeth Redmond, Cornell University)
- *Reevaluating the Concept of the Region in Regional Science*  
Elizabeth Redmond, Cornell University  
(Discussant: Nicolas Devaux, Université du Québec à Rimouski)

**4:30 pm-on**  
**Dinner on your own**

# Saturday, November 16

Registration | Galerie Registration

## 66. Agri-food Industry and Consumption Saturday | 8:00 am-10:00 am | Jackson

**Chair:** George Owusu-Antwi, Central State University

- *Ultra-Processed Food Consumption and Micronutrient Intake in the Regions of Mexico*  
Hector Nuñez, Banxico and CIDE; Anna Mata, Banxico; Irving Mc Liberty, Banxico; Norma Rodríguez, Banxico  
(Discussant: George Owusu-Antwi, Central State University)
- *Sustainable Farming- Capturing the Future for US Agriculture: Fixed Effect Approach*  
George Owusu-Antwi, Central State University; Saima Bashir, Central State University  
(Discussant: Nathan Kemper, University of Arkansas)
- *Spatial Heterogeneity in Household Food Waste Attitudes and Behaviors*,  
Nathan Kemper, University of Arkansas  
(Discussant: Hyungsun Yim, University of Illinois at Urbana-Champaign)
- *The Impact of Weather on Agricultural Profit and Land Value: Evidence from 1076 Estimates*  
Sandy Dall'erba, University of Illinois - Urbana-Champaign; Rafael Garduno-Rivera, University of Navarra, Pamplona, Spain; Hyungsun Yim, University of Illinois at Urbana-Champaign; Taejun Mo, University of Illinois Urbana Champaign; Eduardo Robles, Mexican Secretariat of Energy  
(Discussant: Hector Nuñez, Banxico and CIDE)

## 67. Special session – Smart specialization for sustainability [NARSC Special Session] Saturday | 8:00 am-10:00 am | Galvez

**Session Organizers:** Rafael Faria de Abreu Campos, Federal University of Viçosa and Igor Santos Tupy, Institute for Applied Economic Research – Ipea

**Chair:** Luiz Carlos de Santana Ribeiro, Federal University of Sergipe

- *Economic Growth and Regional Disparities: A Long-Term Perspective for the State of Sergipe, Brazil*  
Luiz Carlos de Santana Ribeiro, Federal University of Sergipe; Olga Hianni Portugal Vieira, Federal University of Minas Gerais; Kênia Barreiro de Souza, Federal University of Paraná; José Ricardo de Santana, Federal University of Sergipe  
(Discussant: Victor José Silva, Radboud University)
- *Biomass Production and Aviation Biofuels: Regional Perspectives in Brazil*  
José Ricardo de Santana, Federal University of Sergipe; Lindomayara França Ferreira, Federal University of Juiz de Fora  
(Discussant: Nicola Cortinovis, Utrecht University)
- *Crowdfunding industrial diversification*,  
Nicola Cortinovis, Utrecht University  
(Discussant: Luiz Carlos de Santana Ribeiro, Federal University of Sergipe)

68. Urban Quality, Public Services, and Socio-economic Factors  
Saturday | 8:00 am-10:00 am | Beauregard

**Chair:** André Torre, INRA – AgroParisTech

- *Trends in Geographic Earnings Inequality by Race after Incorporating Housing Costs, 2005-2019*,  
Andrew Nutting, Bryn Mawr College  
(Discussant: Dimitris Ballas, Groningen University)
- *Socio-spatial justice and the European Green Deal: using spatial microsimulation, agent-based modelling and geographical information systems for the analysis of 'green citizen behaviors' and social attitudes*,  
Dimitris Ballas, Groningen University  
(Discussant: André Torre, INRA – AgroParisTech)
- *Assessing Urban Quality of Life in Romanian Cities: A Comprehensive Analysis Using Subjective and Objective Measures*,  
Sebastien Bourdin, EM Normandie Business School, André Torre, INRA – AgroParisTech  
(Discussant: Angela Stefania Bergantino)
- *The effect of construction sites on the occurrence of motor vehicle accidents in cities: The case of New York City*,  
Daniel Centuriao, West Virginia University, Brad Humphreys, West Virginia University; and Heather Stephens, West Virginia University  
(Discussant: Andrew Nutting, Bryn Mawr College)

69. Urban Spatial Patterns: Evolution, Causes, and Consequences  
Saturday | 8:00 am-10:00 am | Audubon

**Chair:** Janet Kohlhase, University of Houston

- *Urban spatial structure and entrepreneurship*,  
Haifeng Qian, University of Iowa  
(Discussant: Tomaz Dentinho, University of the Azores)
- *Substantive Analysis of the Urban Structure of Lisbon Metropolitan Area*,  
Tomaz Dentinho, University of the Azores  
(Discussant: Miquel-Angel Garcia-Lopez, Universitat Autònoma de Barcelona)
- *Causes and consequences of urban form*,  
Miquel-Angel Garcia-Lopez, Universitat Autònoma de Barcelona  
(Discussant: Saman Herath Bandara, West Virginia State University)
- *Harnessing Tourism for Economic Prosperity in West Virginia*,  
Saman Herath Bandara, West Virginia State University  
(Discussant: Haifeng Qian, University of Iowa)



70. Applications of Spatial Analysis  
Saturday | 8:00 am-10:00 am | Galerie 4

**Chair:** Ugo Fratesi, Politecnico di Milano

- *Exploring the Impact of the Twin Transition on Erasmus Student Mobility: A Gravity Model Approach*,  
Vicente Royuela, Universitat de Barcelona  
(Discussant: Anton Babkin, University of Wisconsin - Madison)
- *The Spatial Structure of Economic Exchange and Rural Prosperity in the United States*,  
Anton Babkin, University of Wisconsin - Madison; Richard A. Dunn, USDA-ERS; Austin Sandler,  
University of Connecticut; Katherine J. Curtis, University of Wisconsin - Madison; Sara Peters,  
University of Wisconsin - Madison; Clayton Adamson, University of Wisconsin - Madison  
(Discussant: Ugo Fratesi, Politecnico di Milano)
- *Next-Gen Measures for Spatial Externalities. Testing the impact of MAR and Jacobs' externalities  
measured at small disaggregated territorial level*,  
Federico Fantechi, Università di Palermo, Ugo Fratesi, Politecnico di Milano.  
(Discussant: Indraneel Kumar, Purdue University)
- *Clustering Occupations by Skills or Skills by Occupations: Some Methodological Explorations and  
Insights*  
Indraneel Kumar, Purdue University  
(Discussant: Vicente Royuela, Universitat de Barcelona)

71. Transportation Infrastructure, Policy, and Economic Impacts  
Saturday | 8:00 am-10:00 am | Galerie 5

**Chair:** Kentaro Mori, University of Texas at Austin

- *Hansen's Accessibility Theory and Machine Learning: A Useful Merger or Just More of the Same?*,  
John Östh, Oslomet University  
(Discussant: Kentaro Mori, University of Texas at Austin)
- *Comparing Congestion Pricing Strategies with Evidence from a Large-Scale Simulation Framework*,  
Kentaro Mori, University of Texas at Austin; Krishna Murthy Gurumurthy, Argonne National  
Laboratory; Felipe de Souza, Argonne National Laboratory; Kara Kockelman, University of Texas at  
Austin  
(Discussant: Muhammet Sever, George Mason University)
- *Operations and Maintenance (O&M): A Comparative Analysis of the Cost-Efficiency of Public Private  
Partnerships (P3s) and Conventional Project Delivery Models*,  
Muhammet Sever, George Mason University; Jonathan Gifford, George Mason University; Carter  
Casady, University of Stanford  
(Discussant: Amit Batabyal, Rochester Institute of Technology)
- *Inter-City Competition for Heterogeneous Creative Class Members Using Tax Policy*,  
Amit Batabyal, Rochester Institute of Technology  
(Discussant: Paul Jung, Inha University)

72. Location and Spatial Analysis IV [NARSC Special Session]  
Saturday | 8:00 am-10:00 am | Galerie 6

**Session organizers:** Alan Murray (University of California at Santa Barbara) and Ran Wei (University of California at Riverside)

**Chair:** Serge Rey (San Diego State University)

- *Urban Safety and the Role of Hydrant Structure and Configuration*,  
Vanessa Echeverri Figueroa, Santa Barbara State University; Alan Murray, Santa Barbara State University  
(Discussant: Xin Feng, University of Oklahoma)
- *Location choices and overdose fatalities: a behavioral look at location sorting in the opioid epidemic*,  
Elijah Knaap, San Diego State University; Sergio Rey, San Diego State University  
(Discussant: Geoff Hewings, University of Illinois at Urbana-Champaign)
- *Spatial and Socioeconomic Factors of Distributed Photovoltaic Generation in Minas Gerais*,  
Guilherme Salgueiro, Federal University of Minas Gerais; Fernando Perobelli, Federal University of Juiz de Fora; Edson Domingues, Federal University of Minas Gerais; Victor Valerio, Federal University of Itajubá  
(Discussant: Sergio Rey, San Diego State University)
- *A Spatially Informed Solving Approach for the Obnoxious Location Problem*  
Changwha Oh, University of Tennessee  
(Discussant: Ran Wei, University of California at Riverside)

73. Regional/Rural Development Sessions VII: Cities, Regions and Policy Analysis [NARSC Special Session]  
Saturday | 8:00 am-10:00 am | Galerie 1

**Session Organizers:** Tim Komarek, Colorado State University; Sarah Low, University of Illinois at Urbana-Champaign; Stephan Weiler, Colorado State University

**Chair:** Kelsey Thomas, USDA ERS

- *The Local Economic Impacts of Shorter School Weeks: Evidence from Colorado*,  
Kristopher Deming, United States Air Force Academy  
(Discussant: Gregory Miller, Colorado State University)
- *Re-evaluating the Construction of Import Exposure in Autor, Dorn, and Hansen (2013)*,  
Gregory Miller, Colorado State University  
(Discussant: Kelsey Thomas, USDA ERS)
- *Place & Prejudice: Urbanity, Self-selection, and Discrimination*,  
Sal McCollum, Colorado State University  
(Discussant: Kristopher Deming, United States Air Force Academy)
- *The Rural Childcare Landscape: Availability and Access*,  
Kelsey Thomas, USDA ERS  
(Discussant: Sal McCollum, Colorado State University)

**Coffee Break**  
**10:00 am-10:30 am | Galerie Foyer**

**74. Urban Development and Spatial Inequality**  
Saturday | 10:30 am-12:30 pm | Jackson

**Chair:** Vicente Royuela, Universitat de Barcelona

- *A Geocode Solution to the OMB Need for “a territorially exhaustive classification:” State Determined Sub-State Districts which also resolve the Connecticut and Virginia Issues,*  
Thomas Christoffel, Regional Intelligence-Regional Communities, LLC  
(Discussant: Vicente Royuela, Universitat de Barcelona)
- *Subjective well-being inequalities in European cities,*  
Vicente Royuela, Universitat de Barcelona  
(Discussant: Dusan Paredes, Universidad Católica del Norte)
- *Is spatial overconcentration a contributing factor to Chile’s productivity stagnation?,*  
Dusan Paredes, Universidad Católica del Norte; Timoteo Herrera, Universidad Católica del Norte;  
Jorge Littin, Universidad Católica del Norte.  
(Discussant: Carlos Azzoni, University of Sao Paulo)
- *Spatial Spillovers and Productive Efficiency: A Spatial Stochastic Frontier Model for Panel Data*  
Andre Silva, Federal University of Para; Andre Chagas, university of Sao Paulo; Carlos Azzoni,  
University of Sao Paulo (USP)  
(Discussant: Thomas Christoffel, Regional Intelligence-Regional Communities)

**75. Regional/Rural Development Sessions VIII: Natural Resource Booms [NARSC Special Session]**  
Saturday | 10:30 am-12:30 pm | Galvez

**Session Organizers:** Tim Komarek, Colorado State University; Sarah Low, University of Illinois at Urbana-Champaign; Stephan Weiler, Colorado State University

**Chair:** John Winters, Iowa State University

- *Do Prior Residents Benefit from Energy Booms?*  
Luyi Han, Pennsylvania State University  
(Discussant: Tess Haddock, Oklahoma State University)
- *Weathering the Storm in Rural America: Economic Resilience in the Face of Climate Extremes,*  
Tess Haddock, Oklahoma State University  
(Discussant: Luyi Han, Pennsylvania State University)
- *Resource boom, export composition, concentration, and sophistication: evidence from Brazilian local economies,*  
Vinicius Curti Cícero, Colorado State University  
(Discussant: John Winters, Iowa State University)
- *Population Impacts of the Fracking Boom and Bust,*  
John Winters, Iowa State University  
(Discussant: Vinicius Curti Cícero, Colorado State University)

76. Tourism & Leisure Choices in Regional Science [TRSA Special Academic Session (SAS)]  
Saturday | 10:30 am-12:30 pm | Beauregard

**Session Organizers:** Jaewon Lim, University of Nevada Las Vegas, Karima Kourtit, Open University of the Netherlands

**Chair:** Jaewon Lim, University of Nevada Las Vegas

- *Can Tourism Be the Next Driver of Local Development? Evaluating the Impact of Mega-Event Strategies in the U.S. Convention Destinations,*  
Daeyoung Kwon, University of Nevada, Las Vegas; Jaewon Lim, University of Nevada, Las Vegas  
(Discussant: Karima Kourtit, Open University)
- *Tourism Resilience Face-Off: Maximizing Opportunities in Case of External Shocks Using Flying Disc Concept,*  
Jaewon Lim, University of Nevada, Las Vegas; Karima Kourtit, Open University, Heerlen; Peter Nijkamp, Al Cuza University  
(Discussant: Peter Nijkamp, Al Cuza University)
- *Rural feet voting of leisure explorers,*  
Peter Nijkamp, Al Cuza University; Karima Kourtit, Open University, Heerlen; Marina Toger, Upsalla university; Umut Türk, Abdullah Gül University; John Östh, Oslomet University  
(Discussant: Jaewon Lim, University of Nevada)
- *Great minds in Regional Science lecture,*  
Christa Court, University of Florida.

77. Political Institution & Public Policy  
Saturday | 10:30 am-12:30 pm | Audubon

**Chair:** Amit Batabyal, Rochester Institute of Technology

- *Political Competition, Fiscal Policy, and Economic Outcomes in a Creative Region,*  
Amit Batabyal, Rochester Institute of Technology; Karima Kourtit, Open University, Heerlen; Peter Nijkamp, Al Cuza University  
(Discussant: Daniela Constantin, Bucharest University of Economic Studies)
- *Poverty pockets in the EU's capital regions,*  
Daniela Constantin, Bucharest University of Economic Studies  
(Discussant: Guido Sechi, University of Latvia)
- *Space fragmentation as neoliberal urbanism legacy in the new Eurasia: insights and research implications for global urban studies,*  
Guido Sechi, University of Latvia, Oleg Golubchikov, Cardiff University  
(Discussant: Amit Batabyal, Rochester Institute of Technology)

78. Migration, Wealth, and Educational Dynamics  
Saturday | 10:30 am-12:30 pm | Galerie 4

**Chair:** Melody Muldrow, University of Missouri

- *Deconstructing the Racial Wealth Disparities in the Black Belt*,  
Melody Muldrow, University of Missouri  
(Discussant: Juan Sayago Gomez, University of Iowa)
- 
- *Effects of the Pandemic on Educational Performance: Minorities and Segregated Group Perspectives*,  
Juan Sayago Gomez, University of Iowa  
(Discussant: Rodrigo Perez-Silva, Pontificia Universidad Católica de Chile)
- *Droughts and regional income concentration. The case of Chile*,  
Rodrigo Perez-Silva, Pontificia Universidad Católica de Chile; Mayarí Castillo, Universidad Mayor  
(Discussant: Melody Muldrow, University of Missouri)

79. Rural Development and freight transportation  
Saturday | 10:30 am-12:30 pm | Galerie 5

**Chair:** Rosella Nicolini, Universitat Autònoma de Barcelona

- *Population ageing: urban vs rural*, Rosella Nicolini, Universitat Autònoma de Barcelona;  
José Luis Roig Sabaté, Universitat Autònoma de Barcelona  
(Discussant: Amanda Weinstein, Center on Rural Innovation)
- *Beyond Connectivity: The Role of Broadband in Rural Economic Growth and Resilience*,  
Amanda Weinstein, Center on Rural Innovation; May Erouart, Center on Rural Innovation  
(Discussant: Paul Jung, Inha University)
- *Uncertainty in Border-Crossing Freight Transportation: Evidence from Southern African Export Shipments*,  
Paul Jung, Inha University; Jean-Claude Thill, University of North Carolina at Charlotte; Martin Humphreys, The World Bank; Behnam Nikaprar, University of North Carolina at Charlotte  
(Discussant: Rosella Nicolini, Universitat Autònoma de Barcelona)

80. Economics of Electric Vehicles  
Saturday | 10:30 am-12:30 pm | Galerie 6

**Chair:** Thomas Klier, Federal Reserve Bank of Chicago

- *Evaluating the impact of eco-friendly vehicles and renewable energy on the regional economy and environment: An Input-Output Application*,  
Hiroiyuki Shibusawa, Toyohashi University of Technology; Daiki Togashi, Toyohashi University of Technology; Mingj CUI, Toyohashi University of Technology  
(Discussant: Sasidhar Parasa, Texas Southern University)
- *Assessing the Environmental Impact of Electric Vehicles Using a Scenario-Based Analysis in the Texas-Triangle Region*,  
Sasidhar Parasa, Texas Southern University; Bumseok Chun, Texas Southern University; Pan Qisheng, University of Texas Arlington

(Discussant: Thomas Klier, Federal Reserve Bank of Chicago)

- *The emerging geography of electric vehicle production in North America: Revolution or evolution?*  
Thomas Klier, Federal Reserve Bank of Chicago  
(Discussant: Kara Kockelman, University of Texas at Austin)
- *Siting and Sizing of Public-Private Charging Stations and Anticipating Operational Impacts*,  
Lin Su, University of Texas at Austin, Kara Kockelman, University of Texas at Austin  
(Discussant: Hiroyuki Shibusawa, Toyohashi University of Technology)

**Saturday | 12:30 pm-1:45 pm**

**Lunch on your own**

**NARSC X YSI Informal Young Scholars' Networking Lunch (Invitation only)**

81. Regional/Rural Development Sessions IX: International Perspectives in Regional Development [NARSC Special Session]

Saturday | 1:45 pm-3:45 pm | Jackson

**Session Organizers:** Tim Komarek, Colorado State University; Sarah Low, University of Illinois at Urbana-Champaign; Stephan Weiler, Colorado State University

**Chair:** John Pender, USDA ERS

- *The role of proximities in local multiplex networks: A case study of the seed breeding industry in an agricultural cluster in China*,  
Qiang Cao, INRA – AgroParisTech and André Torre, INRAE – AgroParisTech  
(Discussant: John Pender, USDA ERS)
- *Donkey Business: Trade, Resource Exploitation, and Crime*,  
Vinicius Cícero, Colorado State University  
(Discussant: André Torre, INRAE – AgroParisTech)
- *Labor informality in the main metropolitan areas of Colombia*  
Luis Galvis, Banco De La República de Colombia  
(Discussant: Vinicius Cícero, Colorado State University)

82. Twenty Years and Counting – Recovery and Resilience Following the 2005 Hurricane Season

Saturday | 1:45 pm-3:45 pm | Galvez

**Chair:** Matt Fannin, Louisiana State University

- *Measuring Regional Economic Resilience to Disasters Applying Physics: Empirical Study of Hurricane Katrina*,  
Seong Yun, Mississippi State University; Ayoung Kim, Mississippi State University  
(Discussant: Matt Fannin, Louisiana State University)
- *Local Government Resilience Following Hurricanes Katrina and Rita*,

Matt Fannin, Louisiana State University  
(Discussant: John Green, Mississippi State University)

- *Population Change in the Post-Katrina and Rita Era: Net-Migration Signatures and Age Composition in the Gulf Coast Region Across the Rural-Urban Continuum*,  
John Green, Mississippi State University  
(Discussant: Andrew Crawley, University of Maine)

83. Economic Impacts of Natural Resources  
Saturday | 1:45 pm-3:45 pm | Beauregard

**Chair:** Shalini Matharage, Northeastern University;

- *Assessing the Economic and Workforce impacts of CO2 Utilization (CO2U) Technologies in the U.S.*  
Alberto Franco Solís, National Renewable Energy Laboratory; Andre F.T. Avelino, National Renewable Energy Laboratory; Mengming Li, National Renewable Energy Laboratory; Yimin Zhang, National Renewable Energy Laboratory; Greg Avery, National Renewable Energy Laboratory  
(Discussant: Felipe Santos, University of Sao Paulo)
- *Multidimensional Analysis of the Sea Economy: A Case Study for the Autonomous Region of Madeira, Portugal*,  
Felipe Santos, University of Sao Paulo; Eduardo A. Haddad, University of São Paulo; Ademir Rocha, University of Sao Paulo; Samuel Bicego, University of Sao Paulo  
(Discussant: Shalini Matharage, Northeastern University)
- *Empowering Communities: A Bottom-Up Approach to Disaster Risk Reduction*  
Shalini Matharage, Northeastern University; Daniel Aldrich, Northeastern University; Mikio Ishiwatarari, Disaster Management and Water Resources Management, Japan International Cooperation Agency  
(Discussant: Alberto Franco Solís, National Renewable Energy Laboratory)

84. Entrepreneurial Ecosystem and Firm Behavior  
Saturday | 1:45 pm-3:45 pm | Audubon

**Chair:** Xiangwei Sun, University of Illinois Urbana-Champaign

- *Financial Risk and Minority Business Survival During the Pandemic*,  
Nadeeka Weerasekara, University of Idaho; Paul Lewin, University of Idaho  
(Discussant: Xiangwei Sun, University of Illinois Urbana-Champaign)
- *City Institution and Firm Productivity: The Impact of the Administrative Ranks of Chinese Cities*,  
Chengri Ding, University of Maryland; Xiangwei Sun, University of Illinois Urbana-Champaign  
(Discussant: Marie-Pier Champagne, North Carolina State University)
- *Lead the way: The role of tourist pedestrian route on firms' behavior*,  
Marie-Pier Champagne, North Carolina State University; Jean Dube, Universite Laval  
(Discussant: Andrew Crawley, University of Maine)
- *How Are Job Postings Connected to Future Employment? Evidence from a State Level Analysis of the US*,



Andrew Crawley, University of Maine  
(Discussant: Nadeeka Weerasekara, University of Idaho)

85. Health and Fertility Risks: Decision Making and Impacts  
Saturday | 1:45 pm-3:45 pm | Galerie 4

**Chair:** Tohru Naito, Doshisha University

- *Does childlessness mean economic deterrence? Population declining and population concentration,*  
Hiroyuki Hashimoto, University of Hyogo; Tohru Naito, Doshisha University  
(Discussant: Elham Erfanian, Black Hills State University)
- *Did the self-restraint at home policy drive away the storks? Evidence from COVID-19 pandemic in Japan,*  
Tohru Naito, Doshisha University  
(Discussant: Hiroyuki Hashimoto, University of Hyogo)
- *Does Tap Water Quality Frame Inequality of Health Risk? An Empirical Analysis on the U.S. Minority Group's Higher Consumption of Sugar-Sweetened Beverages,*  
Gi-Eu Lee, National Cheng Kung University, Taiwan; Elham Erfanian, Black Hills State University  
(Discussant: Tohru Naito, Doshisha University)

86. Post-disaster and Policy Impacts on Regional Economies  
Saturday | 1:45 pm-3:45 pm | Galerie 5

**Chair:** Chun Fang Liu, Ming Chuan University

- *The Spatial Resilience of Rural Towns in Post-Disaster Recovery and the Rise of Emerging Industries: A Case Study of Rural Area of Urban-Regions in Sichuan, Mainland China,*  
Chi-Tung Hung, Ming Chuan University; Yu-Shan Huang, Ming Chuan University; Wen-Yen Lin, Ming Chuan University  
(Discussant: Hongnan Sun, Dalhousie University)
- *Emergence of Smart Resilient Tourist Towns in the Context of Post-Earthquake and Epidemic Catalysis: A Case Study of Beichuan County, China,*  
Chun Fang Liu, Ming Chuan University; Chi-Tung Hung, Ming Chuan University  
(Discussant: Jingwen Zheng, George Washington University)
- *Skies Unleashed? How Removing Building Height Limits in Hong Kong Impacts*  
Jingwen Zheng, George Washington University  
(Discussant: Chi-Tung Hung, Ming Chuan University)

87. Economic Opportunities  
Saturday | 1:45 pm-3:45 pm | Galerie 6

**Chair:** Luyi Han, Pennsylvania State University

- *Innovation and Financial Access Across the Rural-Urban Divide: Evidence from Confidential U.S. Business Data,*  
Luyi Han, Pennsylvania State University  
(Discussant: Kathrine Richardson, San Jose State University)

- *The Lure of the Northern Star: Vancouver, Canada as an Emerging Global City Destination for Global High Tech Firms and Foreign Talent*,  
Kathrine Richardson, San Jose State University  
(Discussant: Cindy Quiroz, George Mason University)
- *The Fate and Impact of Challenged Public-Private Partnership Projects: An Assessment of U.S. Experience*,  
Cindy Quiroz, George Mason University  
(Discussant: Luyi Han, Pennsylvania State University)

88. Historical Pathways of Regional Economies  
Saturday | 1:45 pm-3:45 pm | Galerie 1

**Chair:** Jaime Bonet, Banco de la República

- *Old But Gold: Historical Pathways and Path Dependence*,  
Diogo Baerlocher, University of South Florida; Diego Firmino Costa da Silva, Universidade Federal Rural de Pernambuco; Guilherme Lambais, ULisboa; Eustáquio Reis, IPEA; Henrique Veras, Universidade Federal de Pernambuco  
(Discussant: Rafael González-Val, Universidad de Zaragoza)
- *Economic Growth in the 'Republican regions' during the Franco Dictatorship in Spain*,  
Rafael González-Val, Universidad de Zaragoza; Javier Silvestre, Universidad de Zaragoza  
(Discussant: Jaime Bonet, Banco de la República)
- *The history of urban neighborhoods in Colombia: The Case of La Matuna in Cartagena de Indias, 1890 – 2022*,  
Jaime Bonet, Banco de la República; Andrés Parra-Solano, Universidad Externado de Colombia  
(Discussant: Aurelie Lalanne, university of Bordeaux)
- *Long-term organization of urban growth in France (1800-2015)*,  
Aurelie Lalanne, University of Bordeaux  
(Discussant: Diego Firmino Costa da Silva, Universidade Federal Rural de Pernambuco)

**Coffee Break**  
**3:45 pm-4:00 pm | TBD**

89. Transportation Networks and Accessibility  
Saturday | 4:00 pm-6:00 pm | Jackson

**Chair:** Roberto Patuelli, University of Bologna

- *Network Robustness to Locate Mobility Hubs: A Multicriteria Approach*,  
Roberto Patuelli, University of Bologna  
(Discussant: Kentaro Mori, University of Texas at Austin)
- *Day-of-Week, Month, and Seasonal Demand Variations: Comparing Flow Estimates Across New Travel Data Sources*,  
Kentaro Mori, University of Texas at Austin; Kara Kockelman, University of Texas at Austin

(Discussant: Roberto Patuelli, University of Bologna)

90. Geography of Education: Outcomes & Impacts  
Saturday | 4:00 pm-6:00 pm | Galvez

**Chair:** Adam Ploszaj, University of Warsaw

- *Regional differences in the relationship between education and happiness: Evidence from the North Central and Northeast Regions,*  
Zuzana Bednarik, North Central Regional Center for Rural Development  
(Discussant: Xiangwei Sun, University of Illinois Urbana-Champaign)
- *Spatial Heterogeneity in the returns of Universities R&D on Productivity Convergence: the case of China,*  
Xiangwei Sun, University of Illinois Urbana-Champaign; Sandy Dall'erba, University of Illinois - Urbana-Champaign  
(Discussant: Adam Ploszaj, University of Warsaw)
- *The impact of the Russian invasion of Ukraine on higher education and research institutions in the European borderland,*  
Adam Ploszaj, University of Warsaw  
(Discussant: Anthony Frigon, HEC Montreal)
- *Going Separate Ways: Spatial Sorting by Education, Work, and Real Income in the USA since 1970,*  
Anthony Frigon, HEC Montreal; Michael Storper, University of California, Los Angeles  
(Discussant: Zuzana Bednarik, North Central Regional Center for Rural Development)

90. Climate Change and Environmental Impact  
Saturday | 4:00 pm-6:00 pm | Beauregard

**Chair:** Jason Hawkins, University of Nebraska Lincoln

- *Changes in Flood Risk to Critical Infrastructure in the Context of Climate Change - A Case Study of Kinmen,*  
Shou-Chi Chen, Ming Chuan University  
(Discussant: Jason Hawkins, University of Nebraska Lincoln)
- *A Multi-Level Analysis of CO2 Emissions and Land Use,*  
Jason Hawkins, University of Nebraska Lincoln  
(Discussant: Wen-Yen Lin, Ming Chuan University)
- *Mass Evacuation for Communities at Risk for Wildfires: A Case Study of Upper Tantallon, Canada,*  
Hongnan Sun, Dalhousie University  
(Discussant: Shou-Chi Chen, Ming Chuan University)
- *Land Use Hazards Vulnerability, Resilience Assessment, and Spatial Risk Governance under Climate Change,*  
Wen-Yen Lin, Ming Chuan University  
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## PARTICIPANT EMAIL LIST

Participant	Email
Adam Ploszaj	a.ploszaj@uw.edu.pl
Adam Rose	adam.rose@usc.edu
Ademir Rocha	aamr.eco@gmail.com
Adriana Pinate	adriana.pinate@gssi.it
Adriana Valentina Farias	afarias4@gmu.edu
Ahyoung Chang	ahyoung@utexas.edu
Alan Murray	amurray@ucsb.edu
Alberto Franco Solís	albert-franco@hotmail.com
Alexis Litvine	adl38@cam.ac.uk
Alina Schoenberg	alina.schoenberg@imc.ac.at
Aline Magalhaes	alinesmagalhaes@hotmail.com
Allyson Emblom-Hooe	abemblom@ncsu.edu
Alvertos Konstantinis	a.konstantinis@rug.nl
Amanda Ross	aross25@ua.edu
Amanda Weinstein	amanda.weinstein@ruralinnovation.us
Amir B. Ferreira Neto	aborgesferreiraneto@fgcu.edu
Amit Batabyal	aabgsh@rit.edu
Ana Viñuela	avinuela@uniovi.es
Andre Chagas	achagas@usp.br
Andre F.T. Avelino	Andre.FernandesTomonAvelino@nrel.gov
Andre Silva	alufpa@gmail.com
Andrea Caragliu	andrea.caragliu@polimi.it
Andres Sanchez-Sadarriaga	afsanchezs@eafit.edu.co
Andrew Crawley	andrew.crawley@maine.edu
Andrew Nutting	anutting@brynmaur.edu
Andrew Ropicki	aropicki@ufl.edu
Andrew Tucci	andrew.e.tucci42@gmail.com
Andrew Van Leuven	vanleuven.andrew@gmail.com
André Torre	andre.torre@wanadoo.fr
Andrés Parra-Solano	andresfarrasolano@gmail.com
Angela Stefania Bergantino	angelastefania.bergantino@uniba.it
Anil Rupasingha	anil.rupasingha@usda.gov
Anna Mata	anna.mata@banxico.org.mx
Anthony Frigon	anthony.frigon@hec.ca
Anton Babkin	babkin@wisc.edu
Antonello Clemente	antonello.clemente@uniba.it
Ashleigh Price	anprice5@crimson.ua.edu
Aurelie Lalanne	aurelie.lalanne@u-bordeaux.fr
Austin Sandler	austin.sandler@uconn.edu

Ayoung Kim	a.kim@msstate.edu
Behnam Nikaprar	bnikparvar@gmail.com
Benjamin Rosner	benjaminr@vt.edu
Biswa Das	bdas@iastate.edu
Bowei Dong	boweidon@ou.edu
Brad Humphreys	brad.humphreys@mail.wvu.edu
Brian Riel	<b>brian.riel@remi.com</b>
Brian Whitacre	brian.whitacre@okstate.edu
Bruce Newbold	newbold@mcmaster.ca
Bumseok Chun	Bum.Chun@tsu.edu
Camilla Lenzi	camilla.lenzi@polimi.it
Camilo Acosta	cacosta@eafit.edu.co
Carlianne Patrick	cpatrick@gsu.edu
Carlos Azzoni	cazoni@usp.br
Caroline Welter	caw00024@mix.wvu.edu
Carsten Ochs	carsten.ochsen@hdba.de
Carter Casady	c.casady@ucl.ac.uk
Mayari Castillo	mayari.castillo@gmail.com
Changwha Oh	coh4@vols.utk.edu
Chen Xie	cxie25@uic.edu
ChenLun Kao	kchenlun@gmail.com
Chengri Ding	cding@umd.edu
Chi-Tung Hung	ct@mail.mcu.edu.tw
Chiara F. Del Bo	chiara.delbo@unimi.it
Chris Fowler	csfowler@psu.edu
Christa Court	ccourt@ufl.edu
Christopher Blake	christopher.blake@emory.edu
Christopher Fowler	csfowler@psu.edu
Chun Fang Liu	ewa886@gmail.com
Cindy Quiroz	cquiroz2@gmu.edu
Claudia Montaña	cv.montania@gmail.com
Claudio Detotto	detotto_c@univ-corse.fr
Clayton Adamson	cadamson@wisc.edu
Clio Andris	clio@gatech.edu
Corinne Idda	claudio.detotto@gmail.com
Courtney Bower	cvb32@cornell.edu
Craig Carpenter	cwcarp@msu.edu
Craig Wesley Carpenter	<u>cwcarp@msu.edu</u>
Cristina Miller	<u>cristina.miller2@usda.gov</u>
Cynthia Rogers	crogers@ou.edu
Cédric Brunelle	cedric.brunelle@inrs.ca
Cédrik McKenzie	cedrik.mckenzie.1@ulaval.ca
Daeyoung Kwon	daeyoung.kwon@unlv.edu

Daiki Togashi	togashi.daiki.tb@tut.jp
Daniel Aldrich	daniel.aldrich@gmail.com
Daniel Centuriao	dc00041@mix.wvu.edu
Daniela Constantin	danielaconstantin_2005@yahoo.com
Daoqin Tong	<u>Daoqin.Tong@asu.edu</u>
David A McGranahan	david.mcgranahan@usda.gov
David Green	david.green@law.nagoya-u.ac.jp
David Kay	dlk2@cornell.edu
David Nason	dhn0003@mix.wvu.edu
Davis Chacón Hurtado	dchaconh@alumni.purdue.edu
Dawn Thilmany	dawn.thilmany@colostate.edu
Devon Mills	dm3167@msstate.edu
Diana Ricciulli	d.ricciulli@gmail.com
Diego Andres Cardenas Morales	diego-andres.cardenas-morales.1@ulaval.ca
Diego Firmino Costa da Silva	diego.firmino@ufrpe.br
Diego Miyajima	diegomiyajima@gmail.com
Dimitris Ballas	d.ballas@rug.nl
Diogo Baerlocher	baerlocher@usf.edu
Dominique Prunetti	cdetotto@uniss.it
Donghyun Kim	donghyun-kim@pusan.ac.kr
Dusan Paredes	dparedes@ucn.cl
Dylan Skrah	dskrah5938@sdsu.edu
Ed Camp	edvcamp@ufl.edu
Edson Domingues	epdomin@cedeplar.ufmg.br
Eduardo A. Haddad	ehaddad@usp.br
Eduardo Robles	dantejerico@gmail.com
Edward Hoang	ehoang@uccs.edu
Elham Erfanian	el.erfanian@gmail.com
Eli Knaap	ek@knaaptime.com
Elijah Knaap	ek@knaaptime.com
Elinor hunt	elinor.hunt@maine.edu
Elisa Panzera	elisa.panzera@polimi.it
Elizabeth Dobis	eadobis@gmail.com
Elizabeth Redmond	ehr35@cornell.edu
Ellen Whitehead	emwhitehead2@bsu.edu
Emily Wornell	ejwornell@bsu.edu
Ephraim Nkonya	ephraim.nkonya@usda.gov
Eric Heikkila	heikkila@usc.edu
Eric Miller	eric.miller@utoronto.ca
Euijun Kim	ekim22@lsu.edu
Eustáquio Reis	e.reis@ipea.gov.br
Evan Cunningham	cunni640@umn.edu
Federico Fantechi	federico.fantechi@unipa.it

Felipe Santos	felipe.gsantos@usp.br
Felipe de Souza	fdesouza@anl.gov
Fernanda Alfaro	alfarog3@msu.edu
Fernando Perobelli	fernandosalgueiro.perobelli@gmail.com
Florian Bartholomae	Florian.Bartholomae@munich-business-school.de
Fred Roberts	froberts@dimacs.rutgers.edu
Fred Treyz	fred@remi.com
Fumitoshi Mizutani	toshi@kobe-u.ac.jp
Gary Wynne	gary.wynne@okstate.edu
Geoff Hewings	hewings@illinois.edu
Geoffrey Hewings	hewings@illinois.edu
Geoffrey J.D. Hewing	hewings@illinois.edu
George Owusu-Antwi	gowusu-antwi@centralstate.edu
Madhu Khanna	khanna1@illinois.edu
Gi-Eu Lee	d12786@gmail.com
Gianluca Monturano	gianluca.monturano@unimore.it
Gillian Galford	gillian.galford@uvm.edu
Giuseppe Arbia	giuseppe.arbia@unicatt.it
Gloria Cicerone	gc@noemail.edu
Greg Avery	Greg.Avery@nrel.gov
Gregory Miller	gregory.miller@colostate.edu
Guido Sechi	guidosechi78@gmail.com
Guilherme Lambais	guilherme.lambais@ics.ulisboa.pt
Guilherme Salgueiro	guilhermepereobelli@outlook.com
Haifeng Qian	haifeng-qian@uiowa.edu
Hanchen Yu	hanchenyu@pku.edu.cn
Hannah Kamen	hkamen@mines.edu
Hannah Kamen	hkamen@mines.edu
Harim Jeong	jhrhlss@snu.ac.kr
Heather Stephens	heather.stephens@mail.wvu.edu
Hector Nuñez	hector.nunez@cide.edu
Heejin Kim	kimhee21@msu.edu
Henrique Veras	henrique.fonseca@ufpe.br
Hiroyuki Hashimoto	hiro@mba.u-hyogo.ac.jp
Hiroyuki Shibusawa	hiro-shibu@tut.jp
Hongnan Sun	sunhnmail@gmail.com
Huanjia Ma	h.ma.3@bham.ac.uk
Hyeon Ahn	ahn123@snu.ac.kr
Hyeon Ahn	ahn123@snu.ac.kr
Hyun Kim	hkim9129@gmail.com
Hyungsun Yim	hyim2@illinois.edu
Igor Santos Tupy	igor.tupy@ufv.br
In Kwon Park	parkik@snu.ac.kr

Indraneel Kumar	ikumar@purdue.edu
Ingmar Prucha	prucha@econ.umd.edu
Inácio Araújo	inacio.araujo@usp.br
Irving Mc Liberty	irving.mcliberty@banxico.org.mx
Jacob Moore	jacob.moore@berkeley.edu
Jaewon Lim	jaewon.lim@unlv.edu
Jaewon Park	happy417780@gmail.com
Jaime Bonet	jbonetmo@banrep.gov.co
Jairus Rossi	jro225@uky.edu
James Davis	james.davis2@usda.gov
James LeSage	jlesage4115@gmail.com
Jan Ditzen	Jan.Ditzen@unibz.it
Janet Kohlhase	jkohlhase@uh.edu
Jason Brown	jason.brown@kc.frb.org
Jason Hawkins	jason.hawkins@unl.edu
Javier Pérez	gjavierperezv@gmail.com
Javier Silvestre	javisil@unizar.es
Jean Dube	jean.dube@esad.ulaval.ca
Jean-Claude Thill	Jean-Claude.Thill@charlotte.edu
Jessica Douthit	douthitj@berea.edu
Jian Zou	jianzou2@illinois.edu
Jiaxin Zhang	moonjiaxin.zhang@mail.utoronto.ca
Jieun Lee	jieun.lee@emory.edu
Jihan Park	jihan6834@pusan.ac.kr
Jiin Nam	poasana2021@uos.ac.kr
Jing Xu	jxu@ucsb.edu
Jingwen Zheng	jzheng@gwu.edu
Jiwon Baik	jiwonbaik@ucsb.edu
Jiwoo Jeong	jjw@uos.ac.kr
Johan Klaesson	johan.klaesson@ju.se
John Anders	janders@trinity.edu
John Cromartie	john.cromartie@usda.gov
John Green	john.green@msstate.edu
John Pender	john.pender@usda.gov
John Winters	winters1@iastate.edu
John Östh	johnosth@oslomet.no
Jonathan Gifford	jgifford@gmu.edu
Jordy Coutin	jcoutin@usc.edu
Jorge Littin	?
Jose Lobo	jose.lobo@asu.edu
Josemari Feliciano	jfeliciano@aya.yale.edu
Josh Hess	joshua.hess@moore.sc.edu
José Luis Roig Sabaté	josepluis.roig@uab.es

José Ricardo de Santana	santana_josericardo@yahoo.com.br
Juan Carlos G Lopez	juancarlos.lopez@du.edu
Juan Muñoz-Mora	jcmunozm1@eafit.edu.co
Juan Sayago Gomez	juantomas.sayago@gmail.com
Julia Carignan	Julia.Carignan@uqar.ca
Junfeng Jiao	jjiao@austin.utexas.edu
Justin Winikoff	Justin.Winikoff@usda.gov
Kakuya Matsushima	matsushima.kakuya.7u@kyoto-u.ac.jp
Kara Kockelman	kkockelm@mail.utexas.edu
Karima Kourtiti	k_kourtiti@hotmail.com
Katherine J. Curtis	kcurtis@ssc.wisc.edu
Kathrine Richardson	kathrine.richardson@sjsu.edu
Kelley Pace	kelley@pace.am
Kelsey Thomas	kelsey.thomas@usda.gov
Kendall Stephenson	kendall.stephenson@colostate.edu
Kentaro Mori	mori@utexas.edu
Kevin Curtin	kmcurtin@ua.edu
Kevin Kane	ktkane@usc.edu
Khumoyun Abdumavlonov	abdumavlon@pitt.edu
Kieran P. Donaghy	kpd23@cornell.edu
Kishore Gawande	kishore.gawande@mcombs.utexas.edu
Krishna Murthy Gurumurthy	kgurumurthy@anl.gov
Kristopher Deming	kristopher.deming@afacademy.af.edu
Kyle Reed	kyle.reed@usda.gov
Kyung-Min Nam	kmnam@hku.hk
Kyusang Kwon	kyusang.kwon@chungbuk.ac.kr
Kyusik Kim	kkim17@fsu.edu
Kênia Barreiro de Souza	keniadesouza@gmail.com
Kārlis Lakševics	karlis.laksevics@lu.lv
Latha Vijayagopal	latha.vijayagopal@rutgers.edu
Laura Ciucci	laura.ciucci@univ-artois.fr
Laura Gallina	laura.gallina@gssi.it
Laura Paul	laura.paul@usda.gov
Lauren McCarthy	lmccart5@gmu.edu
Lee Hachadoorian	Lee.Hachadoorian@gmail.com
Lei Zhang	<u>l2zhang@odu.edu</u>
Leigh Shaw-Taylor	lmws2@cam.ac.uk
Liam Verville	liam.verville.1@ulaval.ca
Lilin Yuan	1120160783@mail.nankai.edu.cn
Lin Su	sulin@utexas.edu
Lina Bjerke	lina.bjerke@ju.se
Lindomayara França Ferreira	lindomayara.franca@estudante.ufjf.b
Linlin Fan	lpf5158@psu.edu

Luc Anselin	anselin@uchicago.edu
Lucas Emanuel	lucasemanuel@ufba.br
Luis Galvis	lgalviap@banrep.gov.co
Luiz Carlos de Santana Ribeiro	ribeiro.luiz84@gmail.com
Luyi Han	lkh5474@psu.edu
Mackenzie Gill	Mackenzie.Gill@colostate.edu
Mahalia Clark	Mahalia.Clark@uvm.edu
Marcos Sanso-Navarro	marcossn@unizar.es
Marcus Bernard	marcus.bernard@ksu.edu
Marie-Pier Champagne	marie-pier.champagne.5@ulaval.ca
Marie-Sophie Gauthier	marie-sophie.gauthier@uqar.ca
Marina Manganaris	mmangana@gmu.edu
Marina Toger	marina.toger@kultgeog.uu.se
Mario Intini	mario.intini@uniba.it
Mark Horner	mhorner@fsu.edu
Mark Partridge	markd.partridge@gmail.com
Mark Skidmore	mskidmor@msu.edu
Martin Humphreys	rhumphreys@worldbank.org
Martina DalMolin	martina.dalmolin@gssi.it
Marty Matlock	mmatlock@uark.edu
María Vera-Cabello	mvera@unizar.es
Mateo Servent	mateoservent@gmail.com
Matt Fannin	mfannin@agcenter.lsu.edu
Matthew Lyons	m.lyons@bham.ac.uk
Matthew Roskrue	m.roskrue@massey.ac.nz
May Erouart	may.erouart@ruralinnovation.us
Mckenzie Boyce	mckenzie.boyce@wisc.edu
Melody Muldrow	melodymuldrow@yahoo.com
Mengming Li	Mengming.Li@nrel.gov
Michael Betz	betz.40@osu.edu
Michael Cameron	mcam@waikato.ac.nz
Michael Cary	macary@vt.edu
Michael McCloud	michaelpm23@vt.edu
Michael Ray	davidmichaelray2003@yahoo.co.uk
Michael Storper	storper@ucla.edu
Michaela Fuchs	michaela.fuchs@iab.de
Michele Vitagliano	michele.vitagliano@uniba.it
Michiel Daams	m.n.daams@rug.nl
Miguel Puente-Ajovín	mpajovin@unizar.es
Mikaela Backman	mikaela.backman@ju.se
Mikio Ishiwatari	Ishiwatari.Mikio@jica.go.jp
Mingj CUI	cui.mingji.iq@tut.jp
Minjae Yun	minjae.yun@claremontmckenna.edu



Miquel-Angel Garcia-Lopez	miquelangel.garcia@uab.cat
Mitchell Livy	mlivy@fullerton.edu
Muhammet Sever	msever@gmu.edu
Mustahsin Aziz	ma00082@mix.wvu.edu
Mwendwa Kiko	<b>mwendwa.kiko@mail.utoronto.ca</b>
Māris Bērziņš	maris.berzins@lu.lv
Na Li	lina@ucas.ac.cn
Nadeeka Weerasekara	nadeeka@uidaho.edu
Nairne Cameron	nairne.cameron@algomau.ca
Natalia Bailey	natalia.bailey@monash.edu
Nathan Kemper	nkemper@uark.edu
Neil Reid	neil.reid@utoledo.edu
Nick Perloff-Giles	nick@sharedusemobilitycenter.org
Nicola Cortinovis	n.cortinovis@uu.nl
Nicolas Devaux	nicolas_devaux@uqar.ca
Nikolaos Terzidis	n.terzidis@rug.nl
Njeri Jackson	njerij@vt.edu
Norma Rodríguez	nrodriguez@banxico.org.mx
Nosh Miller	nsmiller@usc.edu
Noé J. Nava	<u><a href="mailto:noejnava2@gmail.com">noejnava2@gmail.com</a></u>
Nyakundi Michieka	nmichieka@csu.edu
Oleg Golubchikov	GoubchikovO@cardiff.ac.uk
Olga Hianni Portugal Vieira	olgahianni@hotmail.com
Olga Hianni	olgahianni@hotmail.com
Orsa Kekezi	orsa.kekezi@sofi.su.se
Oudom Hean	oudom.hean@ndsu.edu
Oussama Trabelsi	Oussama.Trabelsi@inrs.ca
Pabel Ortiz	pabel.ortiz@ce.ucn.cl
Pablo Pinto	ppinto@central.uh.edu
Pan Qisheng	qisheng.pan@uta.edu
Paolo Veneri	paolo.veneri@gssi.it
Patrick Blaschke	patrick.blaschke@ndsu.edu
Paul Elhorst	j.p.elhorst@rug.nl
Paul Jung	Paul.Jung@inha.ac.kr
Paul Lewin	plewin@uidaho.edu
Pedro Alves	pedrojorge_holanda@hotmail.com
Peng Zhao	peng.zhao@doane.edu
Peter Nijkamp	pnijkamp@hotmail.com
Peter Njekwa Ryberg	peter.njekwaryberg@ju.se
Philip McCann	philip.mccann@manchester.ac.uk
Qiang Cao	im.cao.xiaoqiang@gmail.com
Rafael Faria de Abreu Campos	rfacampos@ufv.br
Rafael Garduno-Rivera	rgarduno@unav.es

Rafael González-Val	rafaelg@unizar.es
Rafael Pereira	rafael.pereira@ipea.gov.br
Ran Wei	ran.wei@ucr.edu
Ray Miller	ray.miller@colostate.edu
Renato Vieira	renato@fearp.usp.br
Riccardo Turati	riccardo.turati@uab.cat
Richard A. Dunn	Richard.Dunn@usda.gov
Richard Barkham	Richard.Barkham@cbre.com
Richard Funderburg	rfund2@uis.edu
Richard Gearhart	rgearhart1@csu.edu
Richard Martin	rmart@uga.edu
Richard Rijnks	r.h.rijnks@rug.nl
Richelle Winkler	richelle.winkler@usda.gov
Rick Church	rickchurch@ucsb.edu
Roberta Capello	roberta.capello@polimi.it
Roberto Dellisanti	roberto.dellisanti@polimi.it
Roberto Koencke	rkoencke@ufl.edu
Roberto Patuelli	roberto.patuelli@unibo.it
Rodrigo Perez-Silva	raperezs@uc.cl
Rosella Nicolini	rosella.nicolini@uab.cat
Rushaine Goulbourne	goulbourne92@gmail.com
Russ Ormiston	rormisto@allegheny.edu
Sabina Regmi	sr2117@msstate.edu
Saima Bashir	sbashir@centralstate.edu
Sal McCollum	sal.mccollum@colostate.edu
Saman Herath Bandara	saman.bandara@wvstateu.edu
Samuel Bicego	samuel.pedro@usp.br
Sandy Dall'erba	dallerba@illinois.edu
Santiago Pinto	santiago.pinto@rich.frb.org
Sara Peters	speters27@wisc.edu
Sarah Dominguez	dominguezs@scag.ca.gov
Sarah Low	sarahalow@gmail.com
Sasidhar Parasa	s.parasa3063@student.tsu.edu
Scott Loveridge	loverid2@msu.edu
Sean Holly	sh247@cam.ac.uk
Sebastian Cuellar	sebastian.cuellar01@ucn.cl
Sebastian Losacker	sl@noemail.edu
Sebastien Bourdin	sbourdin@em-normandie.fr
Sebastien Box-Couillard	sb38@illinois.edu
Seong Yun	seong.yun@msstate.edu
Serge Rey	srey@sdsu.edu
Sergio Rey	srey@sdsu.edu
Shaheen Pirani	shaheen.amirali.pirani@emory.edu

Shalini Matharage	matharage.s@northeastern.edu
Shengrong Hu	alexhu@iastate.edu
Sheshank Karki	shashankkarki@vt.edu
Shihe Fu	fushihe@whu.edu.cn
Shou-Chi Chen	shouchi0429@gmail.com
Shuji Uranishi	uranishi@omu.ac.jp
Sidany Hilburn	sidany.hilburn@okstate.edu
Simon Collinson	tsingshanprof02@outlook.com
Siqi Zheng	sqzheng@mit.edu
Sofia Wixe	sofia.wixe@ju.se
Soo Jung Ha	sjha@krihs.re.kr
Soomi Lee	slee4@laverne.edu
Stefano Iandolo	siandolo@unisa.it
Stephan Brunow	stephan.brunow@arbeitsagentur.de
Stephan Goetz	sjg16@psu.edu
Stephan J. Goetz	sjg16@psu.edu
Stephan Weiler	stephan.weiler@colostate.edu
Stephen Ellis	sellis@ou.edu
Steve Deller	scdeller@wisc.edu
Steven Bond-Smith	bondsmith@hawaii.edu
Steven Craig	scraig@uh.edu
Steven Deller	scdeller@wisc.edu
Stewart Fotheringham	stewart.fotheringham@asu.edu
Susan Binder	sbinder@camsys.com
Susan Chen	ecsusan@vt.edu
Sushant Singh	sushantsinghs@outlook.com
Taejun Mo	taejunm2@illinois.edu
Tarn Somervell Fletcher	tsomerve@gmu.edu
Tatsuya Kusumi	tkusumi@g.ecc.u-tokyo.ac.jp
Tess Haddock	teresa.haddock@okstate.edu
Tessa Conroy	tessa.conroy@wisc.edu
Thomas Christoffel	Tom.Christoffel@gmail.com
Thomas Keene	thomasc.keene@gmail.com
Thomas Klier	thomas.klier@chi.frb.org
Tim Bersak	bersakta@wofford.edu
Tim Komarek	tim.komarek@colostate.edu
Timothy R Wojan	twojan@nsf.gov
Ting Zhang	tzhang@ubalt.edu
Tohru Naito	tnaito@mail.doshisha.ac.jp
Tomaz Dentineho	tomas.lc.dentineho@uac.pt
Tomoki Ishikura	iskr@tmu.ac.jp
Tong Ye	tye23@uic.edu
Tongyun Du	todu@bnu.edu.cn

Trey Malone	tmalone@uark.edu
Ugo Fratesi	ugo.fratesi@polimi.it
Umut Türk	umut.turk@gmail.com
Vanessa Echeverri Figueroa	vanessa610@ucsb.edu
Veneziano Araujo	veneziano.araujo@unifesp.br
Vicente Royuela	vroyuela@ub.edu
Victor José Silva	victont@gmail.com
Victor Valerio	victor.dmv@unifei.edu.br
Vincenzo Nardelli	vincnardelli@gmail.com
Vinicius Curti Cícero	vinicius.cicero@colostate.edu
Vinicius Cícero	vinicius.cicero@colostate.edu
Wanting Xu	wanting0502@foxmail.com
Wen-Yen Lin	wylin01@mail.mcu.edu.tw
William Ridley	wridley@illinois.edu
Xialing Zhao	xkz5250@psu.edu
Xiangwei Sun	xsu@illinois.edu
Xiaodong Liu	xiaodong.liu@colorado.edu
Xiaoyin Li	xiaoyin.li@mail.wvu.edu
Xin (Selena) Feng	selena.feng@ou.edu
Xin Feng	selena.feng@ou.edu
Xin Li	xinli87@cityu.edu.hk
Xinying Zou	xzou3@lsu.edu
Yang Cheng	cheng297@wisc.edu
Yasuhide Okuyama	okuyama@kitakyu-u.ac.jp
Ye-Rim Lee	leeye12@msu.edu
Yi Huang	yihuang@nau.edu.cn
Yifu Ou	oyf915@connect.hku.hk
Yilan Xu	yilanxu@illinois.edu
Yimin Zhang	Yimin.Zhang@nrel.gov
Youhyun Kim	youhuen907@pusan.ac.kr
Younghan Lee	ylee201@hawaii.edu
Youning Chen	youning2@illinois.edu
Younès Bouakline	younes.bouakline.1@ulaval.ca
Yu-Shan Huang	yushan@mcu.edu.tw
Yue Ke	yke@anl.gov
Yuri Mansury	ymansury@iit.edu
Zachary Keeler	zkeeler@ttu.edu
Zachary Schaller	zachary.schaller@colostate.edu
Zheng Tian	ztian@psu.edu
Zhenhua Chen	chen.7172@osu.edu
Zhenshan Chen	zhenshanchen@vt.edu
Zhentaο Shi	zhentaο.shi@cuhk.edu.hk
Zhongqi Zheng	zhongqizheng@ucsb.edu

Zhongying Gan  
Zurikanen Iddrisu  
Zuzana Bednarik  
Émilie Béland  
Özge Öner

zhongyinggan@gmail.com  
ziddrisu@uncc.edu  
zbednari@purdue.edu  
Emilie.Beland@wsp.com  
oo263@cam.ac.uk

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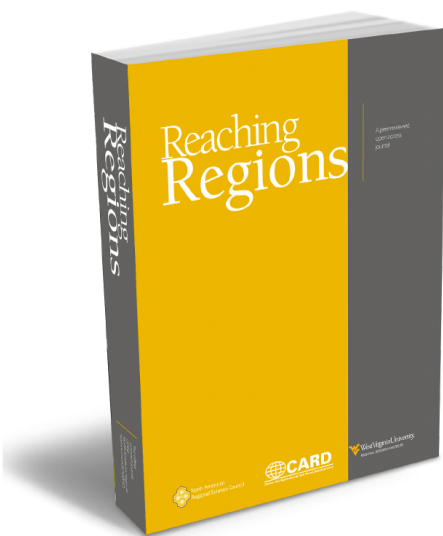


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