



Western Regional Science Association

64th Annual Meeting

Hilton Lake Las Vegas | Henderson, Nevada Feb 12th–15th, 2025

Welcome to fabulous Lake Las Vegas in Henderson, Nevada and the 64th Annual Meeting of Western Regional Science Association! We have got a fantastic few days in store for you!

Everything you need to know about the meeting is contained in the following pages. Before diving in, though, take a few moments to read the next few pages for an overview of the schedule. Please also do take some time to familiarize yourself with our session etiquette guidelines on page 3. The Program Participant Index on page 19 will help you locate your program assignments. As always, late program changes have occurred; be sure to double-check your assignments in case your original scheduling has shifted. You can also access our digital program using the QR code on pages 2 and 22 or your name badge.

This year, our meeting gets going on Wednesday afternoon in MonteLago Ballroom with the 14th Annual Lay James Gibson Opening Session. Join us in Grand Ballroom (on Lobby Level) after the Opening Session for the Welcoming Reception and enjoy a beautiful Lake Las Vegas with your friends!! The Spatial Data Analysis & Econometrics Workshop on Wednesday morning will be in Deserto and open to all WRSA attendees.

On Thursday night, please join us in the MonteLago Ballroom for the 12th Annual Getis-Ord Lecture in Spatial Analysis, where this year's speaker, Sergio Rey from San Diego State University, will be delivering a lecture on "Mind the gap and the map: Measuring distributional and spatial income polarization." Geoffrey J.D. Hewings, from the University of Illinois, Urbana-Champaign, will be the discussant. A reception for session attendees will follow the formal part of the session in Grand Ballroom (on Lobby Level).

Friday is a full day, not only with paper sessions but we also have our Annual Award Banquet Luncheon at midday in MonteLago Ballroom (on Garden Level) and the President's Reception in the evening that will be held at Grand Ballroom (on Lobby Level). At the Luncheon, this year's incoming President, Euijune Kim, will give his Presidential Address, and the Tiebout and Springer Prize winners will be announced.

Final reminder: When you pick up your meeting packet at the registration desk, along with your program and name badge, you should have received four colored tickets. Please keep these tickets in a safe place! You will use the BLUE ticket for the Welcoming Reception on Wednesday evening. Your TAN ticket is your admission to the Annual Award Banquet Luncheon on Friday—*no ticket, no lunch!* You will use the GREEN ticket for the Getis-Ord Lecture Reception on Thursday night. Finally, the GOLD ticket covers your first drink at the President's Reception on Friday evening. A cash bar is available at the receptions for additional drinks.

A hearty thanks to all of you, WRSA meeting participants.

Without you, the meeting wouldn't be what it is: The Way Academic Life Should Be!

Best wishes for a productive, memorable, and enjoyable meeting here in Lake Las Vegas!





Wednesday, 12 February

8:00 AM—6:30 PM

Registration (*MonteLago Foyer*)

9:00 AM—3:00 PM

PySAL-WS Spatial Data Analysis &
Econometrics PySAL Workshop
(*Deserto*)

1:30 PM—4:00 PM

TRSA-ABC The Regional Science Academy-ABC
(*Monte Vista*)

4:30 PM—6:00 PM

LGOS The 14th Annual Lay J. Gibson
Opening Session
(*MonteLago Ballroom*)

6:15 PM—7:45 PM

Welcome Reception (*Grand Ballroom*)

For our digital program, please scan!



Wednesday, 9:00 AM—3:00 PM

PySAL-WS ~ Deserto

Spatial Data Analysis & Econometrics

PySAL Workshop

Chair: Sergio REY, San Diego State Univ., USA;
Elijah KNAAP, San Diego State Univ., USA

(Open to all WRSa Attendees)



Wednesday, 1:30 PM—4:00 PM

TRSA-ABC ~ Monte Vista

The Regional Science Academy – ABC

**“Decoding Resilience and Spatial Happiness:
Regional Science Upside Down?”**

**Organized by The Regional Science Academy (TRSA)
in collaboration with SAGES and CITY FOCUS**

Chair: Kingsley Haynes, Vice-President TRSA,
George Mason Univ., Arlington, USA

Welcome and Introduction to ABC

Peter BATEY, Univ. Liverpool, UK

President of The Regional Science Academy

1:30—2:00

City Love in a Spatial Interaction Context

Peter Nijkamp, AI Cuza Univ., Iasi, Romania, Open
Univ., The Netherlands

2:00—2:30

Leisure Behavior in a Flying Disc Framework

Jaewon Lim, Univ. Nevada, Las Vegas, USA

Coffee Break: 2:30—2:45

2:45—3:15

What about People in Urban Science?

Karima Kourtit, AI Cuza Univ., Iasi, Romania, Open
Univ., The Netherlands

3:15—3:45

Decoding Blessing in Disguise and Human Wellbeing

Alex Banica, AI Cuza Univ., Iasi, Romania, Oliever
Dinter, AI Cuza Univ., Iasi, Romania, Manuel Fosalau,
AI Cuza Univ., Iasi, Romania, Karima Kourtit, AI Cuza
Univ., Iasi, Romania, Open Univ., The Netherlands

3:45—4:00

RoundTable Discussion



Wednesday, 4:30–6:00 PM

MonteLago Ballroom



***The 14th Annual Lay James Gibson
Opening Session***

Chairs:

Euijune Kim, Seoul National Univ., Korea
WRSA President-elect

Andrew Woods, Univ. Nevada, Las Vegas, USA
Director, Center for Business & Economic Research

***Nevada's Economy Post-Pandemic and
the Increasing Role of Sports Tourism***

Facilitated by:

Andrew Woods, CBER
Univ. Nevada, Las Vegas, USA

Presenters & Panelists:

Andrew Woods, CBER
Univ. Nevada, Las Vegas, USA

Joseph Lema, College of Hospitality
Univ. Nevada, Las Vegas, USA

Jay Vickers, Sports Innovation Institute
Univ. Nevada, Las Vegas, USA

Joel Lieberman, Tourism Safety Institute
Univ. Nevada, Las Vegas, USA

Kevin Bragger
Las Vegas Visitor & Convention Authority, USA
Alan Feldman, International Gaming Institute
Univ. Nevada, Las Vegas, USA

**Notes on Session Format and
Etiquette**

- Per WRSA custom, each paper is allocated 45 minutes of Program time, inclusive of discussion.
- Authors should plan on presentations of approximately 25–30 minutes.
- Discussants should prepare about 5–10 minutes of remarks, allowing at least 10 minutes for questions from, and open discussion with, session attendees.
- Participants: Please arrive at your session 10 minutes early to make A/V preparations (i.e., load presentations onto a laptop).
- At least one of the participants needs to bring a laptop for use by presenters in the session.
- Chairs: Please do not change the order of presentations listed in the program, and please adhere to the scheduled times.
- As a courtesy to other presenters, all participants are asked to stay for the entire session.

Thanks!

Submitting Papers to:



The Annals of Regional Science

Annual Meeting participants are cordially invited to submit their papers to WRSA's official journal, *The Annals of Regional Science*.

The co-editors, Alessandra Faggian, Brian H.S. Kim, and Janet Kohlhase, are here in Lake Las Vegas and will be happy to discuss potential submissions.

Wednesday, 6:15–7:45 PM

Welcoming Reception

Grand Ballroom



*For all participants and accompanying persons:
Everyone welcome!*



Thursday, 13 February

8:00 AM—6:00 PM

Registration (*MonteLago Foyer*)

8:30 AM—12:00 PM

1A Housing, Real Estate, & Policies (I)
(*Deserto*)

1B Immigration & Social Cohesion
(*Lago*)

1C Environmental Sustainability & Disaster
Management (I) (*Monte Vista*)

1D Transportation & Infrastructure
(*Olive Grove*)

1E Location & Economic Development (I)
(*Orchard*)

1F Transportation & Environment
(*Vineyard*)

1:30 PM—5:00 PM

2A Demography & Regional Growth
(*Deserto*)

2B Jobs & Regional Labor Market (I)
(*Lago*)

2C Cities, Investment, & Growth
(*Monte Vista*)

2D Labor, Human Capital & Development
(*Olive Grove*)

2E Keith Schwer Memorial Western States
Economic Outlook (*Orchard*)

2F Local Public Finance (I)
(*Vineyard*)

5:15 PM—6:45 PM

GOSA The 12th Annual Getis-Ord Lecture
in Spatial Analysis
(*MonteLago Ballroom*)

7:00 PM—8:30 PM

Getis-Ord Lecture Reception (*Grand Ballroom*)

Thursday, 8:00–10:00 AM
WRSA Board of Directors Meeting
Tuscany
(By invitation only)



Convenor: Jaewon Lim
Univ. Nevada, Las Vegas, USA
WRSA Executive Director

Thursday, 8:30 AM—12:00 PM



Paper Session 1A ~ Deserto
Housing, Real Estate, & Policies (I)

Chair: Steven CRAIG
Univ. Houston, USA

8:30—9:15

**Exploring the Relationship between Residential Mobility
Patterns and Household Debt in South Korea**

Kihyun KWON, Incheon National Univ., Republic of Korea
Discussant: Do KIM, Cal Poly, Pomona, USA

9:15—10:00

**Mortgage Rates and Rents: Evidence from Local Mortgage
Lock-In Effects**

Jorge DE LA ROCA, Univ. Southern California, Los
Angeles, USA, Marco GIACOLETTI, Univ. Southern
California, Los Angeles, USA, Lizhong LIU, Univ. Southern
California, Los Angeles, USA

Discussant: Jaebin LIM, Chungnam National Univ.,
Republic of Korea

Coffee Break: 10:00—10:30

10:30—11:15

Online Housing Listings and Zoning Change

Clemens PILGRAM, Univ. Cincinnati, USA
Discussant: Steven CRAIG, Univ. Houston, USA

11:15—12:00

**Hispanic Homeownership Gaps by Age and Country of
Origin in the United States and California**

David FLORES MOCTEZUMA, Univ. Southern California,
Los Angeles, USA

Discussant: Andres RODRIGUEZ LOMBEIDA, Univ.
Nevada, Las Vegas, USA



Thursday, 8:30 AM—12:00 PM

Paper Session 1B ~ Lago
Immigration & Social Cohesion

Chair: Johan LUNDBERG
Umeå Univ., Sweden

8:30—9:15

**Speaking Ourselves Closer: Linguistic Minorities, Social
Cohesion and Local Development in Italian Inner Areas**

Giulia FERRANTE, Gran Sasso Science Inst., Italy, Luca
BUZZANCA, Gran Sasso Science Inst., Italy, Arsène
PERROT, Gran Sasso Science Inst., Italy

Discussant: Austin LANDINI, Univ. Missouri,
Columbia, USA

9:15—10:00

**The shifts in residential segregation and immigration in
Sweden 1990-2022**

Sofia WIXE, Jönköping International Business School,
Sweden, Charlotta MELLANDER, Jönköping International
Business School, Sweden

Discussant: Dylan SKRAH, San Diego State Univ.,
USA

Coffee Break: 10:00—10:30

10:30—11:15

Residential Mobility of Immigrants in South Korea

Hyojoo HAN, Seoul National Univ., Republic of Korea,
Jaemin SONG, Seoul National Univ., Republic of Korea

Discussant: Johan LUNDBERG, Umeå Univ., Sweden

11:15—12:00

Forced labour in manufacturing and the local industry structure: the case of Italy

Daria DENTI, Gran Sasso Science Inst., Italy, Simona IAMMARINO, Univ. Calgary, Canada; London School Economics & Political Science, UK

Discussant: Jihan PARK, Pusan National Univ., Republic of Korea



Thursday, 8:30 AM—12:00 PM
**Paper Session 1C ~ Monte Vista
Environmental Sustainability &
Disaster Management (I)**

Chair: Hee-Jung JUN

Sungkyunkwan Univ., Republic of Korea

8:30—9:15

What drives green discontent in Europe?

Sebastien BOURDIN, Normandy Business School, France

Discussant: Hee-Jung JUN, Sungkyunkwan Univ., Republic of Korea

9:15—10:00

Green degrees, unequal futures? How sustainability in Higher Education curricula impacts graduate outcomes in Italian regions

Luca CATTANI, Univ. Parma, Italy, Dorel MANITIU, AlmaLaurea, Italy, Giulio PEDRINI, Univ. Enna Kore, Italy

Discussant: Sangwon CHOI, Seoul National Univ., Republic of Korea

Coffee Break: 10:00—10:30

10:30—11:15

Measuring Community Disaster Resilience in Korea: A Comparative Analysis of 2010 and 2020

Yeon-Woo CHOI, Yonsei Univ., Republic of Korea, Dong Keun YOON, Yonsei Univ., Republic of Korea

Discussant: Marco MODICA, Gran Sasso Science Inst., Italy

11:15—12:00

Flood Vulnerability and Adaptive Capacity in Korea: A Multidimensional Assessment

Sieun YANG, Seoul National Univ., Republic of Korea, Brian H.S. KIM, Seoul National Univ., Republic of Korea

Discussant: Giulio BREGLIA, Gran Sasso Science Inst., Italy



Thursday, 8:30 AM—12:00 PM
**Paper Session 1D ~ Olive Grove
Transportation & Infrastructure**

Chair: Sungyop KIM

Univ. Missouri, Kansas City, USA

8:30—9:15

What happens to travel behavior when treatment changes? An analysis of slow streets program changes in two US cities

Seula LEE, Univ. Southern California, Los Angeles, USA

Discussant: Fabiano COMPAGNUCCI, Gran Sasso Science Inst., Italy

9:15—10:00

From spatial mismatch to strategic future placement: A long-term assessment of senior safety zone locations

Eun Jin SHIN, Sungkyunkwan Univ., Republic of Korea

Discussant: Marcus PENG, Univ. Hawaii at Manoa, USA

Coffee Break: 10:00—10:30

10:30—11:15

Ways to increase pedestrian volume in a modern city: The effect of built environments in high-density superblocks in Seoul, South Korea

Chang Gyu CHOI, Hanyang Univ., Republic of Korea, Eun Yeong SEONG, Mokpo National Univ., Republic of Korea

Discussant: Richard ACQUAH-SARPONG, Oregon State Univ., Corvallis, USA

11:15—12:00

Systematic Review on Accessibility Equity from the standpoint of urban planning in US

Yuquan ZHOU, Univ. Southern California, Los Angeles, USA

Discussant: Sungyop KIM, Univ. Missouri, Kansas City, USA



Thursday, 8:30 AM—12:00 PM
**Paper Session 1E ~ Orchard
Location & Economic Development (I)**

Chair: FABIEN NADOU

EM Normandie Business School, France

8:30—9:15

Diffusion of economic shocks in the labor market: Evidence from a mining boom and bust

Gabriel RODRÍGUEZ-PUELLO, Jönköping International Business School, Sweden, Jonna RICKARDSSON, Jönköping International Business School, Sweden

Discussant: Jinhwan OH, Ewha Womans Univ., Republic of Korea

9:15—10:00

The Impact of Mega Shopping Complexes on the Survival of Nearby Local Businesses: A Case Study of the Seoul Metropolitan Area, South Korea

Mingu KANG, Seoul National Univ., Republic of Korea, Heeyeun YOON, Seoul National Univ., Republic of Korea

Discussant: FABIEN NADOU, EM Normandie Business School, France

Coffee Break: 10:00—10:30

10:30—11:15

The Impact of Commercial Airports on Rural Regions: A Canadian Perspective

Pierre-Marcel DESJARDINS, Université Moncton, Canada
Discussant: Yijoo LEE, Univ. Seoul, Republic of Korea

11:15—12:00

Location preferences of knowledge-intensive business services: an analysis of business relocation decisions

Yoojin YI, Kyungpook National Univ., Republic of Korea,
Euijune KIM, Seoul National Univ. Republic of Korea
Discussant: Shiyang ZHANG, Penn State Univ.,
University Park, USA



***Thursday, 8:30 AM—12:00 PM
Paper Session 1F ~ Vineyard
Transportation & Environment***

Chair: Andrew CRAWLEY
Univ. Maine, Orono, USA

8:30—9:15

Metro Development, Network Configuration and Vehicle Use in China

Yifu OU, Hong Kong Baptist Univ., China, Kyung-Min
NAM, Univ. Hong Kong, China
Discussant: Ivana MARJANOVIC, Univ. Nis, Serbia

9:15—10:00

Rail Transit Disruptions, Traffic Generations, and Adaptations: Quasiexperimental Evidence from the 2019/20 Hong Kong Protests

Yifu OU, Hong Kong Baptist Univ., China, Xin LI, City
Univ. Hong Kong, China, Kyung-Min NAM, Univ. Hong
Kong, China
Discussant: Chaeyeon LEE, Pusan National Univ.,
Republic of Korea

Coffee Break: 10:00—10:30

10:30—11:15

Navigating the Ripple Effect: Unveiling the Hidden Currents of El Niño, the Panama Canal, and US West Coast Ports

Phillip LEE, Univ. Southern California, Los Angeles, USA
Discussant: Vo THI CHINH, Seoul National Univ.,
Republic of Korea

11:15—12:00

Green over Gray: The Impact of Highway Cap Parks on Physical Activity

Jeongwoo LEE, Chung-Ang Univ., Republic of Korea
Discussant: Andrew CRAWLEY, Univ. Maine, Orono,
USA



***Thursday, 1:30 PM—5:00 PM
Paper Session 2A ~ Deserto
Demography & Regional Growth***
Chair: David PLANE
Univ. Arizona, Tucson, USA

1:30—2:15

The Effects of Economic Growth and Regional Disparity on the Fertility Rate of South Korea, 2000-2020

Kyungjae LEE, Seoul National Univ., Republic of Korea,
Jonghoon PARK, Hanbat National Univ, Republic of Korea,
Seongwoo LEE, Seoul National Univ., Republic of Korea
Discussant: David PLANE, Univ. Arizona, Tucson,
USA

2:15—3:00

Elderly Migration in the U.S.: Who Moves, Where They Go, and What Drives Their Decisions?

Daeyoung KWON, Univ. Nevada, Las Vegas, USA, Jaewon
LIM, Univ. Nevada, Las Vegas, USA, Ayoung KIM,
Mississippi State Univ., USA, Soojung HA, Korea Research
Institute Human Settlements, Republic of Korea
Discussant: Jinhyun HONG, Univ. Seoul, Republic of
Korea

Coffee Break: 3:00—3:30

3:30—4:15

Health and Older Adult Migration in Canada

Bruce NEWBOLD, McMaster Univ., Canada
Discussant: Seungshin LEE, Seoul National Univ.
Republic of Korea

4:15—5:00

Flight from the City? Pre- and Post-Pandemic Migration in Sweden

Kent ELIASSON, Growth Analysis, Sweden, Kamila
BORSEKOVA, Matej Bel Univ., Slovakia, Pia NILSSON,
Jönköping International Business School, Sweden, Hans
WESTLUND, KTH Royal Inst. Technology, Sweden
Discussant: Chang Gyu CHOI, Hanyang Univ.,
Republic of Korea



***Thursday, 1:30 PM—5:00 PM
Paper Session 2B ~ Lago
Jobs & Regional Labor Market (I)***

Chair: Nyakundi MICHIEKA
California State Univ., Bakersfield, USA

1:30—2:15

Joblessness across America: Nonemployment in the eastern heartland is high because workers find jobs at lower rates

Rich RYAN, California State Univ., Bakersfield, USA
Discussant: Zhuojun WANG, Cornell Univ., Ithaca,
USA

2:15—3:00

Self-employment and poverty, a complex interaction

Nastasya WINCKEL, Univ. Idaho, Moscow, USA, Paul
LEWIN, Univ. Idaho, Moscow, USA
Discussant: Arsène PERROT, Gran Sasso Science Inst.,
USA

Thursday, 12:00—1:30 PM

Lunch Break (On your own this day)

Coffee Break: 3:00—3:30

3:30—4:15

Regional Automation Risk Estimation and the Impact of Digitization on Regional Resilience: 4.0 Transformation

Jihan PARK, Pusan National Univ., Republic of Korea,
Donghyun KIM, Pusan National Univ., Republic of Korea

Discussant: Daria DENTI, Gran Sasso Science Inst., Italy

4:15—5:00

Investigating the Regional Growth of AI Jobs: An Assessment of In-Demand Skills

Elinor HUNT, Univ. Maine, Orono, USA, Andrew CRAWLEY, Univ. Maine, Orono, USA

Discussant: Nyakundi MICHIEKA, California State Univ., Bakersfield, USA



Thursday, 1:30 PM—5:00 PM
Paper Session 2C ~ Monte Vista Cities, Investment, & Growth

Chair: Sebastien BOURDIN
Normandy Business School, France

1:30—2:15

The impacts of transportation infrastructures and land use on road safety for senior pedestrians and cyclists. Revised
Seunghoon OH, Univ. Illinois, Springfield, USA

Discussant: Justin TYNDALL, Univ. Hawaii at Manoa, USA

2:15—3:00

Using natural language processing models to analyze the five-year plans of Chinese cities

Eric J. HEIKKILA, Univ. Southern California, Los Angeles, USA, Ling ZHU, Chinese Univ. Hong Kong, China, Ying XU, Hunan Univ., China, Xuanlong QIN, Chinese Univ. Hong Kong, China, Runhui TIAN, Chinese Univ. Hong Kong, China

Discussant: Yoonseo YANG, Seoul National Univ., Republic of Korea

Coffee Break: 3:00—3:30

3:30—4:15

Age-Specific Patterns of Urban Leisure: Spatial and Temporal Analysis in Seoul's Work-Live-Play Framework
Yijoo LEE, Univ. Seoul, Republic of Korea, Jin NAM, Univ. Seoul, Republic of Korea

Discussant: Pierre-Marcel DESJARDINS, Université Moncton, Canada

4:15—5:00

Urban Form in the Era of Autonomous Vehicles (AVs): A Review

Yoonseo YANG, Seoul National Univ., Republic of Korea, Jaemin SONG, Seoul National Univ., Republic of Korea

Discussant: Sebastien BOURDIN, Normandy Business School, France



Thursday, 1:30 PM—4:15 PM
Paper Session 2D ~ Olive Grove Labor, Human Capital & Development

Chair: Kyung-Min NAM
Univ. Hong Kong

1:30—2:15

Impact of Regional Characteristics on In-migrant Population by Migration Types

Chaeyeon LEE, Pusan National Univ., Republic of Korea, Donghyun KIM, Pusan National Univ., Republic of Korea

Discussant: Christian GONZALEZ-CUATIANQUIS, Gran Sasso Science Inst., Italy

2:15—3:00

Immigrant population and entrepreneurship development in United States metropolitan areas

Abu Bakkar SIDDIQUE, Florida Atlantic Univ., Boca Raton, USA, Sandip SUREKA, George Mason Univ., Arlington, USA, James WITTE, George Mason Univ., Arlington, USA

Discussant: Kyung-Min NAM, Univ. Hong Kong, China

Coffee Break: 3:00—3:30

3:30—4:15

Balanced Regional Development in South Korea through Immigration, Linked with Development Assistance

Jinwhan OH, Ewha Womans Univ., Republic of Korea, Joeeun KIM, Ewha Womans Univ., Republic of Korea

Discussant: Tatsuyoshi MIYAKOSHI, Gifu Shotoku-Gakuen Univ., Japan



Thursday, 1:30 PM—5:10 PM
Paper Session 2E ~ Orchard Keith Schwer Memorial

Western States Economic Outlook
Chair: Richard WOBBEKIND
Univ. Colorado, Boulder, USA

1:30—1:55

Western States Economic Overview

Brian LEWANDOWSKI, Univ. Colorado, Boulder, USA

1:55—2:20

Arizona Economic Outlook

Timothy HOGAN, Arizona State Univ., Tempe, USA

2:20—2:45

California Economic Outlook

Raymond SFEIR, Chapman Univ., Orange, USA

2:45—3:10

Colorado Economic Outlook

Richard WOBBEKIND, Univ. Colorado, Boulder, USA

Coffee Break: 3:00—3:30

3:30—3:55

Idaho Economic Outlook

Karl R. GEISLER, Idaho State Univ., Pocatello, USA

3:55—4:20

Montana Economic Outlook

Jeffrey MICHAEL, Univ. Montana, Missoula, USA

4:20—4:45

Nevada Economic Outlook

Andrew WOODS, Univ. Nevada, Las Vegas, USA

4:45—5:10

Utah Economic Outlook

Phil DEAN, Univ. Utah, Salt Lake City, USA



Thursday, 1:30 PM—4:15 PM

Paper Session 2F ~ Vineyard

Local Public Finance (I)

Chair: Terry CLOWER

George Mason Univ. Arlington, USA

1:30—2:15

Interrelationship Between Alzheimer's Mortality Rate, Regional Economic Condition, and Medical Institutions: A PVAR approach

Jong Pyo LEE, Seoul National Univ., Republic of Korea,
Heeyeun YOON, Seoul National Univ., Republic of Korea

Discussant: Xin LI, City Univ. Hong Kong, China

2:15—3:00

Welfare Consequences of Mobility Restrictions in the Tiebout Model: An Agent-Based Modeling Approach

Soomi LEE, Univ. La Verne, USA, Yuri MANSURY, Illinois Inst. Technology, Chicago, USA

Discussant: Seula LEE, Univ. Southern California, Los Angeles, USA

Coffee Break: 3:00—3:30

3:30—4:15

Is the Inner City Boom Over?

Steven CRAIG, Univ. Houston, USA, Annie HSU, Indiana Univ., Bloomington, USA

Discussant: Heeyeun YOON, Seoul National Univ., Republic of Korea



Thursday, 5:15—6:45 PM
MonteLago Ballroom



**The 12th Annual
Getis-Ord Lecture in Spatial Analysis**

Chair: Eric J. HEIKKILA
Univ. Southern California, Los Angeles, USA

**Mind the gap and the map:
Measuring distributional and
spatial income polarization**

Presented by:

Sergio REY
San Diego State Univ., USA

Discussant:

Geoffrey J.D. HEWINGS
Univ. Illinois, Urbana-Champaign, USA

A reception will follow the lecture

Friday, 7:00 PM—8:30 PM

**Getis-Ord Lecture Reception
Grand Ballroom**



*For all participants and accompanying persons:
Everyone welcome!*



Friday, 14 February

8:00 AM—6:00 PM

Registration (*MonteLago Foyer*)

8:30 AM—12:00 PM

3A Housing, Real Estate, & Policies (II)
(*Deserto*)

3B Jobs & Regional Labor Market (II)
(*Lago*)

3C Environmental Sustainability & Disaster
Management (II) (*Monte Vista*)

3D Spatial Modeling & GIS Applications (I)
(*Olive Grove*)

3E Location & Economic Development (II)
(*Orchard*)

3F Local Public Finance (II)
(*Vineyard*)

12:00 PM—2:15 PM

AABL Annual Award Luncheon
(*MonteLago Ballroom*)

2:30 PM—6:00 PM

4A Housing, Real Estate, & Policies (III)
(*Deserto*)

4B Regional Models & Applications
(*Lago*)

4C Environmental Sustainability & Disaster
Management (III) (*Monte Vista*)

4D Transportation Issues in Urban Spaces (I)
(*Olive Grove*)

4E The Regional Science Academy (TRSA) - SAS
(*Orchard*)

- Tourism, Leisure Choices, & Economic
Development
- Great Minds in Regional Science Lecture

6:00 PM—8:00 PM

President's Reception (*Grand Ballroom*)



Friday, 8:30 AM—12:00 PM
Paper Session 3A ~ Deserto
Housing, Real Estate, & Policies (II)

Chair: Clemens PILGRAM
Univ. Cincinnati, USA

8:30—9:15

**Estimating Housing Demand Considering Regional
Industrial and Employment Characteristics**

Jimin KIM, Univ. Seoul, Republic of Korea, Jaecun SHIN,
Univ. Seoul, Republic of Korea, Myungje WOO, Univ.
Seoul, Republic of Korea

Discussant: Lizhong LIU, Univ. Southern California,
Los Angeles, USA

9:15—10:00

**Estimating the value of travel time uncertainty on house
prices**

Matt GNAGEY, Weber State Univ., Ogden, USA, Fredrik
KOPSCH, Lund Univ., Sweden, Alexandra ROJAS, Lund
Univ., Sweden

Discussant: Geoffrey HEWINGS, Univ. Illinois,
Urbana-Champaign, USA

Coffee Break: 10:00—10:30

10:30—11:15

**How Many Units Are Needed? Measuring Housing
Shortages in the United States.**

Seongmoon CHO, Univ. Southern California, Los Angeles,
USA

Discussant: Abu Bakkar SIDDIQUE, Florida Atlantic
Univ., Boca Raton, USA

11:15—12:00

**An Empirical Study on the Relationship of Population
Accommodation and Land Use Cover Change Especially
Focusing on Socioeconomic and Housing-type
Configuration**

Jaebin LIM, Chungnam National Univ., Republic of Korea,
Kiseong JEONG, Land & Housing Inst., Republic of Korea

Discussant: Clemens PILGRAM, Univ. Cincinnati,
USA



Friday, 8:30 AM—12:00 PM
Paper Session 3B ~ Lago
Jobs & Regional Labor Market (II)

Chair: Rich RYAN

California State Univ., Bakersfield, USA

8:30—9:15

**Factors Driving the Decline in Nevada's Labor Force
Participation (2019-2022): An Analysis of ACS PUMS
Data**

Jinju LEE, Univ. of Nevada, Las Vegas, USA, Jaden
VONGNARATH, Univ. of Nevada, Las Vegas, USA,
Andrew WOODS, Univ. of Nevada, Las Vegas, USA,
Stephen MILLER, Univ. of Nevada, Las Vegas, USA

Discussant: Rich RYAN, California State Univ.,
Bakersfield, USA

9:15—10:00

Ownership of Nonemployer Businesses amongst Diverse Populations

Tessa CONROY, Univ. Wisconsin, Madison, USA, Austin LANDINI, Univ. Missouri, Columbia, USA, Mary MCDERMOTT, Univ. Wisconsin, Madison, USA

Discussant: Jefferson PEREIRA, Univ. of Illinois, Urbana-Champaign, USA

Coffee Break: 10:00—10:30

10:30—11:15

Work from Work: COVID-19 and the Changing Spatial Dynamics of In-Person Work

Zhuojun WANG, Cornell Univ., Ithaca, USA, Wenfei XU, Cornell Univ., Ithaca, USA

Discussant: Hyojoo HAN, Seoul National Univ., Republic of Korea

11:15—12:00

A Regime of Labour Intimacy and Transnational Actors? Foreign Domestic Helpers, Economic Transformation and Female Labour Force Participation in Hong Kong

Deniz SEVINC, Univ. Birmingham, UK

Discussant: Jaewon Lim, Univ. Nevada, Las Vegas, USA

11:15—12:00

Analysis of Factors Contributing to Differences in Risk Perception

Soyoon KIM, Seoul National Univ., Republic of Korea, Brian H.S. KIM, Seoul National Univ., Republic of Korea

Discussant: Aaron COLLETTA, Univ. Nevada, Las Vegas, USA



Friday, 8:30 AM—12:00 PM

**Paper Session 3D ~ Olive Grove
Spatial Modeling & GIS Applications (I)**

Chair: Rick CHURCH

Univ. California, Santa Barbara, USA

8:30—9:15

Parametrically Measuring Geographical, Temporal, and Socioeconomic Spillover Effects among Crime and Homelessness in Los Angeles

Minjae YUN, Claremont McKenna College, USA, Jieun LEE, Emory Univ., Atlanta, USA

Discussant: John GIBSON, Univ. Waikato, New Zealand

9:15—10:00

Social Vulnerability Under Fire: Examining the Risks for the Unsheltered Homeless in Wildfire-Prone Areas

Zhongqi ZHENG, Univ. California, Santa Barbara, USA, Alan MURRAY, Univ. California, Santa Barbara, USA, Stuart SWEENEY, Univ. California, Santa Barbara, USA, Sophia ARABADJIS, Univ. California, Santa Barbara, USA

Discussant: Peter ROGERSON, Arizona State Univ., Tempe, USA

Coffee Break: 10:00—10:30

10:30—11:15

Who Goes, Who Stays? Identifying Critical Neighborhood Evacuation Areas

Alan MURRAY, Univ. California, Santa Barbara, USA

Discussant: Parastou SALEHIPOUR, West Virginia Univ., Morgantown, USA

11:15—12:00

An improved location model for obnoxious facilities using a spatially informed obnoxiousness constraint

Changwha OH, Univ. Tennessee, Knoxville, USA

Discussant: Rick CHURCH, Univ. California, Santa Barbara, USA



Friday, 8:30 AM—11:15 PM
**Paper Session 3C ~ Monte Vista
Environmental Sustainability &
Disaster Management (II)**

Chair: Makena COFFMAN
Univ. Hawaii at Manoa, USA

8:30—9:15

Shifting Employment and Investment Structures Towards Environmental Sustainability

Juin-Jen CHANG, Academia Sinica, Taiwan, Jhy-Hwa CHEN, Tamkang Univ., Taiwan, Meng-Ting CHEN, National Taiwan Normal Univ., Taiwan, Jhy-Yuan SHIEH, Soochow Univ., Taiwan, Jiakai ZHANG, New Mexico Tech, Socorro, USA

Discussant: Elizabeth JOUN, Univ. Southern California, Los Angeles, USA

9:15—10:00

Persistent Impacts of Wildfire Smoke on PM2.5

Speciation: Evidence from 2007 to 2023 Smoke Events

Shiyan ZHANG, Penn State Univ., University Park, USA, Manzhu YU, Penn State Univ., University Park, USA

Discussant: Makena COFFMAN, Univ. Hawaii at Manoa, USA

Coffee Break: 10:00—10:30

10:30—11:15

Earthquakes and social cohesion in Italy

Marco MODICA, Gran Sasso Science Inst., Italy

Discussant: Ghislain GUEYE, Louisiana Tech Univ., Ruston, USA





Friday, 8:30 AM—12:00 PM
Paper Session 3E ~ Orchard
Location & Economic Development (II)

Chair: Juan Carlos LOPEZ
 Univ. Denver, USA

8:30—9:15

**Exploring Regenerative Urban Development in Europe:
 Data Envelopment Analysis of City Smartness**

Ivana MARJANOVIC, Univ. Niš, Serbia, Jelena STANKOVIC, Univ. Niš, Serbia, Marija DZUNIC, Univ. Niš, Serbia, Marina STANOJEVIC, Univ. Niš, Serbia, Sasa CEGAR, Univ. Rijeka, Croatia

Discussant: Mingu KANG, Seoul National Univ., Republic of Korea

9:15—10:00

Role of international financial centers in network systems

Tatsuyoshi MIYAKOSHI, Gifu Shotoku-Gakuen Univ., Japan, Yoshihiko TSUKUDA, Tohoku Univ., Japan, Junji SHIMADA, Aoyama-Gakuin Univ., Japan

Discussant: Yoojin YI, Kyungpook National Univ., Republic of Korea

Coffee Break: 10:00—10:30

10:30—11:15

**Digitalisation of european companies and territorial
 intermediation. Critical analysis of the roles of Digital
 Innovation Hubs**

FABIEN NADOU, EM Normandie Business School, France, Sebastien BOURDIN, Normandy Business School, France

Discussant: Juan Carlos LOPEZ, Univ. Denver, USA

11:15—12:00

**Time-use and the economic benefits of outdoor recreation
 for Hawaii visitors**

Marcus PENG, Univ. Hawaii at Manoa, USA, Nori TARUI, Univ. Hawai'i at Mānoa, USA, Tsuge TAKAHIRO, Sophia Univ., Japan

Discussant: Phillip LEE, Univ. Southern California, Los Angeles, USA



Friday, 8:30 AM—11:15 AM
Paper Session 3F ~ Vineyard
Local Public Finance (II)

Chair: Janet Kohlhase
 Univ. Houston, USA

8:30—9:15

**Assessing the Impact of Municipal Mergers on Local
 Public Expenditure Dynamics in Italy**

Carlo CAPORALI, Gran Sasso Science Inst., Italy, Francesco SCOTTI, Politecnico di Milano, Italy, Giovanni BAIOCCHETTI, Università degli Studi di Milano, Italy, Alessandra FAGGIAN, Gran Sasso Science Inst., Italy

Discussant: Annie HSU, Indiana Univ., Bloomington, USA

9:15—10:00

**Capital Expenditure by School Districts: Driven by
 Enrollment, or Administrative Convenience?**

Eva Loeza ALBINO, California Workers Compensation Inst., Oakland, USA, Steven CRAIG, Univ. Houston, USA, Sam MALIK, Univ. Houston, USA, Ryan MCGREGOR, Southern Methodist Univ., Dallas, USA, Brian MURPHY, Univ. Houston, USA, Bent SORENSEN, Univ. Houston, USA, Md. Abdullah MASHRUR, East West Univ., Bangladesh

Discussant: Hans WESTLUND, KTH Royal Inst. Technology, Sweden

Coffee Break: 10:00—10:30

10:30—11:15

**Kansas Tax Experiment and Establishment Payment
 Practices**

Yong CHEN, Oregon State Univ., Corvallis, USA, David GUO, Wichita State Univ. USA, Richard ACQUAH-SARPONG, Oregon State Univ., Corvallis, USA, Paul LEWIN, Univ. Idaho, Moscow, USA

Discussant: Soomi LEE, Univ. La Verne, USA

And What About Next Year, You Ask?

Already thinking about WRSA 2026?

For our 65th Annual Meeting, WRSA goes to **Santa Fe, NM**. It will be our 3rd meeting in Santa Fe. We had the 45th Annual Meeting in 2006 and more recently in 2017, we met for our 56th Annual Meeting in Santa Fe.

Next year's conference will be hosted at the Eldorado Hotel and Spa, just 5-minute walking distance from historic Santa Fe Plaza. For art lovers, *the Georgia O'Keeffe Museum* is the next door to our conference hotel.

Our meeting dates are Wednesday, **February 11th** to Saturday, the 14st. (Our room rate is \$214 including \$15 amenity fee, plus applicable taxes).

Full meeting details will be shared in the months to come.

We look forward to seeing your full papers submitted by October 15, 2025 and we look forward to welcoming you to historic Santa Fe, a city brimming with rich art, culture, and culinary experiences!!



WRSA Meeting History

63 rd	Hyatt Regency Monterey, Monterey, CA (2024)
62 nd	Hilton Waikoloa Village, Hawaii, HI (2023)
61 st	The Scott Resort & Spa, Scottsdale, AZ (2022)
60 th	Virtual through ZOOM Meetings (2021)
59 th	Canceled due to COVID-19 Pandemic (2020)
58 th	Napa Marriott, Napa Valley, CA (2019)
57 th	Hilton Pasadena, Pasadena, CA (2018)
56 th	La Fonda on the Plaza, Santa Fe, NM (2017)
55 th	Hilton Waikoloa Village, Hawaii, HI (2016)
54 th	Loews Ventana Canyon Resort, Tucson, AZ (2015)
53 rd	Paradise Point Resort, San Diego, CA (2014)
52 nd	Fess Parker's Doubletree, Santa Barbara, CA (2013)
51 st	Sheraton Kauai, Poipu, HI (2012)
50 th	Monterey Plaza Hotel, Monterey, CA (2011)
49 th	Hilton Sedona, Sedona, AZ (2010)
48 th	Silverado Resort, Napa, CA (2009)
47 th	Hilton Waikoloa Village Resort, Hawaii, HI (2008)
46 th	Hyatt Regency, Newport Beach, CA (2007)
45 th	La Fonda, Santa Fe, NM (2006)
44 th	Hyatt Regency Islandia, San Diego, CA (2005)
43 rd	Marriott Wailea Resort, Maui, HI (2004)
42 nd	Rio Rico Resort, Rio Rico, AZ (2003)
41 st	Hyatt Regency Monterey, Monterey, CA (2002)
40 th	Riviera Resort & Racquet Club, Palm Springs, CA (2001)
39 th	Sheraton Kauai Resort, Poipu, HI (2000)
38 th	Ojai Valley Inn, Ojai, CA (1999)
37 th	Hyatt-Regency Monterey, Monterey, CA (1998)
36 th	The Royal Waikoloan Resort, Waikoloa, HI (1997)
35 th	Silverado Country Club and Resort, Napa, CA (1996)
34 th	San Diego Princess Resort, San Diego, CA (1995)
33 rd	Westward Look Resort, Tucson, AZ (1994)
32 nd	Maui Inter-Continental Resort, Wailea, Maui, HI (1993)
31 st	Caesar's Tahoe Resort, South Lake Tahoe, NV (1992)
30 th	Monterey Plaza Hotel, Monterey, CA (1991)
29 th	Kaluokoi Hotel, Molokai, HI (1990)
28 th	San Diego Princess Resort, San Diego, CA (1989)
27 th	Silverado Country Club, Napa, CA (1988)
26 th	Kona Surf Resort, Keauhou, Hawaii, HI (1987)
25 th	Surf and Sand Hotel, Laguna Beach, CA (1986)
24 th	Hotel Del Coronado, Coronado (San Diego), CA (1985)
23 rd	Casa Munras Hotel, Monterey, CA (1984)
22 nd	The Prince Kuhio Hotel, Honolulu, HI (1983)
21 st	Miramar Hotel, Santa Barbara, CA (1982)
20 th	Newporter Inn, Newport Beach, CA (1981)
19 th	Doubletree Inn, Monterey, CA (1980)
18 th	Vacation Village Hotel, San Diego, CA (1979)
17 th	Mansion Inn, Sacramento, CA (1978)
16 th	Doubletree Inn, Tucson, AZ (1977)
15 th	Vacation Village Hotel, San Diego, CA (1976)
14 th	The Riviera Hotel, Palm Springs, CA (1975)
13 th	Edgewater Hyatt House, Long Beach, CA (1974)
12 th	Del Monte Hyatt House, Monterey, CA (1973)
11 th	Vacation Village Hotel, San Diego, CA (1972)
10 th	Santa Barbara Biltmore Hotel, Santa Barbara, CA (1971)
9 th	Vacation Village Hotel, San Diego, CA (1970)
8 th	Newporter Inn, Newport Beach, CA (1969)
7 th	Vacation Village Hotel, San Diego, CA (1968)
6 th	(Meeting site unknown), Las Vegas, NV (1967)
5 th	Santa Barbara Inn, Santa Barbara, CA (1966)
4 th	Meeting site and dates unknown (1965)
3 rd	Student Union, Arizona State Univ., Tempe, AZ (1964)
2 nd	Student Union, Univ. Oregon, Eugene, OR (1963)
1 st	Univ. California, Berkeley, Berkeley, CA (1962)

The 64 WRSA Presidents

1 st	1960–1961	William Golder
2 nd	1961–1962	Morgan D. Thomas
3 rd	1962–1963	James N. Tattersall
4 th	1963–1964	William S. Peters
5 th	1964–1965	John W. Dyckman
6 th	1965–1966	Charles M. Tiebout
7 th	1966–1967	Fred E. Case
8 th	1967–1968	Paul F. Wendt
9 th	1968–1969	Harold L. Buma
10 th	1969–1970	Bernard Udis
11 th	1970–1971	Edward L. Ullman
12 th	1971–1972	Anthony H. Pascal
13 th	1972–1973	Donald A. Watson
14 th	1973–1974	Charles L. Leven
15 th	1974–1975	Shelly Mark
16 th	1975–1976	Frank G. Mittelbach
17 th	1976–1977	Martin Beckmann
18 th	1977–1978	Parzival Copes
19 th	1978–1979	David Seymour
20 th	1979–1980	Werner Hirsch
21 st	1980–1981	Lee Attaway
22 nd	1981–1982	Niles Hansen
23 rd	1982–1983	Sol Rabin
24 th	1983–1984	Robert Keyes
25 th	1984–1985	Nina Gruen
26 th	1985–1986	Jack Knetsch
27 th	1986–1987	Gunter Schramm
28 th	1987–1988	Bernard Malamud
29 th	1988–1989	Harry W. Richardson
30 th	1989–1990	Paul E. Polzin
31 st	1990–1991	Michael J. Greenwood
32 nd	1991–1992	Kingsley E. Haynes
33 rd	1992–1993	Theodore Lane
34 th	1993–1994	Richard L. Morrill
35 th	1994–1995	John E. Keith
36 th	1995–1996	Antoine S. Bailly
37 th	1996–1997	Jon R. Miller
38 th	1997–1998	Jack C. Stabler
39 th	1998–1999	Lay James Gibson
40 th	1999–2000	Arthur Getis
41 st	2000–2001	John M. Quigley
42 nd	2001–2002	Brenda Moscove
43 rd	2002–2003	Roger Stough
44 th	2003–2004	Koichi Mera
45 th	2004–2005	Juanita Liu
46 th	2005–2006	Lee Huskey
47 th	2006–2007	Jack W. Osman
48 th	2007–2008	Geoffrey J. D. Hewings
49 th	2008–2009	T. John Kim
50 th	2009–2010	David W. Holland
51 st	2010–2011	Robert J. Stimson
52 nd	2011–2012	Warren Gill
53 rd	2012–2013	Peter Gordon
54 th	2013–2014	Hans Westlund
55 th	2014–2015	Serge Rey
56 th	2015–2016	K. Bruce Newbold
57 th	2016–2017	David A. Plane
58 th	2017–2018	Alan Murray
59 th	2018–2019	Matthias Ruth
60 th	2019–2020	Genevieve Giuliano
61 st	2020–2021	Janet E. Kohlase
62 nd	2021–2022	Richard Church
63 rd	2022–2023	Terry Clower
64 th	2023–2024	Makena Coffman



Friday, 12:00 PM–2:15 PM
Annual Award Banquet Luncheon
 MonteLago Ballroom

Chair: Eric J. HEIKKILA
 Univ. Southern California, Los Angeles, USA
 65th WRSA President (2024-2025)

Announcements:
 Jaewon LIM, WRSA Executive Director

The 29th Springer-Verlag Prize:
 Alessandra Faggian, Brian H.S. KIM, & Janet KOHLHASE
 Editors, *The Annals of Regional Science*

The 39th Charles M. Tiebout Prize:
 Presented by: Terry CLOWER
 Chair 2024–2025 Reading Committee
 63rd WRSA President (2022-2023)

Presidential Address:
*Large-Scale Regional Models in Regional Science:
 Focusing on Distance-Based CGE Approaches*

Euijune KIM
 Seoul National Univ., Republic of Korea
 66th WRSA President (2025-2026)

Discussant:
 Geoffrey J.D. Hewings,
 Univ. Illinois, Urbana-Champaign

**Many Thanks to the 2024-2025
 Program Committee!**

Mark Brown, Statistics Canada
 John Carruthers, George Washington Univ.
 Zhenhua Chen, Ohio State Univ.
 Sandy Dall Erba, Univ. Illinois at Urbana-Champaign
 Alessandra Faggian, Gran Sasso Science Inst.
 Karl Geisler, Idaho State Univ.
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 Soomi Lee, Univ. La Verne
 Juan Carlos Lopez, Univ. Denver
 Yuri Mansury, Illinois Inst. Technology
 Nyakundi Michieka, California State Univ., Bakersfield
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 Yasuhide Okuyama, Univ. Kitakushu
 David Plane, Univ. Arizona
 Daoqin Tong, Arizona State Univ.
 Ran Wei, Univ. California, Riverside

Co-Chairs:
 Eric J. Heikkila, Univ. Southern California
 Euijune Kim, Seoul National Univ.

Chair:
 Jaewon Lim, Univ. Nevada, Las Vegas



Western Regional Science Association

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 Terry Clower, Jaewon Lim, David Plane

WRSA's NARSC Councilor:
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 Kingsley Haynes, George Mason Univ.
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 Jean Paelinck, Erasmus Univ.
 David Plane, Univ. Arizona
 Sergio Rey, San Diego State Univ.
 Hans Westlund, KTH Royal Inst. Technology

* *ex officio*, *Annals* editors



Friday, 2:30 PM—5:15 PM
Paper Session 4A ~ Deserto
Housing, Real Estate, & Policies (III)

Chair: Jae Hong KIM
 Univ. California, Irvine, USA

2:30—3:15

The Role of Mixed-Income Development on Upward Economic Mobility Among Public Housing Residents

Jisu JEONG, Sungkyunkwan Univ., Republic of Korea,
 Hee-Jung JUN, Sungkyunkwan Univ., Republic of Korea
 Discussant: David FLORES MOCTEZUMA, Univ.
 Southern California, Los Angeles, USA

3:15—4:00

Promoting Development in High-Opportunity Areas: Incentives and Siting of Low-Income Housing Tax Credit Projects

Wei KANG, Univ. Southern California, Riverside, USA
 Discussant: Jae Hong KIM, Univ. California, Irvine, USA

Coffee Break: 4:00—4:30

4:30—5:15

Heterogeneity in Urban Multifamily Housing Development: A Case Study of Los Angeles, CA

Sungyop KIM, Univ. Missouri, Kansas City, USA, Do KIM, Cal Poly, Pomona, USA, Pauline BEKKERS, California State Polytechnic Univ., Pomona, USA
 Discussant: Kihyun KWON, Incheon National Univ., Republic of Korea



Friday, 2:30 PM—5:15 PM
Paper Session 4B ~ Lago
Regional Models & Applications

Chair: Sergio REY,
 San Diego State Univ., USA

2:30—3:15

An input-output analysis of the key drivers in CO2 emissions from a regional supply perspective: an application to the Brazilian economy

Fernando Salgueiro PEROBELLI, Federal Univ. Juiz de Fora, Brazil, Geoffrey HEWINGS, Univ. Illinois, Urbana-Champaign, USA, Eduardo HADDAD, Univ. Sao Paulo, Brazil, Edson DOMINGUES, Federal Univ. Minas Gerais, Brazil, Guilherme SALGUEIRO, Federal Univ. Minas Gerais, Brazil

Discussant: Brian H.S. KIM, Seoul National Univ., Republic of Korea

3:15—4:00

Multiple testing across locations with the Getis-Ord statistic

Peter ROGERSON, Arizona State Univ., Tempe, USA
 Discussant: Sergio REY, San Diego State Univ., USA

Coffee Break: 4:00—4:30

4:30—5:15

Luminosity and local economic growth

John GIBSON, Univ. Waikato, New Zealand, Bonggeun KIM, Seoul National Univ., Republic of Korea, Chao LI, Univ. Auckland, New Zealand
 Discussant: Donghwan KI, Ohio State Univ., Columbus, USA



Friday, 2:30 PM—5:15 PM
Paper Session 4C ~ Monte Vista
Environmental Sustainability & Disaster Management (III)

Chair: Jiakai ZHANG
 New Mexico Tech, Socorro, USA

2:30—3:15

A World of Shocks: Mapping Resilience Across Regional Layers and Multiple Shocks

Giulio BREGLIA, Gran Sasso Science Inst., Italy, Marco MODICA, Gran Sasso Science Inst., Italy
 Discussant: Soyeon KIM, Seoul National Univ., Republic of Korea

3:15—4:00

Trees or Water? How environmental tradeoffs affect willingness to participate in urban tree canopy expansion programs in Las Vegas

Aaron COLLETTA, Univ. Nevada, Las Vegas, USA
 Discussant: Luca CATTANI, Univ. Parma, Italy

Coffee Break: 4:00—4:30

4:30—5:15

Population Aging and Carbon Dynamics: Investigating Emissions Trends in Super-Aging Societies

Sangwon CHOI, Seoul National Univ., Republic of Korea, Brian H.S. KIM, Seoul National Univ., Republic of Korea
 Discussant: Jiakai ZHANG, New Mexico Tech, Socorro, USA



“The Way Academic Life Should Be”



Friday, 2:30 PM—6:00 PM
Paper Session 4D ~ Olive Grove
Transportation Issues in Urban Spaces (I)

Chair: Marlon BOARNET

Univ. Southern California, Los Angeles, USA

2:30—3:15

Beyond compactness: analysis of commuting patterns by the urban spatial structure of compact development in small and medium sized cities in Korea

Jonghyun LEE, Incheon National Univ., Republic of Korea,
 Dabin LEE, Incheon National Univ., Republic of Korea,
 Euneun JUNG, Hyunjoo EOM, Incheon National Univ.,
 Republic of Korea

Discussant: Marlon BOARNET, Univ. Southern
 California, Los Angeles, USA

3:15—4:00

Insights from Pedestrian Lingering in California's Urban Areas

James GROSS, Univ. Southern California, Los Angeles,
 USA

Discussant: Sugie LEE, Hanyang Univ., Republic of
 Korea

Coffee Break: 4:00—4:30

4:30—5:15

Exploring non-linear relationship between built environment and older people's cycling behaviour in Seoul, South Korea

Hyeonjeong LEE, Univ. Seoul, Republic of Korea, Jinhyun
 HONG, Univ. Seoul, Republic of Korea

Discussant: Christine BAE, Univ. Washington, Seattle,
 USA

5:15—6:00

Analysis of alternative commercial vehicle road user charges

Dan WEI, Univ. Southern California, Los Angeles, USA,
 Genevieve GIULIANO, Univ. Southern California, Los
 Angeles, USA, Kelly-Anne MOFFA, ICF International,
 Somerville, USA, Zakhary MALLETT, Alabama A&M
 Univ., Huntsville, USA

Discussant: Haein LEE, Univ. Seoul, Republic of Korea



Friday, 2:30 PM—5:15 PM
Paper Session 4E ~ Orchard
The Regional Science Academy – SAS
Tourism, Leisure Choices, & Economic Development

Chairs: Karima KOURTIT & Peter Nijkamp
 AI Cuza Univ., Iasi, Romania
 Open Univ., The Netherlands

2:30—3:15

The Impacts of Different Shocks on Casino Revenues in Nevada: A Time Series Analysis

Zheng TIAN, Penn State Univ., University Park, USA,
 Stephan GOETZ, Penn State Univ., University Park, USA,
 Thomas HARRIS, Univ. Nevada, Reno, USA

Discussant: Karl GEISLER, Idaho State Univ.,
 Pocatello, USA

3:15—4:00

The more labelled, the more resilient? The role of territorial labelling strategies in resisting a recessionary shock in Italian urban and inner areas

Fabiano COMPAGNUCCI, Gran Sasso Science Inst., Italy
 , Alessandra FAGGIAN, Gran Sasso Science Inst., Italy,
 Giulia URSO, Gran Sasso Science Inst., Italy

Discussant: Eun Jin SHIN, Sungkyunkwan Univ.,
 Republic of Korea

Coffee Break: 4:00—4:30

The Regional Science Academy – SAS
Great Minds in Regional Science Lecture

Chairs: Peter Batey, Univ. Liverpool, USA
 David Plane, Univ. Arizona, Tucson, USA

4:30—5:15

Dorothy Swaine Thomas (1899–1977) and Hope Tisdale Eldridge (1904–1991): Pioneers of Quantitative Migration Systems Analysis

Jeremiah ALLEN, Univ. Lethbridge, Alberta, Canada

5:15—6:00

Peter Hall (1932–2014): A Key Figure in Defining the Institutional Identity of Regional Science/Studies

Peter BATEY, Univ. Liverpool, UK

Feb 14th, 2025

Friday 6:00 – 8:00 PM

Grand Ballroom

*Hilton Lake Las Vegas Resort
 Henderson, Nevada*

President's Reception

hosted by

Dr. Euijune Kim

*The 66th President of
 Western Regional Science Association*



For all participants and accompanying persons

With the generous support of

*Seoul National University
 &*

Korean Regional Science Association



Saturday, 15 February

8:00 AM—5:00 PM

Registration (*MonteLago Foyer*)

8:30 AM—12:00 PM

5A Equity, Quality of Life, & Regional Policies
(*Deserto*)

5B Environment, Agriculture, & Public Health
(*Lago*)

5C Spatial Modeling & GIS Applications (II)
(*Monte Vista*)

5D Location & Economic Development (III)
(*Orchard*)

1:30 PM—5:00 PM

6A Housing, Real Estate, & Policies (IV)
(*Deserto*)

6B Jobs & Regional Labor Market (III)
(*Lago*)

6C Transportation Issues in Urban Spaces (II)
(*Monte Vista*)

(*End of Conference*)



Saturday, 8:30 AM—11:15 AM

Paper Session 5A ~ Deserto

Equity, Quality of Life, & Regional Policies

Chair: Alessandra FAGGIAN

Gran Sasso Science Inst., Italy

8:30—9:15

Internal or external disparities? Inequalities and life satisfaction in European cities

Christian GONZALEZ-CUATIANQUIS, Gran Sasso Science Inst., Italy, Alessandra FAGGIAN, Gran Sasso Science Inst., Italy, Paolo VENERI, Gran Sasso Science Inst., Italy

Discussant: Jeongwoo LEE, Chung-Ang Univ., Republic of Korea

9:15—10:00

Two Safety Net Responses to the Economic Downturn during the 2020 Pandemic and the Early Economic Recovery: Geographical Analysis of the U.S.

Vicky ALBERT, Univ. Nevada, Las Vegas, USA, Jaewon LIM, Univ. Nevada, Las Vegas, USA

Discussant: Alessandra FAGGIAN, Gran Sasso Science Inst., Italy

Coffee Break: 10:00—10:30

10:30—11:15

Happiness and Social Capital in Urban America: Implications for Place-based Livability

Andres RODRIGUEZ LOMBEIDA, Univ. Nevada, Las Vegas, USA, Jaewon LIM, Univ. Nevada, Las Vegas, USA

Discussant: Yuquan ZHOU, Univ. Southern California, Los Angeles, USA



Saturday, 8:30 AM—11:15 AM

Paper Session 5B ~ Lago

Environment, Agriculture, & Public Health

Chair: Stephan GOETZ

Penn State Univ., University Park, USA

8:30—9:15

A Simple Model of Changes to Urban Water Demand from Hybrid Work Schedules

Juan Carlos LOPEZ, Univ. Denver, USA

Discussant: In Kwon PARK, Seoul National Univ., Republic of Korea

9:15—10:00

Effects of Technology on Productivity: A Comparative Analysis of Conventional and Sustainable Rice Farming Systems in Thailand

Vo THI CHINH, Seoul National Univ., Republic of Korea, Taeyoon KIM, Seoul National Univ., Republic of Korea, Soojeong KANG, Seoul National Univ., Republic of Korea, Donghwan AN, Seoul National Univ., Republic of Korea

Discussant: Makena COFFMAN, Univ. Hawaii at Manoa, USA

Coffee Break: 10:00—10:30

10:30—11:15

The Impact of the Neighbourhood Environment on Life Satisfaction Among Individuals with Mental Disabilities

Seungshin LEE, Seoul National Univ., Republic of Korea, In Kwon PARK, Seoul National Univ., Republic of Korea

Discussant: Stephan GOETZ, Penn State Univ., University Park, USA



Saturday, 8:30 AM—12:00 PM

Paper Session 5C ~ Monte Vista Spatial Modeling & GIS Applications (II)

Chair: Alan MURRAY

Univ. California, Santa Barbara, USA

8:30—9:15

A new fast-hybrid modeling approach for solving the p-median problem: CAMARO

Rick CHURCH, Univ. California, Santa Barbara, USA, Shaohua WANG, Chinese Academy of Science, China, Antonio MEDRANO, Texas A&M Univ., Corpus Christi, USA

Discussant: Minjae YUN, Claremont McKenna College, USA

9:15—10:00

Integration of Artificial Intelligence and Geospatial Analysis for Regional Wealth Estimation: A Case Study of West Virginia's Natural Capital

Parastou SALEHIPOUR, West Virginia Univ., Morgantown, USA, Michael P. STRAGER, West Virginia Univ., Morgantown, USA, Hodjat GHADIMI, West Virginia Univ., Morgantown, USA.

Discussant: Changwha OH, Univ. Tennessee, Knoxville, USA

Coffee Break: 10:00—10:30

10:30—11:15

Leveraging AI to Identify Walkability Opportunities and Barriers in Minority Neighborhoods: A ChatGPT and Google Street View Approach

Donghwan KI, Ohio State Univ., Columbus, USA, Zhenhua CHEN, Ohio State Univ., Columbus, USA

Discussant: Alan MURRAY, Univ. California, Santa Barbara, USA

11:15—12:00

Exploring Segregation in Education Systems Using Openstreetmap and Optimization Modeling

Dylan SKRAH, San Diego State Univ., Univ. California, Santa Barbara, USA, Sergio REY, San Diego State Univ., USA, Alan MURRAY, Univ. California, Santa Barbara, USA

Discussant: Seulki KIM, Seoul National Univ., Republic of Korea



Saturday, 8:30 AM—11:15 AM

Paper Session 5D ~ Orchard***Location & Economic Development (III)***

Chair: Yong CHEN

Oregon State Univ., Corvallis, USA

8:30—9:15

The Impact of Regionally Tiered Minimum Wage on Firm Liquidity Constraints: Evidence from Oregon's Three-Tier Minimum Wage Policy

Richard ACQUAH-SARPONG, Oregon State Univ., Corvallis, USA, Yong CHEN, Oregon State Univ., Corvallis, USA, Paul LEWIN, Univ. Idaho, Moscow, USA

Discussant: Jonna RICKARDSSON, Jönköping International Business School, Sweden

9:15—10:00

The Effects of Remote Work Offerings Relative to Location-Based U.S. Federal Job Opportunities

Elizabeth JOUN, Univ. Southern California, Los Angeles, USA, William RESH, Univ. Southern California, Los Angeles, USA

Discussant: Bruce NEWBOLD, McMaster Univ., Canada

Coffee Break: 10:00—10:30

10:30—11:15

Job Polarization and the Urban Wage Premium

Lina BJERKE, Jönköping International Business School, Sweden, Johan KLAESSON, Jönköping International Business School, Sweden

Discussant: Daeyoung KWON, Univ. Nevada, Las Vegas, USA

Saturday, 12:00—1:30 PM

Lunch Break (On your own this day)



Saturday, 1:30 PM—4:15 PM
Paper Session 6A ~ Deserto
Housing, Real Estate, & Policies (IV)

Chair: Wei KANG
 Univ. California, Riverside, USA

1:30—2:15

**Multilayered governance and infill development:
 Mobilizing community associations to promote sustainable
 land use and transport**

Jae Hong KIM, Univ. California, Irvine, USA,
 Nicholas MARANTZ, Univ. California, Irvine, USA,
 Idil TANRISEVER, Univ. California, Irvine, USA

Discussant: Jisu JEONG, Sungkyunkwan Univ.,
 Republic of Korea

2:15—3:00

**The Influence of Social and Physical Context of the
 Community on Accessory Dwelling Unit (ADU)
 Development**

Do KIM, Cal Poly, Pomona, Republic of Korea,
 Hee-Jung JUN, Sungkyunkwan Univ., Republic of Korea
 Discussant: Wei KANG, Univ. California Riverside,
 USA

Coffee Break: 3:00—3:30

3:30—4:15

**Urban Vacant Housing and Spatial Policy: Old Downtown,
 New Downtown, and Metropolitan Housing Markets**

Seulki KIM, Seoul National Univ., Republic of Korea
 Discussant: Seongmoon CHO, Univ. Southern
 California, Los Angeles, USA



Saturday, 1:30 PM—5:00 PM
Paper Session 6B ~ Lago
Jobs & Regional Labor Market (III)

Chair: Sofia WIXE

Jönköping International Business School, Sweden

1:30—2:15

**Predicting Rail Transit Impacts with Endogenous Worker
 Choice: Evidence from O'ahu**

Justin TYNDALL, Univ. Hawaii at Manoa, USA
 Discussant: Seunghoon Oh, Univ. Illinois Springfield,
 USA

2:15—3:00

**Effects of Urban Agglomerations on Wages in Brazil
 (2010--2018): Does Sorting and Match of Workers and
 Firms Matter?**

Jefferson PEREIRA, Univ. Illinois, Urbana-Champaign,
 USA, Keuler TEIXEIRA, Universidade Federal Alagoas,
 Brazil

Discussant: Sofia WIXE, Jönköping International
 Business School, Sweden

Coffee Break: 3:00—3:30

3:30—4:15

**On the quality of public sector services and private sector
 productivity**

Johan LUNDBERG, Umeå Univ., Sweden
 Discussant: Elinor HUNT, Univ. Maine, Orono, USA
 4:15—5:00

**The Impacts of Oil Exploration and Production on
 Sectoral Employment in Kern County**

Nyakundi MICHIEKA, California State Univ., Bakersfield,
 USA
 Discussant: Nastasya WINCKEL, Univ. Idaho, Moscow,
 USA



Saturday, 1:30 PM—5:00 PM
Paper Session 6C ~ Monte Vista
Transportation Issues in Urban Spaces (II)

Chair: Genevieve GIULIANO
 Univ. Southern California, Los Angeles, USA

1:30—2:15

**Analysis of Factors for Shared Electric Scooter Usage and
 Towing Density by Type: Focusing on Gwangjin-gu, Seoul**

Haein LEE, Univ. Seoul, Republic of Korea, Jin NAM,
 Univ. Seoul, Republic of Korea

Discussant: James GROSS, Univ. Southern California,
 Los Angeles, USA

2:15—3:00

**Drive Until You Qualify: Exploring Long Commutes in a
 High Housing Cost Region**

Bonnie WANG, Univ. Southern California, Los Angeles,
 USA, Seva RODNYANSKY, Pew Charitable Trusts, Los
 Angeles, USA, Andre COMANDON, Univ. Southern
 California, Los Angeles, USA, Marlon BOARNET, Univ.
 Southern California, Los Angeles, USA

Discussant: Hyunjoo EOM, Incheon National Univ.,
 Republic of Korea

Coffee Break: 3:00—3:30

3:30—4:15

**Evaluating Travel Patterns of E-Scooters as a First and
 Last Mile Solution: Application of Gaussian Mixture
 Model Clustering and Interpretable Machine Learning**

Jaewon HAN, Hanyang Univ., Republic of Korea, Hyebin
 KIM, Hanyang Univ., Republic of Korea, Sugie LEE,
 Hanyang Univ., Republic of Korea

Discussant: Genevieve GIULIANO, Univ. Southern
 California, Los Angeles, USA

4:15—5:00

**Equity Analysis of the EV Charging Stations in Six US
 Metropolitan Areas**

Boyang SA, Center for Sustainable Energy, Bellvue, USA
 Christine BAE, Univ. Washington, Seattle, USA

Discussant: Hyeonjeong LEE, Univ. Seoul, Republic of
 Korea

(Conference ends at 5:00 PM)

Program Participant Locator

Session assignments are listed following each participant's name:

1A, 1B, 1C, 1D, 1E, 1F on Thursday Morning
2A, 2B, 2C, 2D, 2E, 2F on Thursday Afternoon

3A, 3B, 3C, 3D, 3E, 3F on Friday Morning
4A, 4B, 4C, 4D, 4E on Friday Afternoon

5A, 5B, 5C, 5D on Saturday Morning
6A, 6B, 6C on Saturday Afternoon

LGOS = Lay Gibson Opening Session
WRSA-BM = WRSA Board Meeting
GOSA = Getis-Ord Lecture in Spatial Analysis
AABL = Annual Award Banquet Luncheon

PySAL-WS = Spatial Data Analysis & Econometrics with PySAL Workshop
TRSA-ABC = The Regional Science Academy - ABC Session

Roman typeface (regular font) indicates a paper author, panelist, or speaker;
Boldface indicates a session chair;
Italics indicate a paper discussant.

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 WOO, Myungje (mwoo@uos.ac.kr): 3A
 WOODS, Andrew (andrew.woods@unlv.edu): 2E, 3B, **LGOS**

~X~

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 XU, Ying (xuyingefface@gmail.com): 2C

~Y~

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 YANG, Yoonseo (yyoonseo@snu.ac.kr): 2C, 2C
 YI, Yoojin (yoojin_yi@knu.ac.kr): 1E, 3D
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ZHANG, Shiyun (szz5367@psu.edu): 1E, 3C
ZHENG, Zhongqi (zhongqizheng@ucsb.edu): 3D
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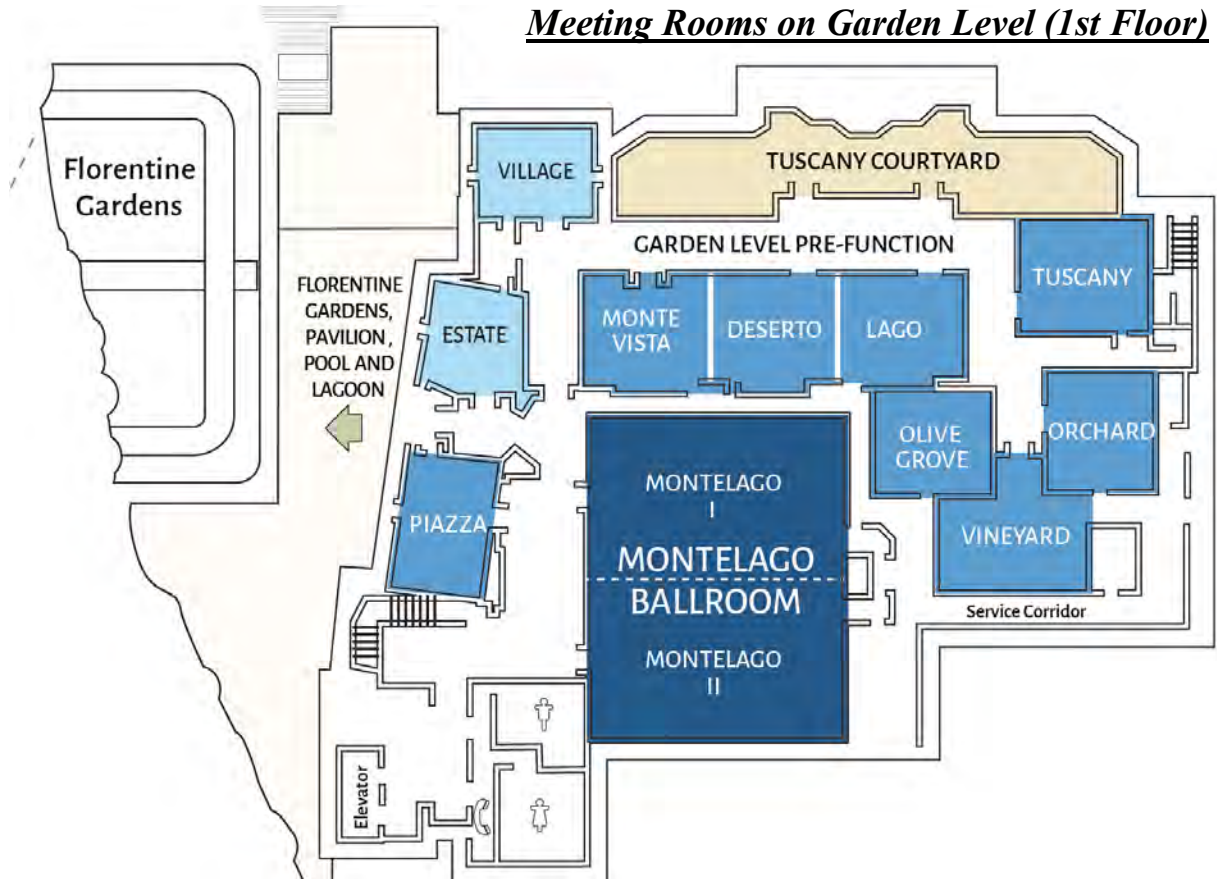


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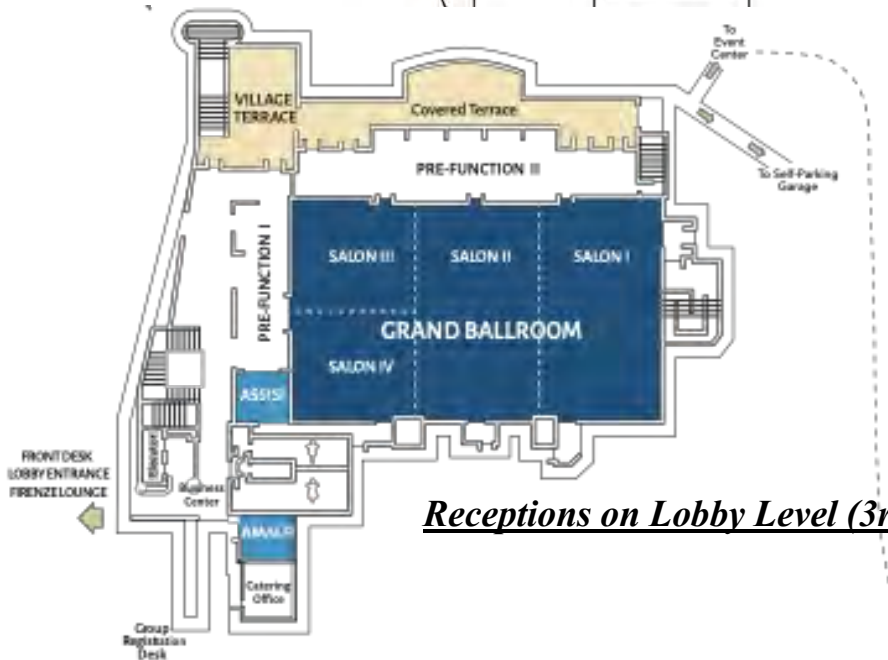


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