



Western Regional Science Association 60th Annual Meeting (Virtual)

February 22–25, 2021

Welcome to our 60th Annual Meeting! WRSA is hosting its first-ever virtual conference meeting in the middle of COVID-19 pandemic. Though we cannot meet in person, we have a fantastic few days in store for you!

Everything you need to know about the meeting is in the following pages. Before diving in, take a few moments to read the next few paragraphs for an overview of the schedule. Please also do take some time to familiarize yourself with the session guidelines and instructions for our virtual meeting (pages 1–2). The Program Participant Locator (pages 27–32) will help you locate your assignments. As always, late program changes may occur; be sure to double-check your assignments in case your original schedule has shifted.

This year, our meeting starts on Monday afternoon in the virtual meeting room (Las Vegas) with the 10th *Annual Lay James Gibson Opening Plenary* (page 3). It will feature a special panel discussion session on “Impacts of the Covid-19 Pandemic on the 2020 U.S. and 2021 Canadian Censuses and on North American Spatial Demographic/Economic Trends” organized by David Plane from The University of Arizona.

On Tuesday afternoon, please join us in the virtual meeting room (Las Vegas) for the 8th *Annual Getis-Ord Lecture in Spatial Analysis* (page 4), where this year’s speaker is Shaowen Wang from the University of Illinois, Urbana-Champaign. Alan Murray, from the University of California Santa Barbara, is the discussant.

The WRSA’s *Annual Award Ceremony* is scheduled for the midday on Wednesday. At the Ceremony, this year’s President (62nd President of WRSA), Richard Church, will give his *Presidential Address* (page 5) and the Tiebout and Stough-Johansson Springer Prize winners will be announced. WRSA is also offering two special panel discussion sessions: *Editors Panel Discussion* organized by Janet Kohlhase on Monday afternoon (page 6) and *Professional Development Workshop* organized by Sandy Dall’erba on Wednesday evening (page 7).

Even with the challenges of meeting online, we have a total of 115 research papers with 26 breakout sessions to share your research, listen to your colleagues, and find new collaborators. Most of the breakout sessions have four papers and each paper is allocated with 45 minutes: 25-30 minutes of presentation, 5 minutes for discussant, and 5-10 minutes for questions from, and open discussion with, session attendees.

A final reminder: The links for each room change each day, so be sure to check this program for the correct link. If you have problems with a link, please email the room host and they will be able to get you the correct link (emails are on page 1). Additionally, the links for the special sessions, which are open to all participants, can be found on the pages 3 through 7. Please do not share these links with others who have not registered for the conference. WRSA does depend on the registration fees from the conference to continue operations all year long.

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*! You can find our plan for the 61st Annual Meeting in 2022 on the last page (page 41).

Best wishes for a productive, memorable, and enjoyable meeting in WRSA’s virtual conference!



Instructions to Session Chairs, Presenters, and Discussants

1. **All the conference participants are required to log on using their own Zoom Account.** If you do not have one, please create a free Zoom account to join the WRSA virtual meeting. You can find **more information about how to create a Zoom account on the next page (page 2).**
2. The official time of the program is in **Pacific Standard Time of the United States**, which is **GMT-8 hours**.
3. Please adhere to the times printed in the program. Each session presentation is assigned a specific time. If you have a no-show, use the time for a discussion of the proceeding paper(s) or for a recess. Do not shift papers to fill voids, as individuals may want to attend a particular paper.
4. **The virtual room will be available approximately 5-10 minutes before** the start of each session.
5. When you arrive in the virtual room, **please “raise your hand” so that the room host can make you a panelist and allow you to share your screen.** The chair is responsible in making sure everyone is present.
6. Most sessions have 4 papers. Session Chairs should allocate 45 minutes to each paper (25-30 minutes presentation, 5 minutes discussant, and 5-10 minutes for audience questions/comments). If you have 3 or 5 papers in your session allocate the time accordingly.
7. **Hold everyone to the time allotted.** If a speaker continues after time has expired, ask those present to join you in thanking the speaker, and announce the next presentation. The audience and the other speakers will respect and support your decision.
8. Please be considerate of the next session by ensuring your session is completed at the appropriate time and that the virtual meeting room is vacated in time for the next session to set up.
9. 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.
The discussant should come prepared to provide approximately 5 minutes 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 PowerPoint presentation) with your discussant as early as possible, so that the discussant has sufficient time to review it.
10. Coffee Breaks will be there twice a day: one during the morning session and another during the afternoon session in each virtual meeting room. You can socialize in this virtual coffee break in your own session or visit other virtual meeting rooms to meet your colleagues. **Once you join a coffee break, the room host will let you turn on your audio and video.**
11. If there are any technology issues, please contact your room host. Emails are listed below:

Room Host Emails:

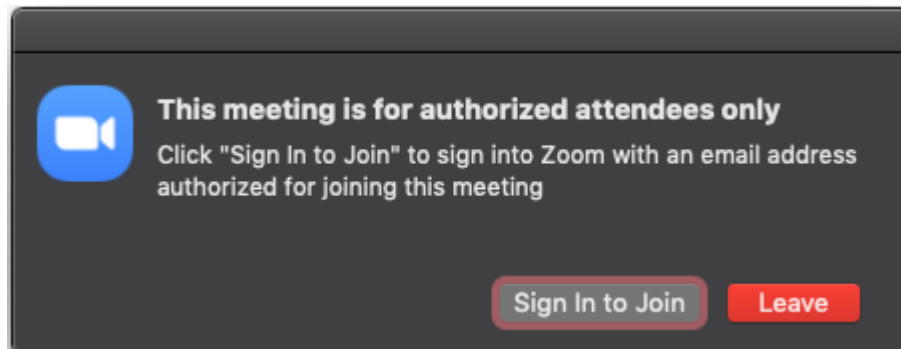
Palm Springs Room: WRSA.PalmSprings@gmail.com
Scottsdale Room: WRSA.Scottsdale@gmail.com
Waikoloa Room: WRSA.Waikoloa@gmail.com
Monterey Room: WRSA.Monterey@gmail.com
Las Vegas Room: WRSA.LasVegas@gmail.com

No Zoom Account? No problem! You can easily create a free Zoom Account.

For the meeting this year, **WRSA will restrict meeting participants to logged-in users only**. This means that **you must be logged in to Zoom** in order to attend any of the sessions.

If you do not have a Zoom account, you will not be able to join the meeting.

If you try to join a session and are not logged into Zoom, you will receive the following messages:



Click on the “Sign In to Join” button. If you already have an account, log in to Zoom. If you do not have an account, you may sign up at this time.

Having a Zoom account allows you to create your own Instant Meetings or Schedule Meetings. An account also allows you to access your personal settings, where you can update your profile or upgrade your plan at any time.

How do I sign up for Zoom?

You can sign up for a free Zoom account at zoom.us/signup.

How much does Zoom cost?

A basic Zoom license is free.



**Western Regional Science Association
60th Annual Meeting
Virtual Presentation (Zoom)**

Lay J. Gibson Opening Session

Monday February 22nd

3:30p-5:15p (PST)

***Impacts of the Covid-19 Pandemic on the 2020 U.S. and 2021
Canadian Censuses and on North American Spatial
Demographic/Economic Trends***

Panelists

Chair: David Plane - University of Arizona

Mark Brown - Statistics Canada

Nicholas N. Nagle - University of Tennessee, Knoxville

K. Bruce Newbold - McMaster University

Marc J. Perry - United States Census Bureau

Peter A. Rogerson - University at Buffalo, New York

"The Way Academic Life Should Be!"

For the full details of the Opening Session, please click [HERE!](#)

To join the 10th Annual Lay J. Gibson Opening Session, click the link below,

<https://us02web.zoom.us/j/88160798548>



Western Regional Science Association 8th Annual Getis-Ord Lecture in Spatial Analysis

5:30 PM – 7:15 PM (Pacific Time of the U.S., GMT-8)
Feb 23rd (Tue), 2021

Chair: Professor Arthur Getis
San Diego State University



Professor Shaowen Wang
University of Illinois, Urbana-Champaign

Extreme Digital Transformation in Spatial Analysis and Modeling

Spatial analysis and modeling have been undergoing an extreme digital transformation enabled by cyberGIS and machine intelligence during the past decade. This transformational trend seems likely to persist into the foreseeable future. Meanwhile cyberGIS has emerged as a new generation of geographic information science and systems (GIS) based on holistic integration of high-performance and distributed computing, data-driven knowledge discovery, visualization and visual analytics, and collaborative problem-solving capabilities. This presentation discusses challenges and opportunities for navigating the extreme digital transformation to advance spatial analysis and modeling through cyberGIS-enabled interdisciplinary and transdisciplinary approaches.

Discussant: Professor Alan Murray
University of California, Santa Barbara

"The Way Academic Life Should Be!"

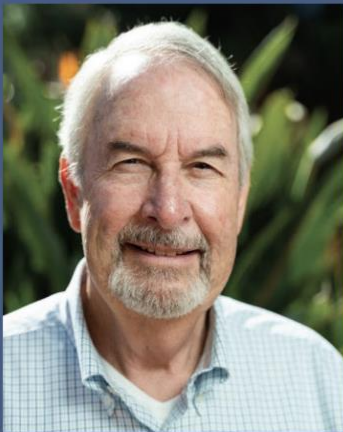
For the full details of the Getis-Ord Lecture, please click [HERE!](#)

To join the 8th Annual Getis-Ord Lecture in Spatial Analysis, click the link below,
<https://us02web.zoom.us/j/83298970524>



Western Regional Science Association 2021 WRSA Presidential Address Virtual Presentation (Zoom)

12:00 PM – 1:15 PM (Pacific Time of the U.S., GMT-8)
Feb 24th (Wed), 2020



Professor Richard Church

62nd President of WRSA
Dept. of Geography
University of California, Santa Barbara

*Regional Science:
what about disruption and resilience?*

Chair: Professor Janet E. Kohlase

61st President of WRSA
Dept. of Economics
University of Houston

Discussant: Professor Adam Rose

Sol Price School of Public Policy
Center for Risk and Economic Analysis of terrorism Events (CREATE)
University of Southern California

"The Way Academic Life Should Be!"

To join the WRSA Presidential Address, click the link below,

<https://us02web.zoom.us/j/88305408223>



**Western Regional Science Association
60th Annual Meeting
Virtual Presentation (Zoom)**

**Editors Panel Discussion
Monday February 22nd
1:30pm-3:00pm (PST)**

How to Publish in International Journals

Panelists

The Annals of Regional Science

Martin Andersson - Lund University
Brian H.S. Kim - Seoul National University
Janet Kohlhasse - University of Houston

Journal of Regional Science

Alessandra Faggian - Gran Sasso Science Institute

International Regional Science Review

Alan Murray - University of California, Santa Barbara

Regional Science Policy & Practice

Tomaz Dentinho - University of the Azores
Neil Reid - University of Toledo

Papers in Regional Science

Michael Lahr - Rutgers University

International Journal of Urban Sciences

Myunggu Kang - University of Seoul

For the full details of the Editors Panel Discussion Session, please click [HERE!](#)

**To join the *Editors Panel Discussion*, click the link below,
<https://us02web.zoom.us/j/82851167116?pwd=bWNnVFF2NWxqS1ozUEtMYVpZVGxvdz09>**



**Western Regional Science Association
60th Annual Meeting
Virtual Presentation (Zoom)**



**Professional Development WorkShop
Wednesday February 24th
5:30p-7:00p (PST)**

Panelists

Sandy Dall'erba - University of Illinois at Urbana-Champaign

Elizabeth Mack - Michigan State University

Daoqin Tong - Arizona State University

Jaewon Lim - University of Nevada, Las Vegas

"The Way Academic Life Should Be!"

For the full details of the Professional Development Workshop, please click [HERE](#)!

To join the *Professional Development Workshop*, click the link below,

<https://us02web.zoom.us/j/85353207872>

Overview of the 2021 WRSA Virtual Meeting (Final Program)

(All times are in Pacific Time of the U.S., GMT-8)

Feb 22, 2021 (Monday)	
8:00 AM - 11:30 AM	Pre-Conference Session (TRSA) (open to All)
11:30 PM - 1:30 PM	WRSA Board Meeting (by invitation)
1:30 PM - 3:00 PM	Editors Panel Discussion (open to All)
3:30 PM - 5:15 PM	The 10th Annual Lay J. Gibson Opening Session (open to All)

Feb 23, 2021 (Tuesday)	
8:00 AM - 9:30 AM	Breakout Sessions (1A, 1B, 1C, 1D, 1E)
9:30 AM -10:00 AM	<i>Coffee Break</i>
10:00 AM - 11:30 AM	Breakout Sessions (1A, 1B, 1C, 1D, 1E)
11:30 AM- 2:00 PM	Lunch Break
2:00 PM - 3:30 PM	Breakout Sessions (2A, 2B, 2C, 2D)
3:30 PM - 4:00 PM	<i>Coffee Break</i>
4:00 PM - 5:30 PM	Breakout Sessions (2A, 2B, 2C, 2D)
5:30 PM - 7:15 PM	The 8th Getis-Ord Lecture in Spatial Analysis (open to All)

Feb 24, 2021 (Wednesday)	
8:00 AM - 9:30 AM	Breakout Sessions (3A, 3B, 3C, 3D)
9:30 AM -10:00 AM	<i>Coffee Break</i>
10:00 AM - 11:30 AM	Breakout Sessions (3A, 3B, 3C, 3D)
11:45 PM - 1:45 PM	WRSA Annual Award Ceremony (open to All) Presidential Address
2:00 PM - 3:30 PM	Breakout Sessions (4A, 4B, 4C, 4D)
3:30 PM - 4:00 PM	<i>Coffee Break</i>
4:00 PM - 5:30 PM	Breakout Sessions (4A, 4B, 4C, 4D)
5:30 PM - 7:00 PM	Professional Development Workshop (open to All)

Feb 25, 2021 (Thursday)	
8:00 AM - 9:30 AM	Breakout Sessions (5A, 5B, 5C, 5D)
9:30 AM -10:00 AM	<i>Coffee Break</i>
10:00 AM - 11:30 AM	Breakout Sessions (5A, 5B, 5C, 5D)
11:30 AM- 2:00 PM	Lunch Break
2:00 PM - 3:30 PM	Breakout Sessions (6A, 6B, 6C, 6D)
3:30 PM - 4:00 PM	<i>Coffee Break</i>
4:00 PM - 5:30 PM	Breakout Sessions (6A, 6B, 6C, 6D)

Monday, 22 February

8:00 AM—11:30 AM:	TRSA	Pre-conference TRSA ABC Session (Palm Springs)
9:45 AM—10:00 AM:		Coffee Break
11:30 AM—1:30 PM:	BDM	WRSA Board Meeting (by invitation only) (Scottsdale)
1:30 PM—3:00 PM:	ES	Editors Panel Discussion (Waikoloa)
3:30 PM—5:15 PM:	LGOS	The 10th Annual Lay J. Gibson Opening Session (Monterey)

Tuesday, 23 February

8:00 AM—11:30 AM		
1A	Agriculture & Environmental Issues (Palm Springs)	
1B	COVID-19: Impact on Spatial Mobility (Scottsdale)	
1C	GIS & Spatial Modeling (I) (Waikoloa)	
1D	Application of Input-Output Analysis (Monterey)	
1E	Poverty, Gender, Race, & Discrimination (Las Vegas)	
2:00 PM—5:30 PM		
2A	Agriculture, Energy, & Economic Development (Palm Springs)	
2B	COVID-19: Shock, Recovery, and Sustainability (I) (Scottsdale)	
2C	Environmental Issues & Housing Market (Waikoloa)	
2D	Environmental Issues & Natural Resources (Monterey)	
5:30 PM—7:15 PM		
GOSA	The 8th Getis-Ord Lecture in Spatial Analysis (Las Vegas)	

Wednesday, 24 February

8:00 AM—11:30 AM		
3A	Rural Development Issues (Palm Springs)	
3B	COVID-19: Regional Economic Impact (Scottsdale)	
3C	GIS & Spatial Modeling (II) (Waikoloa)	
3D	Community Development Issues (Monterey)	
11:45 AM—1:45 PM		
AAC	WRSA Annual Award Ceremony - Presidential Address (Las Vegas)	
2:00 PM—5:30 PM		
4A	Population & Economic Development (I) (Palm Springs)	
4B	COVID-19: Shock, Recovery, and Sustainability (II) (Scottsdale)	
4C	Housing Market & Community Development (Waikoloa)	
4D	Environmental Issues & Disaster Management (Monterey)	
5:30 PM—7:00 PM		
PDW	Professional Development Workshop (Las Vegas)	

Thursday, 25 February

8:00 AM—11:30 AM		
5A	Local Public Finance & Regional Economy (Palm Springs)	
5B	Human Capital Investment & Innovation (Scottsdale)	
5C	Location & Economic Development (I) (Waikoloa)	
8:00 AM—1:00 PM		
5D	The Keith Schwer Memorial Western State Economic Outlook (Monterey)	
2:00 PM—5:30 PM		
6A	Population & Economic Development (II) (Palm Springs)	
6B	Urban Economic Theory & Models (Scottsdale)	
6C	Location & Economic Development (II) (Waikoloa)	
6D	Transportation & Spatial Mobility (Monterey)	

(All times are in Pacific Time of the U.S., GMT-8)

Monday, 22 February
(All times are in Pacific Time of the U.S., GMT-8)

8:00 AM—11:30 AM

TRSA Pre-conference TRSA ABC (Palm Springs)
<https://us02web.zoom.us/j/89283725663>

9:45 AM—10:00 AM

Coffee Break

11:30 AM—1:30 PM

BDM WRSA Board Meeting (by invitation only) (Scottsdale)
(For the link to the board meeting, please check your email.)

1:30 PM—3:00 PM

ES Editors Panel Discussion (Waikoloa)
<https://us02web.zoom.us/j/82851167116?pwd=bWNnVFF2NWxqS1ozUEtMYVpZVGxvdz09>

3:30 PM—5:15 PM

LGOS The 10th Annual Lay J. Gibson Opening Session (Monterey)
<https://us02web.zoom.us/j/88160798548>

===== Official Time Zone: U.S. Pacific (GMT-8) =====

Monday Feb 22, 8:00 AM—11:30 AM

Pre-conference The Regional Science Academy (TRSA) ~ Palm Springs

<https://us02web.zoom.us/j/89283725663>

Chair: Kingsley HAYNES, George Mason Univ., USA

8:00—8:05 **Opening + Welcome** Peter Batey (President TRSA), Univ. Liverpool, UK

Post-corona Mobility:

8:05—8:35 **COVID-19 as a Natural Experiment in Mobility Research**

Danny CZAMANSKI, Technion - Israel Institute of Technology, Israel, Danny BROITMAN, Technion - Israel Institute of Technology, Israel

Discussant: David PLANE, Univ. Arizona, USA

8:35—9:05 **Understanding mobility change in response to COVID 19: A Los Angeles case study**

Yongeng LU, Univ. Southern California, USA, Genevieve GIULIANO, Univ. Southern California, USA

Discussant: Peter ROGERSON, Univ. at Buffalo, USA

9:05—9:45 **Does Corona Impact Mobility Pattern: A Study on Sweden**

Marina TOGER, Uppsala Univ., Sweden, Karima KOURTIT, Open University, The Netherlands, Peter NIJKAMP, Open University, The Netherlands

Discussant: Bruce NEWBOLD, McMaster Univ., Canada

Coffee Break: 9:45–10:00

Great Minds in Regional Science:

10:00—10:35 **Great Minds in Regional Science: Alfred Weber**

Rick CHURCH, Univ. California, Santa Barbara, USA

10:35—11:10 **Great Minds in Regional Science: Corrado Gini**

Peter ROGERSON, Univ. at Buffalo, USA

11:10—11:30 **General Discussion + Synthesis** Peter Nijkamp, Open Univ., The Netherlands

Monday Feb 22, 11:30 AM—1:30 PM

WRSa Board Meeting (BDM) ~ Scottsdale (by invitation only)

Chair: Jaewon LIM, Univ. Nevada, Las Vegas, USA

Monday Feb 22, 1:30 PM—3:00 PM

Editors Panel Discussion (ES) ~ Waikoloa

<https://us02web.zoom.us/j/82851167116?pwd=bWNnVFF2NWxqS1ozUEtMYVpZVGxvdz09>

How to Publish in International Journals

Organizer & Chair: Janet E. KOHLHASE, Univ. of Houston, USA

The Annals of Regional Science:

Martin Andersson, Lund University, Sweden

Brian H.S. Kim, Seoul National University, Republic of Korea

Janet Kohlhase, University of Houston, USA

Journal of Regional Science:

Alessandra Faggian, Gran Sasso Science Institute, Italy

International Regional Science Review:

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Regional Science Policy & Practice:

Tomaz Dentinho, University of the Azores, Portugal

Neil Reid, University of Toledo, USA

Papers in Regional Science

Michael Lahr, Rutgers University, USA

International Journal of Urban Sciences:

Myunggu Kang, University of Seoul, Republic of Korea

Monday Feb 22, 3:30 PM—5:15 PM

The 10th Annual Lay J. Gibson Opening Session (LGOS) ~ Monterey

<https://us02web.zoom.us/j/88160798548>

Impacts of the Covid-19 Pandemic on the 2020 U.S. and 2021 Canadian Censuses and on North American Spatial Demographic/Economic Trends

Organizer & Chair: David PLANE, Univ. Arizona, USA

Marc J. PERRY, United States Census Bureau, USA

K. Bruce NEWBOLD, McMaster Univ., Canada

Peter A. ROGERSON, Univ. at Buffalo, USA

Mark BROWN, Stats Canada, Canada

Nicholas N. NAGLE, Univ. Tennessee, Knoxville, USA

Tuesday, 23 February
(All times are in Pacific Time of the U.S., GMT-8)

8:00 AM—11:30 AM

- 1A** Agriculture & Environmental Issues (Palm Springs)
<https://us02web.zoom.us/j/84723675317?pwd=Q3NEOXg5Q2FnS0I5S2hUK2hJSkRVUT09>
- 1B** COVID-19: Impact on Spatial Mobility (Scottsdale)
<https://us02web.zoom.us/j/84733901965>
- 1C** GIS & Spatial Modeling (I) (Waikoloa)
<https://us02web.zoom.us/j/88144798063>
- 1D** Application of Input-Output Analysis (Monterey)
<https://us02web.zoom.us/j/88573657272>
- 1E** Poverty, Gender, Race, & Discrimination (Las Vegas)
<https://us02web.zoom.us/j/82677910613>

9:30 AM—10:00 AM

Coffee Break (in each virtual meeting room)

2:00 PM—5:30 PM

- 2A** Agriculture, Energy, & Economic Development (Palm Springs)
<https://us02web.zoom.us/j/84723675317?pwd=Q3NEOXg5Q2FnS0I5S2hUK2hJSkRVUT09>
- 2B** COVID-19: Shock, Recovery, and Sustainability (I) (Scottsdale)
<https://us02web.zoom.us/j/84733901965>
- 2C** Environmental Issues & Housing Market (Waikoloa)
<https://us02web.zoom.us/j/88144798063>
- 2D** Environmental Issues & Natural Resources (Monterey)
<https://us02web.zoom.us/j/88573657272>

3:30 PM—4:00 PM

Coffee Break (in each virtual meeting room)

5:30 PM—7:15 PM

- GOSA** The 8th Getis-Ord Lecture in Spatial Analysis (Las Vegas)
<https://us02web.zoom.us/j/83298970524>

===== Official Time Zone: U.S. Pacific (GMT-8) =====

Tuesday Feb 23, 8:00 AM—11:30 AM

***Paper Session 1A ~ Palm Springs
Agriculture & Environmental Issues***

<https://us02web.zoom.us/j/84723675317?pwd=Q3NEOXg5Q2FnS0I5S2hUK2hJSkRVUT09>

Chair: Matt GNAGEY, Weber State Univ., USA

8:00—8:45

A Game-Theoretic Model of Water Theft During a Drought

Amit BATBYAL, Rochester Inst. Technology, USA, Hamid BELADI, Univ. Texas, San Antonio, USA

Discussant: Matt GNAGEY, Weber State Univ., USA

8:45—9:30

Temperature Changes and Pistachio Yield in California's Central Valley

Nyakundi MICHIEKA, California State Univ., Bakersfield, USA, Yiannis AMPATZIDIS, Univ. Florida, USA

Discussant: Bijeta Bijen SAHA, Univ. Florida, USA

Coffee Break: 9:30—10:00

10:00—10:45

The Impact of Climate Change on the International Trade and Production of Crops

Sandy DALL'ERBA, Univ. Illinois, Urbana-Champaign, USA, Andre CHAGAS, Sao Paulo State Univ., Brazil, William RIDLEY, Univ. Illinois, Urbana-Champaign, USA, Yilan XU, Univ. Illinois, Urbana-Champaign, USA, Lilin YUAN, Naikai Univ., China

Discussant: Sultana FOUZIA, Oregon State Univ., USA

10:45—11:30

The importance of virtual and rainwater to Brazil's chicken meat international trade

Maria GABRE TARDIN, Univ. Estadual de Maringá, Brazil, Marcia ISTAKE, Univ. Estadual de Maringá, Brazil, Carlos Roberto AZZONI, Univ. São Paulo, Brazil

Discussant: Jhorland AYALA GARCIA, Univ. Illinois, Urbana-Champaign, USA

Tuesday Feb 23, 8:00 AM—10:45 AM

***Paper Session 1B ~ Scottsdale
COVID-19: Impact on Spatial Mobility***

<https://us02web.zoom.us/j/84733901965>

Chair: Elizabeth MACK, Michigan State Univ., USA

8:00—8:45

Toward a Post-COVID Border: Constraints to re-establishing border fluidity in the waning days of the COVID-19 pandemic

Nathan HUTSON, Univ. North Texas, USA

Discussant: Gerlane ANDRADE, Federal Univ. Juiz de Fora, Brazil

8:45—9:30

Canadian's Attitudes Toward Immigration in the COVID-19 Era

Bruce NEWBOLD, McMaster Univ.

Discussant: Prottoy Aman AKBAR, Univ. Pittsburgh, USA

Coffee Break: 9:30—10:00

10:00—10:45

How has the COVID-19 pandemic affected people's mobility? A longitudinal study of the U.S. from March to September of 2020

Junghwan KIM, Univ. Illinois, Urbana-Champaign, USA, Mei-Po KWAN, Chinese Univ. of Hong Kong, China

Discussant: Umut TÜRK, Abdullah Gül Univ., Turkey

10:45—11:30

Spatial Interaction Models to Assess the Trade-off between Economy and Health. An application to the effects of Covid-19 in the regions of Portugal

Tomaz Ponce DENTINHO, Univ. Azores, Portugal

Discussant: Elizabeth MACK, Michigan State Univ., USA

Tuesday Feb 23, 8:00 AM—11:30 AM

***Paper Session 1C ~ Waikoloa
GIS & Spatial Modeling (I)***

<https://us02web.zoom.us/j/88144798063>

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

8:00—8:45

Effects of banking concentration on micro and small firms in Brazil

Tyago CARMO, Federal Univ. Bahia, Brazil, Gervasio F. SANTOS, Federal Univ. Bahia, Brazil

Discussant: Serge REY, Univ. California, Riverside, USA

8:45—9:30

Consumer Behavioral Choice in the Era of Shared Mobility: The Role of Proximity, Competition, and Quality

Daoqin TONG, Arizona State Univ., USA, Zhongju ZHANG, Arizona State Univ., USA, Wencong CUI, Texas A&M Univ., USA

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

Coffee Break: 9:30—10:00

10:00—10:45

Generating optimal and near-optimal solutions to facility location problems

Rick CHURCH, Univ. California, Santa Barbara, USA, Carlos BAEZ, Univ. California, Santa Barbara, USA

Discussant: Sandro MONTRESOR, Gran Sasso Science Inst., Italy

10:45—11:30

The Legacy of Redlining: A Spatial Dynamics Perspective

Serge REY, Univ. California, Riverside, USA, Elijah KNAAP, Univ. California, Riverside, USA

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

Tuesday Feb 23, 8:00 AM—11:30 AM

Paper Session 1D ~ Monterey

Application of Input-Output Analysis

<https://us02web.zoom.us/j/88573657272>

Chair: Michael LAHR, Rutgers Univ., USA

8:00—8:45

Identifying the atmospheric and economic key drivers of global air pollution change: an augmented-SDA approach

Sandy DALL'ERBA, Univ. Illinois, Urbana-Champaign, USA, Ran XU, Chinese Academy Sciences, China, Yao YU, Univ. Illinois,

Urbana-Champaign, USA, Nicole RIEMER, Univ. Illinois, Urbana-Champaign, USA, Yilan XU, Univ. Illinois, Urbana-Champaign, USA

Discussant: Ye YAO, Rutgers Univ., USA

8:45—9:30

Integrating the Internal and External Structure of Metropolitan Economies: Some Initial Explorations

Lei WANG, China Three Gorges Univ., China, Geoffrey HEWINGS, Univ. Illinois, Urbana-Champaign, USA

Discussant: Adriana PINATE, Gran Sasso Science Inst., Italy

Coffee Break: 9:30—10:00

10:00—10:45

Decomposing global value chain (GVC) income for world fisheries

Chang SEUNG, NOAA Fisheries, USA

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

10:45—11:30

Effects of wind energy input on the sectors of economic activity in the semiarid region of Bahia

Carolina RIBEIRO, Federal Univ. Bahia, Brazil, Gilca Garcia de OLIVEIRA, Federal Univ. Bahia, Brazil

Discussant: Michael LAHR, Rutgers Univ., USA

Tuesday Feb 23, 8:00 AM—11:30 AM

Paper Session 1E ~ Las Vegas

Poverty, Gender, Race, & Discrimination

<https://us02web.zoom.us/j/82677910613>

Chair: Yuri MANSURY, Illinois Inst. Technology, USA

8:00—8:45

~~**Coming out of the woods: Do local support services influence the propensity to report sexual violence?**~~

~~Daria DENTI, Gran Sasso Science Inst., Italy, Simona IAMMARINO, London School Economics & Political Science, UK~~ (canceled)

Discussant: Dylan JONG, Univ. Groningen, The Netherlands

8:45—9:30

Urban financial deserts and credit: Placed-based financial exclusion in the case of Los Angeles

Ian DUNHAM, San Francisco State Univ., USA

Discussant: Marie WAHLSTRÖM, KTH Royal Inst. Technology, Sweden

Coffee Break: 9:30—10:00

10:00—10:45

Commodity prices and local housing market

Jiaochen LIANG, California State Univ., Fresno, USA, Qin FAN, California State Univ., Fresno, USA, Yong HU, Zhejiang Gongshang Univ., China

Discussant: Yuri MANSURY, Illinois Inst. Technology, USA

10:45—11:30

The juridical efficiency and effects on the cost of credit for micro and small firms in Brazil: One analysis from power market of banks

Tyago CARMO, Federal Univ. Bahia, Brazil, Gervasio F. SANTOS, Federal Univ. Bahia, Brazil

Discussant: Giulia URSO, Gran Sasso Science Inst., Italy

===== Official Time Zone: U.S. Pacific (GMT-8) =====

Tuesday Feb 23, 2:00 PM—5:30 PM

**Paper Session 2A ~ Palm Springs
Agriculture, Energy, & Economic Development**

<https://us02web.zoom.us/j/84723675317?pwd=Q3NEOXg5Q2FnS0I5S2hUK2hJSkRVUT09>

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

2:00—2:45

Regional Revitalization: The Patriot Effect and National Branding in a Small Country

Toshiaki TAKITA, Yamagata Univ., Japan, Lu WANG, Jiangsu Sheyang Rural Commercial Bank Ltd., China, Yichao ZHANG, OGM Ltd., Japan

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

2:45—3:30

Los Angeles 100% Renewable Energy Study

Harvey CUTLER, Colorado State Univ., USA, Adam ROSE, Univ. Southern California, USA, Martin SHIELDS, Colorado State Univ., USA, Dan WEI, Univ. Southern California, USA

Discussant: Soomi LEE, Univ. La Verne, USA

Coffee Break: 3:30—4:00

4:00—4:45

Micro- and Macro-Level Investigations of the Impacts of Transportation Infrastructure on Farm Income in South Korea, 2005-2015

Eunji CHOI, Seoul National Univ., Republic of Korea

Discussant: Sandy DALL'ERBA, Univ. Illinois, Urbana-Champaign, USA

4:45—5:30

Land consolidation and farm production: A difference-in-differences approach with plot exchange in two provinces of Vietnam

THU VU, Hiroshima Univ., Japan, Duc TRAN, Hiroshima Univ., Japan, Daisaku GOTO, Hiroshima Univ., Japan

Discussant: Noe NAVA, Univ. Illinois, Urbana-Champaign, USA

Tuesday Feb 23, 2:00 PM—5:30 PM

**Paper Session 2B ~ Scottsdale
COVID-19: Shock, Recovery, and Sustainability (I)**

<https://us02web.zoom.us/j/84733901965>

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

2:00—2:45

The effect of the synchronized multi-dimensional policies on imported COVID-19 curtailment in China

Zhenhua CHEN, Ohio State Univ., USA, Meng YU, Ohio State Univ., USA, Lei ZHOU, Shanghai Maritime Univ., China

Discussant: Jiwon LEE, Seoul National Univ., Republic of Korea

2:45—3:30

Health Interventions in a Poor Region and Resilience in the Presence of a Pandemic

Amit BATARYAL, Rochester Inst. Technology, USA, Hamid BELADI, Univ. Texas, San Antonio, USA

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

Coffee Break: 3:30—4:00

4:00—4:30

A modeling study of the effect of social distancing policies on the spread of coronavirus disease 2019: a case of South Korea

Moon-Hyun KIM, Seoul National Univ., Republic of Korea, Jiwon LEE, Seoul National Univ., Republic of Korea, Hee-Jin OH, Seoul National Univ., Republic of Korea, Tsolmon BAYARSAIKHAN, Seoul National Univ., Republic of Korea, Tae-Hyoung Tommy GIM, Seoul National Univ., Republic of Korea

Discussant: Kingsley HAYNES, George Mason Univ., USA

4:30—5:00

Economic Losses of COVID 19 in Regional Economies: an Application of Spatial Computable General Equilibrium Model for South Korea

Euijune KIM, Seoul National Univ., Republic of Korea, Dongyeong JIN, Seoul National Univ., Republic of Korea, Hojune LEE, Seoul National Univ., Republic of Korea, MIN JIANG, Seoul National Univ., Republic of Korea,

Discussant: Abu Bakkar SIDDIQUE, George Mason Univ., USA

5:00—5:30

The Effects of Trade on the Gains from Variety of Imported Intermediate Inputs in Korea's Food Manufacturing: FTAs and COVID-19

SOON CHOI, Seoul National Univ., Republic of Korea, Hanho KIM, Seoul National Univ., Republic of Korea

Discussant: Keisuke KONDO, Research Inst. Economy, Trade and Industry, Japan

===== Official Time Zone: U.S. Pacific (GMT-8) =====

Tuesday Feb 23, 2:00 PM—4:45 PM

Paper Session 2C ~ Waikoloa

Environmental Issues & Housing Market

<https://us02web.zoom.us/j/88144798063>

Chair: Yasuhide OKUYAMA, Univ. Kitakushu, Japan

2:00—2:45

Estimating the premium for unmetered irrigation water

Matt GNAGEY, Weber State Univ., USA

Discussant: Maria GABRE TARDIN, Univ. Estadual de Maringá, Brazil

2:45—3:30

Rental Affordability in the Wake of Natural Disasters

Seva RODNYANSKY, Occidental College, USA, Brian Y. AN, Georgia Inst. Technology, USA, Andrew JAKABOVICS, Enterprise Community Partners, USA, Anthony W. ORLANDO, California Polytechnic State Univ., Pomona, USA, Raphael W. BOSTIC, Federal Reserve Bank, Atlanta, USA

Discussant: Yasuhide OKUYAMA, Univ. Kitakushu, Japan

Coffee Break: 3:30—4:00

4:00—4:45

Impacts of Air Pollution on Urban Housing Prices in China

Yifu OU, Univ. Hong Kong, China, Kyung-Min NAM, Univ. Hong Kong, China, Siqi ZHENG, Massachusetts Inst. Technology, USA

Discussant: Yougeng LU, Univ. Southern California, USA

Tuesday Feb 23, 2:00 PM—5:30 PM

Paper Session 2D ~ Monterey

Environmental Issues & Natural Resources

<https://us02web.zoom.us/j/88573657272>

Chair: Christa COURT, Univ. Florida, USA

2:00—2:45

The welfare effects of the climate-related disaster: Evidence from the US counties

Sultana FOUZIA, Oregon State Univ., USA

Discussant: Chang SEUNG, NOAA Fisheries, USA

2:45—3:30

Impact of the Florida Red Tide Events on Recreational Fishing in the Western Florida

Bijeta Bijen SAHA, Univ. Florida, USA

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

Coffee Break: 3:30—4:00

4:00—4:45

Carbon Tax Assessment for Hawaii: Economic and GHG Impacts

Makena COFFMAN, Univ. Hawaii, Manoa, USA, Paul BERNSTEIN, Univ. Hawaii, Manoa, USA, Paul BERNSTEIN, Univ. Hawaii, Manoa, USA, Paul BERNSTEIN, Univ. Hawaii, Manoa, USA, Sherilyn HAYASHIDA, Univ. Hawaii, Manoa, USA

Discussant: Carolina RIBEIRO, Federal Univ. Bahia, Brazil

4:45—5:30

The Geography of Freight-related Accidents in the Era of E-Commerce: Evidence from the Los Angeles Metropolitan Area

Chao YANG, Tongji Univ., China, Mingyang CHEN, Tongji Univ., China, Quan YUAN, Tongji Univ., China

Discussant: Christa COURT, Univ. Florida, USA

Tuesday Feb 23, 5:30 PM—7:15 PM

The 8th Getis-Ord Lecture in Spatial Analysis (GOSA) ~ Las Vegas

<https://us02web.zoom.us/j/83298970524>

Chair: Arthur GETIS, San Diego State Univ., USA

Extreme Digital Transformation in Spatial Analysis and Modeling

Shaowen WANG, Univ. Illinois, Urbana-Champaign, USA

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

Wednesday, 24 February
(All times are in Pacific Time of the U.S., GMT-8)

8:00 AM—11:30 AM

- 3A** Rural Development Issues (Palm Springs)
<https://us02web.zoom.us/j/84649237378>
- 3B** COVID-19: Regional Economic Impact (Scottsdale)
<https://us02web.zoom.us/j/85397688410>
- 3C** GIS & Spatial Modeling (II) (Waikoloa)
<https://us02web.zoom.us/j/85820217422?pwd=TlpCbVNwcXErR2oxNUFtRTlTeHNRZz09>
- 3D** Community Development Issues (Monterey)
<https://us02web.zoom.us/j/83259682223>

9:30 AM—10:00 AM

Coffee Break (in each virtual meeting room)

11:45 AM—1:45 PM

- AAC** WRSA Annual Award Ceremony - Presidential Address (Las Vegas)
<https://us02web.zoom.us/j/88305408223>

2:00 PM—5:30 PM

- 4A** Population & Economic Development (I) (Palm Springs)
<https://us02web.zoom.us/j/84649237378>
- 4B** COVID-19: Shock, Recovery, and Sustainability (II) (Scottsdale)
<https://us02web.zoom.us/j/85397688410>
- 4C** Housing Market & Community Development (Waikoloa)
<https://us02web.zoom.us/j/85820217422?pwd=TlpCbVNwcXErR2oxNUFtRTlTeHNRZz09>
- 4D** Environmental Issues & Disaster Management (Monterey)
<https://us02web.zoom.us/j/83259682223>

3:30 PM—4:00 PM

Coffee Break (in each virtual meeting room)

5:30 PM—7:00 PM

- PDW** Professional Development Workshop (Las Vegas)
<https://us02web.zoom.us/j/85353207872>

===== Official Time Zone: U.S. Pacific (GMT-8) =====

Wednesday Feb 24, 8:00 AM—11:30 AM

Paper Session 3A ~ Palm Springs

Rural Development Issues

<https://us02web.zoom.us/j/84649237378>

Chair: Donghwan AN, Seoul National Univ., Republic of Korea

8:00—8:45

Determinants of return migration -- Evidence from event history analyses with a special focus on rural areas in Germany

Anja ROSSEN, Inst. Employment Research (IAB), Germany, Cornelius PETERS, Thuenen Inst., Gemmary, Moritz MEISTER, Inst. Employment Research (IAB), Germany

Discussant: Donghwan AN, Seoul National Univ., Republic of Korea

8:45—9:30

Land Tenure and Children's Health: Evidence from China

Li (Kerry) FANG, Florida State Univ., USA, Chuanhao TIAN, Zhejiang Univ., China

Discussant: Janet E. KOHLHASE, Univ. of Houston, USA

Coffee Break: 9:30—10:00

10:00—10:45

The Impact of Commercial Air Service on Rural Communities: An Instrumental Variables Approach

Amanda ROSS, Univ. Alabama, USA, Christopher YENCHU, Bradley Univ., USA

Discussant: Tschangho John KIM, Univ. Illinois, Urbana-Champaign & George Mason Univ., USA

10:45—11:30

Who benefits from local agriculture?

Noe NAVA, Univ. Illinois, Urbana-Champaign, USA, William RIDLEY, Univ. Illinois, Urbana-Champaign, USA, Sandy DALL'ERBA, Univ. Illinois, Urbana-Champaign, USA

Discussant: R. Pete PARCELLS, Whitman College, USA

Wednesday Feb 24, 8:00 AM—11:30 AM

Paper Session 3B ~ Scottsdale

COVID-19: Regional Economic Impact

<https://us02web.zoom.us/j/85397688410>

Chair: Timothy SLAPER, Indiana Univ., USA

8:00—8:45

Corona Pandemic Impacts on Urban Hospitality Markets – A Space-Time Roller-coaster Analysis of the Airbnb Sector in Global Cities

Karima KOURTIT, Open Univ., The Netherlands, Peter NIJKAMP, Open Univ., The Netherlands, John ÖSTH, Uppsala Univ., Sweden, Umut TÜRK, Abdullah Gül Univ., Turkey

Discussant: Tae-Hyoung Tommy GIM, Seoul National Univ., Republic of Korea

8:45—9:30

How Regional Economic Structure Matters in the Era of COVID-19: Resilience Capacity of U.S. states

Ayoung KIM, Mississippi State Univ., USA, Jaewon LIM, Univ. Nevada, Las Vegas, USA, Aaron COLLETTA, Univ. Nevada, Las Vegas, USA

Discussant: Timothy SLAPER, Indiana Univ., USA

Coffee Break: 9:30—10:00

10:00—10:45

Impact of Poverty on COVID-19 Infections and Fatalities: A Regional Perspective

Abu Bakkar SIDDIQUE, George Mason Univ., USA, Kingsley HAYNES, George Mason Univ., USA, Rajendra KULKARNI, George Mason Univ., USA, Meng-hao LI, George Mason Univ., USA

Discussant: Nathan HUTSON, Univ. North Texas, USA

10:45—11:30

Business cycle and uncertainties: evaluating the behavior of the automotive industry towards the pandemic crisis of COVID -19 in Brazil

Gerlane ANDRADE, Federal Univ. Juiz de Fora, Brazil, Admir Antonio BETARELLI JUNIOR, Federal Univ. Juiz de Fora, Brazil, Carlos Alberto Gonçalves SILVA, State Univ. Rio de Janeiro, Brazil, Weslem Rodrigues FARIA, Federal Univ. Juiz de For a, Brazil

Discussant: Junghwan KIM, Univ. Illinois, Urbana-Champaign, USA

===== Official Time Zone: U.S. Pacific (GMT-8) =====

Wednesday Feb 24, 8:00 AM—11:30 AM

Paper Session 3C ~ Waikoloa

GIS & Spatial Modeling (II)

<https://us02web.zoom.us/j/85820217422?pwd=UlpCbVNwcXErR2oxNUFtRTlTeHNRZz09>

Chair: Keith WATERS, George Mason Univ., USA

8:00—8:45

On the dynamics of patient migration flows: Is efficiency performance explaining inflows for neighboring hospitals? An application to the Ecuadorian healthcare system

Juan PIEDRA PEÑA, Univ. Autònoma de Barcelona, Spain

Discussant: Keith WATERS, George Mason Univ., USA

8:45—9:30

Comparative Spatial Segregation Analytics

Serge REY, Univ. California, Riverside, USA, Renan CORTES, Univ. California, Riverside, USA, Elijah KNAAP, Univ. California, Riverside, USA

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

Coffee Break: 9:30—10:00

10:00—10:45

Facilitated Access to Spatial Analytics

Alan MURRAY, Univ. California, Santa Barbara, USA

Discussant: Elijah KNAAP, Univ. California, Riverside, USA

10:45—11:30

Decoding urban landscapes: Google Street View and measurement sensitivity

Jae Hong KIM, Univ. California, Irvine, USA, Sugie LEE, Hanyang Univ., Republic of Korea, John R. HIPPE, Univ. California, Irvine, USA, Dong Hwan KI, Hanyang Univ., Republic of Korea

Discussant: Tyago CARMO, Federal Univ. Bahia, Brazil

Wednesday Feb 24, 8:00 AM—11:30 AM

Paper Session 3D ~ Monterey

Community Development Issues

<https://us02web.zoom.us/j/83259682223>

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

8:00—8:45

Migration and Innovation: measuring the effect of skill-specific flows on patents, trademarks and designs across Italian provinces

Adriana PINATE, Gran Sasso Science Inst., Italy, Alessandra FAGGIAN, Gran Sasso Science Inst., Italy, Claudio DI BERARDINO, G. d'Annunzio Univ., Italy

Discussant: YIFEI SUN, California State Univ., Northridge, USA

8:45—9:30

Trading Places: Entrepreneurs and Local Government Official in Supporting Rural Venturing

Hans WESTLUND, KTH Royal Inst. Technology, Sweden, Lucia NALDI, Jonkoping International Business School, Sweden, Marcela RAMIREZ-PASILLAS, Jonkoping International Business School, Sweden

Discussant: Keunwon SONG, George Mason Univ., USA

Coffee Break: 9:30—10:00

10:00—10:45

Discontent in the "peripheries": An investigation of the rise of populism in Italy

Giulia URSO, Gran Sasso Science Inst., Italy, Alessandra FAGGIAN, Gran Sasso Science Inst., Italy, Alessandro PALMA, Gran Sasso Science Inst., Italy

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

10:45—11:30

Urban Containment in the United States: The Evolution and Future of an Enduring Policy Concept

John CARRUTHERS, Cornell Univ., USA, Hanxue WEI, Cornell Univ., USA

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

Wednesday Feb 24, 11:45 AM—1:45 PM

WRSA Annual Award Ceremony (AAC) ~ Las Vegas

<https://us02web.zoom.us/j/88305408223>

Chair: Janet E. KOHLHASE, Univ. of Houston, USA – 61st President of WRSA

Presidential Address:

Regional Science: what about disruption and resilience?

Rick CHURCH, Univ. California, Santa Barbara, USA – 62nd President of WRSA

Discussant: Adam ROSE, Univ. Southern California, USA

===== Official Time Zone: U.S. Pacific (GMT-8) =====

Wednesday Feb 24, 2:00 PM—5:30 PM

**Paper Session 4A ~ Palm Springs
Population & Economic Development (I)**

<https://us02web.zoom.us/j/84649237378>

Chair: Bruce NEWBOLD, McMaster Univ., Canada

2:00—2:45

Assessing the vulnerability of remittance networks to geopolitical shocks

Elizabeth MACK, Michigan State Univ., USA, Geoffrey M. HENEBRY, Michigan State Univ., USA

Discussant: Bruce NEWBOLD, McMaster Univ., Canada

2:45—3:30

Analysis of selection factors for foreign residents in Honam area (South Korea)

Kiseok SONG, Chonnam National Univ., Republic of Korea

Discussant: Marian MANIC, Whitman College, USA

Coffee Break: 3:30—4:00

4:00—4:45

Natural Amenities and Skill Sorting in Rural Communities: A Case Study of Land Conservation Policy

Yong CHEN, Oregon State Univ., USA, David LEWIS, Oregon State Univ., USA, Bruce WEBER, Oregon State Univ. USA

Discussant: Mark BROWN, Statistics Canada, Canada

4:45—5:30

Measuring the Impacts of Two Child Policy on Production and Consumption in China using a Recursive CGE Model

MIN JIANG, Seoul National Univ. Republic of Korea

Discussant: Rafael GARDUÑO-RIVERA, Univ. Panamericana, Mexico

Wednesday Feb 24, 2:00 PM—5:30 PM

**Paper Session 4B ~ Scottsdale
COVID-19: Shock, Recovery, and Sustainability (II)**

<https://us02web.zoom.us/j/85397688410>

Chair: Tae-Hyoung Tommy GIM, Seoul National Univ., Republic of Korea

2:00—2:45

Modeling Region Based Regimes for Covid-19 Mitigation: Inverse Gompertz function fitting to the Cumulative Confirmed Coronavirus infections in the U.S., New York and New Jersey - Spring 2020

Kingsley HAYNES, George Mason Univ., USA

Discussant: Hee-Jin OH, Seoul National Univ., Republic of Korea

2:45—3:30

Small Business and the COVID-19 Pandemic: The Role of Work from Home

Ting ZHANG, Univ. Baltimore, USA, Dan GERLOWSKI, Univ. Baltimore, USA, Zoltan ACS, George Mason Univ., USA

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

Coffee Break: 3:30—4:00

4:00—4:30

The impact of the visiting urban places on the risk perception of Coronavirus Disease 2019

Jiwon LEE, Seoul National Univ., Republic of Korea, Moon-Hyun KIM, Seoul National Univ., Republic of Korea, Hee-Jin OH, Seoul National Univ., Republic of Korea, Tsolmon BAYARSAIKHAN, Seoul National Univ., Republic of Korea, Tae-Hyoung Tommy GIM, Seoul National Univ., Republic of Korea

Discussant: Zhenhua CHEN, Ohio State Univ., USA

4:30—5:00

Compact Urban Form in Post-COVID-19 Era? - Subway Ridership Variations in Seoul & New York City

Daeyoung KWON, Seoul National Univ., Republic of Korea, Sung Eun Sally OH, Seoul National Univ., Republic of Korea, Brian H.S. KIM, Seoul National Univ., Republic of Korea

Discussant: Genevieve GIULIANO, Univ. Southern California, USA

5:00—5:30

COVID Blue Among Us: The Association of Built Environment, Physical Activity, and Mental Health during the COVID-19 in Shanghai and Seoul

Hyunghul CHUNG, Xi'an Jiaotong-Liverpool Univ., China, Yunmi PARK, Ewha Womans Univ., Republic of Korea, Jaekyung LEE, Hongik Univ., Republic of Korea, Jiwon LEE, Seoul National Univ., Republic of Korea, Moon-Hyun KIM, Seoul National Univ., Republic of Korea, Tsolmon BAYARSAIKHAN, Seoul National Univ., Republic of Korea, Hee-Jin OH, Seoul National Univ., Republic of Korea, Tae-Hyoung Tommy GIM, Seoul National Univ., Republic of Korea

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

===== Official Time Zone: U.S. Pacific (GMT-8) =====

Wednesday Feb 24, 2:00 PM—5:30 PM

Paper Session 4C ~ Waikoloa

Housing Market & Community Development

<https://us02web.zoom.us/j/85820217422?pwd=UlpCbVNwcXErR2oxNUFtRTlTeHNRZz09>

Chair: John CARRUTHERS, Cornell Univ., USA

2:00—2:45

Do Land Use Regulations Help Give Rise to Informal Settlements? Evidence from Buenos Aires

Eric J. HEIKKILA, Univ. Southern California, USA, Cynthia GOYTIA, Univ. Torcuato Di Tella, Argentina, Ricardo PASQUINI, Univ. Torcuato Di Tella, Argentina

Discussant: Juan Carlos LOPEZ, Univ. Denver, USA

2:45—3:30

Do cities exclude? An analysis of ethnoracial segregation at municipal boundaries

Andre COMANDON, Univ. Southern California, USA

Discussant: Seva RODNYANSKY, Occidental College, USA

Coffee Break: 3:30—4:00

4:00—4:45

Opening Gated Communities and Neighborhood Accessibility Benefits: The Case of Seoul, Korea

Omer DOGAN, Hanyang Univ., Republic of Korea, Jaewon HAN, Hanyang Univ., Republic of Korea, Sugie LEE, Hanyang Univ., Republic of Korea

Discussant: Jiaochen LIANG, California State Univ., Fresno, USA

4:45—5:30

Will increasing housing supply reduce urban inequality?

Juan Carlos LOPEZ, Univ. Denver, USA

Discussant: John CARRUTHERS, Cornell Univ., USA

Wednesday Feb 24, 2:00 PM—5:30 PM

Paper Session 4D ~ Monterey

Environmental Issues & Disaster Management

<https://us02web.zoom.us/j/83259682223>

Chair: Adam ROSE, Univ. Southern California, USA

2:00—2:45

The impact of disaster risk reduction investment on natural disasters

Jhorland AYALA GARCIA, Univ. Illinois, Urbana-Champaign, USA, Sandy DALL'ERBA, Univ. Illinois, Urbana-Champaign, USA

Discussant: Dan WEI, Univ. Southern California, USA

2:45—3:30

The Structural Analysis of Virtual Social Capital for Urban Resilience in a Metropolitan Area

Kiyomi KAWAMOTO, Toyo Univ., Japan, Sutee ANANTSUKSOMSRI, Chulalongkorn Univ., Thailand, Nij TONTISIRIN, Thammasat Univ., Thailand, Eric Y. YAMASHITA, Univ. Hawaii, Manoa, USA

Discussant: Adam ROSE, Univ. Southern California, USA

Coffee Break: 3:30—4:00

4:00—4:45

Many faces of structural change: Case study on the 1995 Kobe earthquake

Yasuhide OKUYAMA, Univ. Kitakushu, Japan

Discussant: Ian DUNHAM, San Francisco State Univ., USA

4:45—5:30

Impacts of China's Emissions Trading Scheme on the National and Hong Kong Economies: A Dynamic Computable General Equilibrium Analysis

Yue WANG, New Zealand Forest Research Inst. (Scion), New Zealand, Niven WINCHESTER, Auckland Univ. Technology, New Zealand, Christopher J. WEBSTER, Univ. Hong Kong, China, Kyung-Min NAM, Univ. Hong Kong, China

Discussant: Harvey CUTLER, Colorado State Univ., USA

Wednesday Feb 24, 5:30 PM—7:00 PM

Professional Development Workshop (PDW) ~ Las Vegas

<https://us02web.zoom.us/j/85353207872>

Organizer & Chair: Sandy DALL'ERBA, Univ. Illinois, Urbana-Champaign, USA

Elizabeth MACK, Michigan State Univ., USA

Daoqin TONG, Arizona State Univ., USA

Jaewon LIM, Univ. Nevada, Las Vegas, USA

Thursday, 25 February
(All times are in Pacific Time of the U.S., GMT-8)

8:00 AM—11:30 AM

5A Local Public Finance & Regional Economy (Palm Springs)
<https://us02web.zoom.us/j/87438907843>

5B Human Capital Investment & Innovation (Scottsdale)
<https://us02web.zoom.us/j/82961515546>

5C Location & Economic Development (I) (Waikoloa)
<https://us02web.zoom.us/j/81705895704>

8:00 AM—1:00 PM

5D The Keith Schwer Memorial Western State Economic Outlook (Monterey)
<https://us02web.zoom.us/j/86358579109>

9:30 AM—10:00 AM

Coffee Break (in each virtual meeting room)

2:00 PM—5:30 PM

6A Population & Economic Development (II) (Palm Springs)
<https://us02web.zoom.us/j/87438907843>

6B Urban Economic Theory & Models (Scottsdale)
<https://us02web.zoom.us/j/82961515546>

6C Location & Economic Development (II) (Waikoloa)
<https://us02web.zoom.us/j/81705895704>

6D Transportation & Spatial Mobility (Monterey)
<https://us02web.zoom.us/j/86358579109>

3:30 PM—4:00 PM

Coffee Break (in each virtual meeting room)

===== Official Time Zone: U.S. Pacific (GMT-8) =====

Thursday Feb 25, 8:00 AM—11:30 AM
Paper Session 5A ~ Palm Springs
Local Public Finance & Regional Economy
<https://us02web.zoom.us/j/87438907843>
Chair: Soomi LEE, Univ. La Verne, USA

8:00—8:45

Decomposing the local public fiscal response to resource windfalls

Dylan JONG, Univ. Groningen, The Netherlands, Steven CRAIG, Univ. Houston, USA

Discussant: Ting ZHANG, Univ. Baltimore, USA

8:45—9:30

Expenditure Smoothing with Balanced Budget Rules: U.S. State Governments

Steven CRAIG, Univ. Houston, USA, Xavier M. BAUTISTA, Univ. Houston, USA, Yuhsin HSU, Univ. Houston, USA, Bent E.

SORENSEN, Univ. Houston, USA, Vasundhara TANWAR, Univ. Houston, USA, Priyam VERMA, Univ. Houston, USA

Discussant: Soomi LEE, Univ. La Verne, USA

Coffee Break: 9:30—10:00

10:00—10:45

A CGE Analysis of Philadelphia's Beverage Tax: Funding Child Daycare for Low-Income Families

Ye YAO, Rutgers Univ., USA, Michael LAHR, Rutgers Univ., USA

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

Thursday Feb 25, 8:00 AM—11:30 AM

Paper Session 5B ~ Scottsdale

Human Capital Investment & Innovation

<https://us02web.zoom.us/j/82961515546>

Chair: Isha RAJBHANDARI, Univ. Puget Sound, USA

8:00—8:45

A Structural Equation Model for Place-based City Love: An Application to Swedish Cities

Marie WAHLSTRÖM, KTH Royal Inst. Technology, Sweden, Bart NEUTS, Univ. Leuven, Belgium, Karima KOURTIT, Open Univ., The Netherlands, Peter NIJKAMP, Open Univ., The Netherlands

Discussant: Yuri MANSURY, Illinois Inst. Technology, USA

8:45—9:30

Machine Learning in Quality of Life Studies

Peter NIJKAMP, Open Univ., The Netherlands, Karima KOURTIT, Open Univ., The Netherlands, Pui-hang WONG, UNU-MERIT, The Netherlands, Mehmet Güney CELBIS, Yeditepe Univ. & UNU-MERIT, Turkey

Discussant: Amit BATBYAL, Rochester Inst. Technology, USA

Coffee Break: 9:30—10:00

10:00—10:45

Universities, Socioeconomic Standards and Inclusion Policies: Assessing the Effects on the Performance of Brazilian Undergraduates

Ana Maria MORAIS, Federal Univ. Juiz de Fora, Brazil, Admir Antonio BETARELLI JUNIOR, Federal Univ. Juiz de Fora, Brazil,

Silvinha Pinto VASCONCELOS, Federal Univ. Juiz de Fora, Brazil, Marcel de Toledo VIEIRA, Federal Univ. Juiz de Fora, Brazil

Discussant: Isha RAJBHANDARI, Univ. Puget Sound, USA

10:45—11:30

STEM Talent Agglomeration in U.S. Superstar Cities

Marian MANIC, Whitman College, USA, Douglas WOODWARD, Univ. South Carolina, USA, Paulo GUIMARAES, Bank of Portugal, Portugal, Joseph VON NESSEN, Univ. South Carolina, USA

Discussant: Seunghoon OH, Univ. Cincinnati, USA

Thursday Feb 25, 8:00 AM—11:30 AM

Paper Session 5C ~ Waikoloa

Location & Economic Development (I)

<https://us02web.zoom.us/j/81705895704>

Chair: Neil REID, Univ. Toledo, USA

8:00—8:45

Distant but vibrant places. Local determinants of adaptability capacity to peripherality

Alessandra DE RENZIS, Gran Sasso Science Inst., Italy, Giulia URSO, Gran Sasso Science Inst., Italy, Alessandra FAGGIAN, Gran Sasso Science Inst., Italy

Discussant: Anja ROSSEN, Inst. Employment Research (IAB), Germany

8:45—9:30

Regional artificial intelligence and the geography of environmental technologies: Does the digital transformation meet the green transition?

Gloria CICERONE, Gran Sasso Science Inst., Italy, Alessandra FAGGIAN, Gran Sasso Science Inst., Italy, Sandro MONTRESOR, Gran Sasso Science Inst., Italy, Francesco RENTOCCHINI, Univ. Milan, Italy

Discussant: Neil REID, Univ. Toledo, USA

Coffee Break: 9:30—10:00

10:00—10:45

How cultural and creative industries affect wealth in the European Union's Regions

Michel DIMOU, Univ. Toulon, France, Alexandra SCHAFFAR, Paris Dauphine Univ., France, Brice BAROIS, Univ. Toulon, France

Discussant: Andre COMANDON, Univ. Southern California, USA

10:45—11:30

The Implications of State Business Incentives on Startups and Incumbent Firms

Keunwon SONG, George Mason Univ., USA

Discussant: Terry CLOWER, George Mason Univ., USA

Thursday Feb 25, 8:00 AM—1:00 PM

Paper Session 5D ~ Monterey

The Keith Schwer Memorial Western State Economic Outlook

<https://us02web.zoom.us/j/86358579109>

Chair: Richard WOBBEKIND, Univ. Colorado, Boulder

8:00 AM—10:00 AM

Arizona George HAMMOND, Univ. Arizona, USA

California Raymond SFEIR, Chapman Univ., USA

Colorado Richard WOBBEKIND, Univ. Colorado, Boulder, USA

Hawaii Peter FULEKY, Univ. Hawaii at Manoa, USA

Coffee Break: 10:00—10:30

10:30 AM—1:00 PM

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

Montana Patrick BARKEY, Univ. Montana, USA

Nevada Stephen MILLER, Univ. Nevada, Las Vegas, USA

Utah Juliette TENNERT, Univ. Utah, USA

Washington R. Pete PARCELLS, Whitman College, USA

Thursday Feb 25, 2:00 PM—5:30 PM

Paper Session 6A ~ Palm Springs

Population & Economic Development (II)

<https://us02web.zoom.us/j/87438907843>

Chair: Mark BROWN, Statistics Canada, Canada

2:00—2:45

Effect of Tariff Liberalization on Mexico's Income Distribution in the presence of Migration

Kathy BAYLIS, Univ. California, Santa Barbara, USA, Mary ARENDS-KUENNING, Univ. Illinois, Urbana-Champaign, USA, Rafael GARDUÑO-RIVERA, Univ. Panamericana, Mexico

Discussant: MIN JIANG, Seoul National Univ., Republic of Korea

2:45—3:30

Measuring the Impacts of Retirement Age Extension on Economic Growth and Youth Unemployment in China using a Recursive CGE model

MIN JIANG, Seoul National Univ., Republic of Korea, Euijune KIM, Seoul National Univ., Republic of Korea

Discussant: Yong CHEN, Oregon State Univ., USA

Coffee Break: 3:30—4:00

4:00—4:45

Boomtowns and Occupations: Types of Jobs created by Shale Gas Boom

Isha RAJBHANDARI, Univ. Puget Sound, USA, Alessandra FAGGIAN, Gran Sasso Science Inst., Italy, Mark PARTRIDGE, Ohio State Univ., USA

Discussant: Ana Maria MORAIS, Federal Univ. Juiz de Fora, Brazil

4:45—5:30

Can Social Capital Improve the Quality of Life Satisfaction for the Old Adults? Focusing on the 2016 Quality of Life Survey in Gyeonggi Province, Korea.

Jaewon HAN, Hanyang Univ., Republic of Korea, Sugie LEE, Hanyang Univ., Republic of Korea, Youngsun KWON, Hanyang Univ., Republic of Korea

Discussant: Kiyomi KAWAMOTO, Toyo Univ., Japan

===== Official Time Zone: U.S. Pacific (GMT-8) =====

Thursday Feb 25, 2:00 PM—5:30 PM

Paper Session 6B ~ Scottsdale

Urban Economic Theory & Models

<https://us02web.zoom.us/j/82961515546>

Chair: Makena COFFMAN, Univ. Hawaii, Manoa, USA

2:00—2:45

Urban wage premium in a labor market with informality

Eloiza ALMEIDA, Federal Univ. São Paulo, Brazil, Veneziano C. ARAUJO, Federal Univ. São Paulo, Brazil, Solange L. GONÇALVES, Federal Univ. São Paulo, Brazil

Discussant: Jack OSMAN, San Francisco State Univ., USA

2:45—3:30

The 'People's Turn' and Agency, Actors, and Actions ('3As'): A New Framework for Research on Urban and Regional Economic Development

YIFEI SUN, California State Univ., Northridge, USA

Discussant: Li (Kerry) FANG, Florida State Univ., USA

Coffee Break: 3:30—4:00

4:00—4:45

Inclusive Economic Resilience after the Great Recession: Focusing on Political Fragmentation in American Metropolitan Areas

Soomi LEE, Univ. La Verne, USA, Shu WANG, Michigan State Univ., USA

Discussant: Yifu OU, Univ. Hong Kong, China

4:45—5:30

Disutility of commuting and structural estimation

Keisuke KONDO, Research Inst. Economy, Trade and Industry, Japan

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

Thursday Feb 25, 2:00 PM—5:30 PM

Paper Session 6C ~ Waikoloa

Location & Economic Development (II)

<https://us02web.zoom.us/j/81705895704>

Chair: David PLANE, Univ. Arizona, USA

2:00—2:45

Skills-Approximate Occupations: Using Networks to Guide Jobs Retraining

Keith WATERS, George Mason Univ., USA, Shade SHUTTERS, Arizona State Univ., USA

Discussant: David PLANE, Univ. Arizona, USA

2:45—3:30

Is Past Performance an Indicator of Future Regional Industrial Evolution? Performance Pre- and Post-Great Recession and Regional Characteristics

Timothy SLAPER, Indiana Univ., USA, Riley ZIPPER, Indiana Univ., USA

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

Coffee Break: 3:30—4:00

4:00—4:45

Are Casinos Cannibals or Anchors?

Karl R. GEISLER, Idaho State Univ., USA, Mark W. NICHOLS, Univ. Nevada, Reno, USA

Discussant: Peter FULEKY, Univ. Hawaii, Manoa, USA

4:45—5:30

Household Willingness to Pay for Education: Evidence from A Spatial Hedonic Analysis

Zhuojun WANG, Cornell Univ., USA, John CARRUTHERS, Cornell Univ., USA

Discussant: Eric J. HEIKKILA, Univ. Southern California, US

Thursday Feb 25, 2:00 PM—5:30 PM

Paper Session 6D ~ Monterey

Transportation & Spatial Mobility

<https://us02web.zoom.us/j/86358579109>

Chair: Myunggu KANG, Univ. Seoul, Republic of Korea

2:00—2:45

Theoretical Foundation of Crowdsourcing and Its Utility for Producing Spatial Mobility Information

Tschangho John KIM, Univ. Illinois, Urbana-Champaign & George Mason Univ., USA

Discussant: Quan YUAN, Tongji Univ., China

===== Official Time Zone: U.S. Pacific (GMT-8) =====

2:45—3:30

Pedestrian Deaths and Large Vehicles

Justin TYNDALL, Univ. Hawaii, Manoa, USA

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

Coffee Break: 3:30—4:00

4:00—4:45

Public Transportation Finance, Agglomeration Economies, and Equity: A dynamic panel analysis on the effect of transit operation revenues on employment growth and opportunities for low-skilled workers in Ohio.

Seunghoon OH, Univ. Cincinnati, USA, David BRASINGTON, Univ. Cincinnati, USA

Discussant: Daoqin TONG, Arizona State Univ., USA

4:45—5:30

Who Benefits from Faster Public Transit?

Prottoy Aman AKBAR, Univ. Pittsburgh, USA

Discussant: Myunggu KANG, Univ. Seoul, Republic of Korea

(Conference ends at 5:30 PM)

Program Participant Locator

Session assignments are listed following each participant's name:

1A, 1B, 1C, 1D, 1E	on February 23 (Tuesday) Morning
2A, 2B, 2C, 2D	on February 23 (Tuesday) Afternoon
3A, 3B, 3C, 3D	on February 24 (Wednesday) Morning
4A, 4B, 4C, 4D	on February 24 (Wednesday) Afternoon
5A, 5B, 5C, 5D	on February 25 (Thursday) Morning
6A, 6B, 6C, 6D	on February 25 (Thursday) Afternoon

TRSA	= Preconference - The Regional Science Academy Session
ES	= Editors' Panel Discussion Session
BDM	= WRSA Board of Directors Meeting (by invitation only)
LGOS	= The 10th Annual Lay J. Gibson Opening Session
GOSA	= The 8th Getis-Ord Lecture in Spatial Analysis
AAC	= Annual Award Ceremony & Presidential Address
PDW	= Professional Development Workshop

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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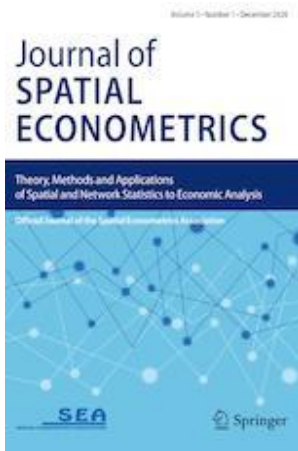
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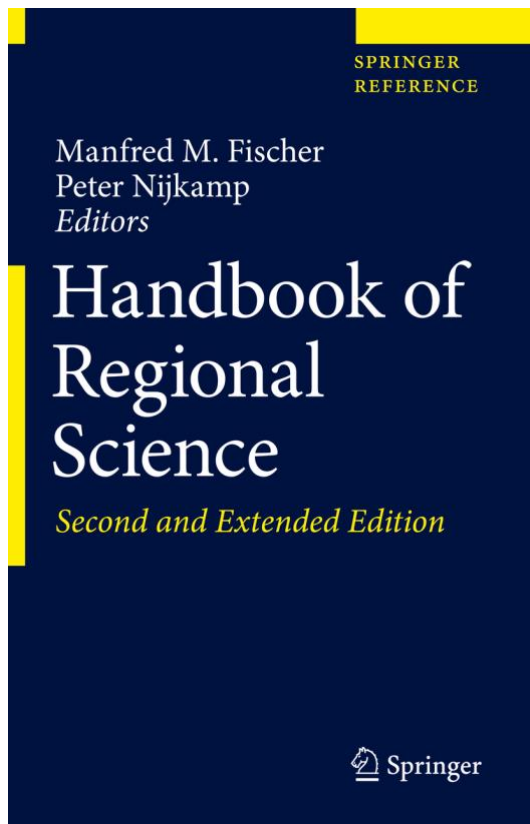
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**The 2nd edition of the *Handbook of Regional Science*
is now available!**



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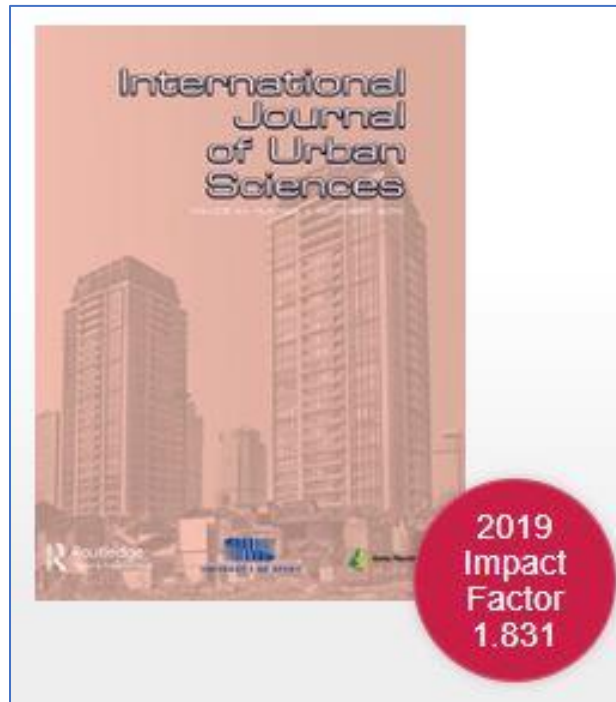
This second edition includes new sections on the history of regional science, and on regional policy. It has been thoroughly updated to reflect new developments, including new chapters on R&D collaboration networks, knowledge spillovers, web-based tools for exploratory spatial data analysis, fuzzy modeling, multivariate spatial process models, heterogeneous coefficient spatial regression panel models, and endogeneity in spatial models, among others.

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The International Journal of Urban Sciences (IJUS) is an interdisciplinary journal for scientific research and analytical methods on urban and regional studies. IJUS welcomes submissions in the areas of planning, transportation, economics, environment and geography, particularly those that consider the spatial context and focus on issues of theory, method, and public policy.

In addition to research articles, IJUS accepts insight papers that are expressed in non-traditional formats such as commentaries on urban policy, extended book reviews, interventions to current academic debates, descriptions of major consultancy works, short case studies, and others.

IJUS uses double blind peer review, and the time from submission to decision is normally within 90 days.

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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 coeditors, Martin Andersson, Brian H.S. Kim and Janet Kohlhasse, join our virtual meeting and will be happy to discuss potential submissions.

And What About Next Year, You Ask?

Already thinking about WRSA 2022? For our 61st Annual Meeting, WRSA goes to Scottsdale, AZ. As you can see from our meeting history, we had 6 meetings in Arizona, but only once in Greater Phoenix Area back in 1964 (ASU Campus in Tempe). This is our first-ever meeting in Scottsdale!

For next year's conference, we head to the Scott Resort & Spa with an easy access to Old Town Scottsdale.

Our meeting dates are Thursday, Feb 17th to Sunday, the 20th. Our room rate is \$209/night (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, 2021 and we look forward to welcoming you to beautiful Scottsdale in Arizona!



The 61 WRSA Presidents

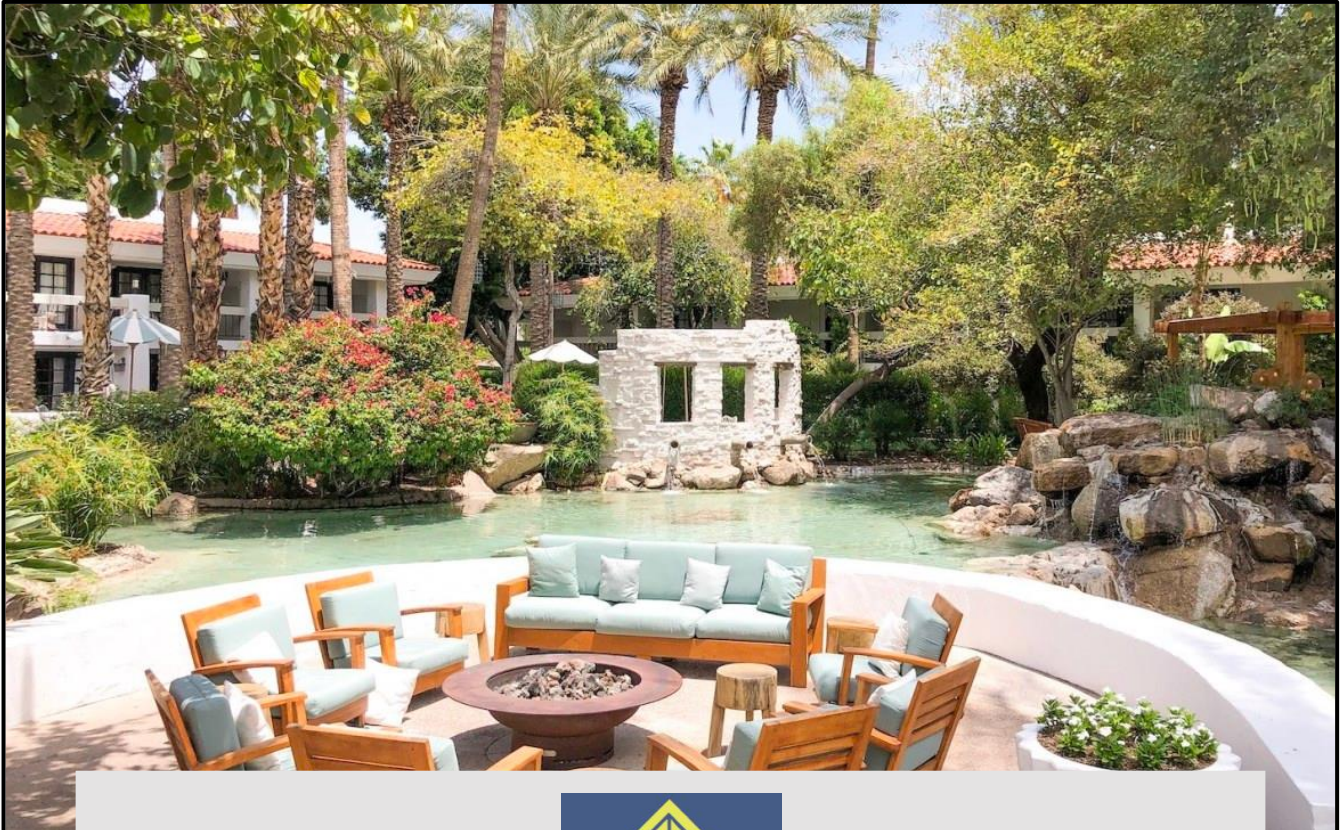
1 st	1960–1961	William Golder
2 nd	1961–1962	Morgan D. Thomas
3 rd	1962–1963	James N. Tattersall
4 th	1963–1964	William S. Peters
5 th	1964–1965	John W. Dyckman
6 th	1965–1966	Charles M. Tiebout
7 th	1966–1967	Fred E. Case
8 th	1967–1968	Paul F. Wendt
9 th	1968–1969	Harold L. Buma
10 th	1969–1970	Bernard 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 Moscovice
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. Kohlhasse



How many have you attended?

WSRA Meeting History

59 th	Cancelled due to the 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)



Our 61st Anniversary Meeting Western Regional Science Association

February 17-20 2022

Scottsdale, AZ

The Scott Resort and Spa

Paper Submission Date is October 15 2021
For more info check out our website at wrsaonline.org