



Western Regional Science Association 62nd Annual Meeting

Hilton Waikoloa Village | Big Island, Hawai‘i
Feb 15th–18th, 2023

Welcome to the Big Island of Hawai‘i and the 62nd 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 24 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 page 27 or on your name badge.

This year, our meeting gets going on Wednesday afternoon in the Monarchy Ballroom with the 12th Annual Lay James Gibson Opening Plenary, featuring speakers and panelists, Peter Fuleky and Steven Bond-Smith from the University of Hawai‘i at Mānoa, and Douglass Adams and Kendra Obermaier from County of Hawai‘i. Join us outside on the Lagoon Lanai after the Opening Session for the Welcoming Reception and enjoy a beautiful Waikoloa sunset with your friends!!

On Thursday night, please join us in the Monarchy Ballroom for the 10th Annual Getis-Ord Lecture in Spatial Analysis, where this year’s speaker, Peter Rogerson from Arizona State University, will be delivering a lecture on “The Getis-Ord Statistics: Extensions and Lessons.” Alan Murray, from the University of California, Santa Barbara, will be the discussant. A reception for session attendees will follow the formal part of the session at the Lagoon Lanai.

Friday is a full day, not only with paper sessions but we also have our Annual Award Banquet Luncheon midday in the Monarchy Ballroom and the President’s Reception in the evening that will be held at the Lagoon Lanai. At the Luncheon, this year’s incoming President, Makena Coffman, will give her Presidential Address, and the Tiebout and Springer Prize winners will be announced.

A 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. Guard these carefully! You will use the PURPLE ticket for the Welcoming Reception on Wednesday evening. Your ORANGE ticket gives you entry to the Annual Award Banquet Luncheon on Friday—no ticket, no lunch! You will use the YELLOW ticket for the Getis-Ord Lecture Reception on Thursday night. Finally, the GREEN ticket is good for your first drink at the President’s Reception on Friday evening.

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 on the Big Island!





Wednesday, 15 February

1:00 PM—7:00 PM

Registration (*Grand Promenade*)

9:00 AM—12:15 PM

TRSA-ABC TRSA - ABC Session
(*Kings 1*)

1:00 PM—3:00 PM

RPTK Reflections on
Prof. Tatsuhiko Kawashima's Legacy
(*Kings 1*)

3:30 PM—5:15 PM

LGOS The 12th Annual Lay J. Gibson
Opening Session
(*Monarchy Ballroom*)

5:30 PM—7:00 PM

Welcome Reception (*Lagoon Lanai*)



Wednesday, 9:00 AM—12:15 PM

TRSA-ABC ~ Kings 1

The Regional Science Academy - ABC Session

"Coronametrics:

Modelling Spatial Impacts of Pandemics"

Chair: Peter BATEY, Univ. Liverpool, UK

Welcome and Introduction to ABC

Peter BATEY, Univ. Liverpool, UK

President of The Regional Science Academy

9:00—9:30

A Cognitive Mind Map for Local Corona Dashboards

Karima KOURTIT, Open Univ., The Netherlands, Peter
Nijkamp, Open Univ., The Netherlands

9:30—10:00

**On the Bumpy Road to Recovery: Resilience of Public
Transport Use during COVID-19 in European Cities**

Louafi Bouzouina, Université de Lyon, France, Quasim
Manout. Université de Lyon, France, Karima
KOURTIT, Open Univ., The Netherlands, Peter
Nijkamp, Open Univ., The Netherlands

Coffee Break: 10:00—10:30



TRSA-ABC Session ~ Kings 1
(*continues*)

Chair: Karima KOURTIT
Open Univ., The Netherlands

10:30—11:00

**Regional Science Research Challenges in the Aftermath of
COVID-19**

Hans WESTLUND, KTH Royal Inst. Technology,
Sweden

11:00—11:30

Mapping Vulnerability to COVID in the US

John CARRUTHERS, Cornell Univ., Ithaca, USA

11:30—12:00

Urban-Rural Dilemma's in Pandemic Times

Terry CLOWER, George Mason Univ., Arlington, USA

12:00—12:15

Concluding Words

Peter BATEY, Univ. Liverpool, UK
Peter Nijkamp, Open Univ., The Netherlands



Wednesday, 1:00 PM—3:00 PM

RPTK ~ Kings 1

Reflections on Prof. Tatsuhiko Kawashima's Legacy

Chair: Peter NIJKAMP
Open Univ., The Netherlands

1:00—1:30

**Professor Kawashima as a Humanist: A Personal
Reflection of Him**

Tschangho John KIM, Univ. Illinois,
Urbana-Champaign, USA

1:30—2:00

**Exploring the Internal Structure of Cities: Beyond the
ROXY Index**

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

2:00—2:30

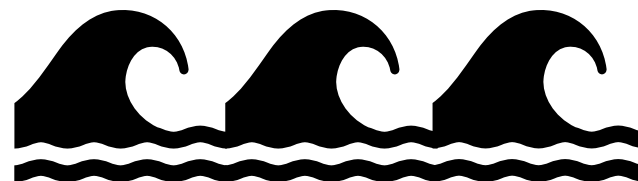
**Prof. Kawashima's Approach of Doing Research in
Villages**

Iwan AZIZ, Cornell Univ., Ithaca, USA

2:30—3:00

**Personal Reflection of Prof. Kawashima and Comments
about His Works on Traffic Congestion**

Se-il MUN, Kyoto University, Japan



Wednesday, 3:30–5:15 PM

Monarchy Ballroom



***The 12th Annual Lay James Gibson
Opening Session***

Chair: Terry CLOWER
George Mason Univ. Arlington, USA
63rd WRSA President (2022–2023)

COVID-19: A Wake-up Call for Hawai'i

Facilitated by:
Makena COFFMAN
Univ. Hawai'i at Mānoa, USA

Presenters & Panelists:
Peter FULEKY
Univ. Hawai'i at Mānoa, USA

Steven BOND-SMITH
Univ. Hawai'i at Mānoa, USA

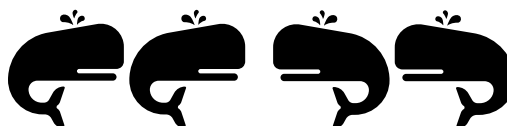
Douglass ADAMS
County of Hawai'i, USA

Kendra OBERMAIER
County of Hawai'i, 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!



Wednesday, 5:30–7:00 PM

Welcoming Reception

Lagoon Lanai



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

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, Martin Andersson, Brian H.S. Kim, and Janet Kohlhasse, are here in Waikoloa and will be happy to discuss potential submissions.



Thursday, 16 February

8:00 AM—5:00 PM

Registration (*Grand Promenade*)

8:30 AM—12:00 PM

1A Transportation, Trade, & Infrastructure (1)
(*Kings 1*)

1B Socioeconomic Impact of COVID-19 (1)
(*Kings 2*)

1C Labor Market, Population, & Migration (1)
(*Kings 3*)

1D Energy, Sustainability, & Urban Economic
Theory (*Queen 5*)

1E Gender, Race, Poverty, & Regional Issues (1)
(*Waikoloa 1*)

1:30 PM—5:00 PM

2A Transportation, Trade, & Infrastructure (2)
(*Kings 1*)

2B Socioeconomic Impact of COVID-19 (2)
(*Kings 2*)

2C Demography & Human Capital (1)
(*Kings 3*)

2D Environmental Issues & Regional Policies (1)
(*Queen 4*)

2E Economic Development & Regional Growth (1)
(*Queen 5*)

2F Housing & Real Estate (1)
(*Queen 6*)

2G Natural Resources & Regional Issues
(*Waikoloa 1*)

2H Special Session in Honor of
Harry W. Richardson (1) (*Waikoloa 2*)

5:15 PM—7:00 PM

GOSA The 10th Annual Getis-Ord Lecture
in Spatial Analysis
(*Monarchy Ballroom*)

7:00 PM—8:30 PM

Getis-Ord Lecture Reception (*Lagoon Lanai*)

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

Queen 6



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

Thursday, 8:30 AM—12:00 PM

Paper Session 1A ~ Kings 1



Transportation, Trade, & Infrastructure (1)

Chair: Paul JUNG

Inha Univ., Republic of Korea

8:30—9:15

Highways and Pedestrian Deaths in US Neighborhoods

Justin TYNDALL, Univ. Hawai'i at Mānoa, USA, Cody
NEHIBA, Louisiana State University, Baton Rouge, USA

Discussant: Martina DAL MOLIN, Gran Sasso Science
Institute, Italy

9:15—10:00

**Born to Hit and Run? Rugged Individualism, Justice
Quality and Non-stopping After Traffic Collisions in the
U.S.**

Daria DENTI, Gran Sasso Science Inst., Italy, Marco
MODICA, Gran Sasso Science Inst., Italy

Discussant: James GROSS, University of Southern
California, Los Angeles, USA

Coffee Break: 10:00—10:30

10:30—11:15

**Developing Disaggregated Freight Flows Applying
Commodity Flow Data and Big Data**

John CHO, Southern California Assoc. Governments, Los
Angeles, USA

Discussant: Paul JUNG, Inha Univ., Republic of Korea

11:15—12:00

**"JUST" Clean Air: Measuring Changes of Environmental
Justice in Energy Transition in New York and New Jersey**

Gina Yeonkyeong PARK, Cornell Univ., Ithaca, USA

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



Thursday, 8:30 AM—12:00 PM

Paper Session 1B ~ Kings 2

Socioeconomic Impact of COVID-19 (1)

Chair: Kwan Ok LEE

National Univ. Singapore

8:30—9:15

**Satellite Nighttime Light Imagery to Track Health and
Economic Implications of COVID19 at the City-level and
Daily Time-step**

Dan CARVER, Harvey CUTLER, Steven MILLER, Anita
Alves PENA, Wisnu NUGROHO, Martin SHIELDS,
Colorado State Univ., Fort Collins, USA

Discussant: Matthew ROSKRUGE, Massey Univ., New
Zealand

9:15—10:00

**Rural and Urban Fertility Impacts of Covid-19 Stay at
Home Orders**

Michael BETZ, Ohio State Univ., Columbus, USA

Discussant: Kwan Ok LEE, National Univ. Singapore

Coffee Break: 10:00—10:30

10:30—11:15

How Did the COVID-19 Pandemic Affect the Community? Preliminary Findings on Mobility, Land Use, and Destination Selection

Jiwon LEE, Seoul National Univ., Republic of Korea, Tae-Hyoung Tommy GIM, Seoul National Univ., Republic of Korea, Ho LEE, Korea Transport Inst., Republic of Korea, Kwang-Sik YANG, Soonchunhyang Univ., Republic of Korea

Discussant: Guangqing CHI, Pennsylvania State Univ., University Park, USA

11:15—12:00

Urban Resilience and Social Security Uptake: New Zealand Evidence from the Global Financial Crisis and the COVID-19 Pandemic

William COCHRANE, Waikato Univ., New Zealand, Jacques POOT, Waikato Univ., New Zealand, Matthew ROSKRUGE, Massey Univ., New Zealand

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



Thursday, 8:30 AM—12:00 PM

**Paper Session 1C ~ Kings 3
Labor Market, Population, & Migration (1)**

Chair: Seva RODNYANSKY

Occidental College, Los Angeles, USA

8:30—9:15

The Spatiality of the Destination Preferences of Internally Migrating US Households, 1990-2015

Michael BABB, Univ. Washington, Seattle, USA

Discussant: Namiko MATSUSHITA, Nagoya Sangyo Univ., Japan

9:15—10:00

Ex Ante Evaluation of Migration Subsidy: Evidence from Japan

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

Discussant: Bruce NEWBOLD, McMaster Univ., Hamilton, Canada

Coffee Break: 10:00—10:30

10:30—11:15

Migration, Neighbourhood Change and the Impact of Area-based Urban Policy Initiatives

Peter BATEY, Univ. Liverpool, UK

Discussant: Seva RODNYANSKY, Occidental College, Los Angeles, USA

11:15—12:00

The 1921-1924 Immigration Act and Its Unintended Consequences on Breakthrough Innovations in the US

Benjamin CORNEJO COSTAS, Utrecht Univ., The Netherlands, Andrea MORRISON, Utrecht Univ., The Netherlands

Discussant: Johan KLAESSON, Jönköping International Business School, Sweden



Thursday, 8:30 AM—12:00 PM

**Paper Session 1D ~ Queen 5
Energy, Sustainability, & Urban Economic Theory**

Chair: Stephan GOETZ

Pennsylvania State Univ., University Park, USA

8:30—9:15

Spatial Variability of Urban Residential Electricity Consumption in Relation to Local Characteristics

Hyunsoo KIM, Pusan National Univ., Republic of Korea, Jinhyeok JANG, Pusan National Univ., Republic of Korea, Yeol CHOI, Pusan National Univ., Republic of Korea

Discussant: Thomas GUNTUN, Simon Fraser Univ., Vancouver, Canada

9:15—10:00

Access to Property and the Likelihood of Self-employment

Åsa HANSSON, Lund Univ., Sweden, Fredrik KOPPSCH, Lund Univ., Sweden

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

Coffee Break: 10:00—10:30

10:30—11:15

Residential Location of Two-member Households: An Applied Urban Economic Model

Asao ANDO, Tohoku Univ., Japan

Discussant: Hing Ling CHAN, National Oceanic & Atmospheric Administration, Honolulu, USA

11:15—12:00

Predicting Energy Leakage: A Data Driven Sustainability Roadmap Using EPC Data

Herman DONNER, Stanford Univ. & Royal Inst.

Technology, Sweden, Ram RAJAGOPAL, Stanford Univ., USA

Discussant: So Young SOHN, Yonsei Univ., Republic of Korea



Thursday, 8:30 AM—12:00 PM

**Paper Session 1E ~ Waikoloa 1
Gender, Race, Poverty, & Regional Issues (1)**

Chair: Giulia URSO

Gran Sasso Science Inst., Italy

8:30—9:15

Demographic Transition and Economic Opportunity: A Study of Colorado

Austin LANDINI, Univ. Missouri, Columbia, USA

Discussant: Narae LEE, George Mason Univ., Arlington, USA

9:15—10:00

Housing Poverty and Mental Health among Young Adults: Regional and Gender Differences

Seoyoon KANG, Sungkyunkwan Univ., Republic of Korea,

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

Discussant: Paul LEWIN, Univ. Idaho, Moscow, USA

Coffee Break: 10:00—10:30

10:30—11:15

Measuring the Gender Differences in Value of Time by Household Life Stage: An Intertemporal Analysis based on Japan Household Panel Survey

Ashley Wan-Tzu LO, Tohoku Univ., Japan, Tatsuhito

KONO, Tohoku Univ., Japan

Discussant: Kee Hoon CHUNG, Univ. Ulsan, Republic of Korea

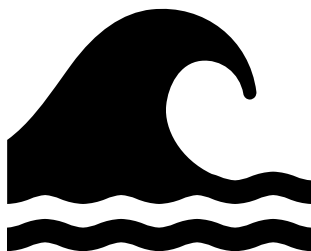
11:15—12:00

The Impact of Early School Entry on Women's Educational Attainment

Haeil JUNG, Korea Univ., Republic of Korea, Kee Hoon CHUNG, Univ. Ulsan, Republic of Korea

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

Thursday, 12:00—1:30 PM
Lunch Break (On your own this day)



Thursday, 1:30 PM—5:00 PM

Paper Session 2A ~ Kings 1

Transportation, Trade, & Infrastructure (2)

Chair: Justin TYNDALL
Univ. Hawai'i at Mānoa, USA

1:30—2:15

Accessibility of Highway Development and Spatial Distribution of Economic Resources: An Application of a Dynamic Spatial Computable General Equilibrium Model for Urban Clusters of South Korea

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

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

Minju LEE, Seoul National Univ., Republic of Korea

Discussant: John CHO, Southern California Assoc. Governments, Los Angeles, USA

2:15—3:00

Global Shrinkage of Space and the Hub-and-Spoke System in the Global Trade Network

Paul JUNG, Inha Univ., Republic of Korea, Jean-Claude

THILL, Univ. North Carolina at Charlotte, USA

Discussant: Robert BINDER, Univ. Southern California, Los Angeles, USA

Coffee Break: 3:00—3:30

3:30—4:15

Can High-speed Rail Facilitate Sustainable Urban Land Use?

Meng YU, Ohio State Univ., Columbus, USA, Zhenhua

CHEN, Ohio State Univ., Columbus, USA

Discussant: Gina Yeonkyeong PARK, Cornell Univ., Ithaca, USA

4:15—5:00

Use of Parcel Lockers and Travel Behavior

Jaehyun HA, Univ. Southern California, Los Angeles, USA,

Genevieve GIULIANO, Univ. Southern California, Los

Angeles, USA, Robert BINDER, Univ. Southern California,

Los Angeles, USA, Andrea HOLMES, Univ. Southern

California, Los Angeles, USA

Discussant: Justin TYNDALL, Univ. Hawai'i at Mānoa, USA



Thursday, 1:30 PM—5:00 PM

Paper Session 2B ~ Kings 2

Socioeconomic Impact of COVID-19 (2)

Chair: Kingsley HAYNES

George Mason Univ., Arlington, USA

1:30—2:15

Differences in Perceptions of COVID-19 Risks in a Fishing Community in Alaska, 2020–2021

M. Luke SMITH, Pennsylvania State Univ., University Park,

USA, Guangqing CHI, Pennsylvania State Univ., University

Park, USA, Hannah HENNIGHAUSEN, Univ. Alaska

Anchorage, USA, Davin HOLEN, Univ. Alaska Fairbanks,

USA, E. Lance HOWE, Univ. Alaska Anchorage, USA

Discussant: Martin SHIELDS, Colorado State Univ., Fort Collins, USA

2:15—3:00

Impacts of COVID-19 on Food Access: A Case Study of Maricopa County

Xueting JIN, Arizona State Univ., Tempe, USA, Daoqin

TONG, Arizona State Univ., Tempe, USA

Discussant: Maria Giovanna BRANDANO, Gran Sasso Science Inst., Italy

Coffee Break: 3:00—3:30

3:30—4:15

The Impact of COVID-19 on the Tourism Sector in Italy: A Regional Spatial Perspective

Maria Giovanna BRANDANO, Gran Sasso Science Inst.,

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

Adriana Carolina PINATE, Gran Sasso Science Inst., Italy

Discussant: Kingsley HAYNES, George Mason Univ., Arlington, USA

4:15—5:00

Geographic Restrictions for the COVID-19 Stimulus Payment Spending and Public Health Outcomes: Using Big Data in Seoul, South Korea

Jieun LEE, National Univ. Singapore, Kwan Ok LEE,

National Univ. Singapore, Hyojung LEE, Virginia Tech,

Blacksburg, USA

Discussant: Terry CLOWER, George Mason Univ., Arlington, USA



Thursday, 1:30 PM—5:00 PM
Paper Session 2C ~ Kings 3
Demography & Human Capital (1)
 Chair: Johan LUNDBERG
 Umeå Univ., Sweden

1:30—2:15

A Study on the Characteristics of Local Government with High Fertility Differentials: Based on the Relationship between the Total Fertility Rate and the Crude Birth Rate
 Ye-Young KIM, Seoul National Univ., Republic of Korea,
 Young-Sung LEE, Seoul National Univ., Republic of Korea
 Discussant: Marian MANIC, Whitman College, Walla Walla, USA

2:15—3:00

A Better Small City Attracts More Migrants? Evidence from "Civilized City" Designation Competition in China
 Xiaoyin LI, Iowa State Univ., Ames, USA, Nieyan CHENG, Iowa State Univ., Ames, USA
 Discussant: David PLANE, Univ. Arizona, Tucson, USA

Coffee Break: 3:00—3:30

3:30—4:15

The Importance of Foreign-Born STEM Workers for the Knowledge-based Economy
 Christopher BAUM, Boston College, USA, Hans LÖÖF, KTH Royal Inst. Technology, Sweden, Andreas STEPHAN, Linneus Univ., Sweden
 Discussant: Yating RU, Cornell Univ., Ithaca, USA

4:15—5:00

Prediction of Birth Intention of Couples in One-Generational Households based on Machine Learning Applications
 Sangwon CHOI, Seoul National Univ., Republic of Korea, Daeyoung KWON, Seoul National Univ., Republic of Korea, Brian H.S. KIM, Seoul National Univ., Republic of Korea
 Discussant: Johan LUNDBERG, Umeå Univ., Sweden



Thursday, 1:30 PM—5:00 PM
Paper Session 2D ~ Queen 4
Environmental Issues & Regional Policies (1)
 Chair: Marcus PENG
 Univ. Hawai'i at Mānoa, USA

1:30—2:15

Urban Residential Communities and Food Waste: A Case of Multilevel Analysis in Busan, Korea
 Jinhyeok JANG, Pusan National Univ., Republic of Korea, Hyunsoo KIM, Pusan National Univ., Republic of Korea, Yeol CHOI, Pusan National Univ., Republic of Korea
 Discussant: Karl GEISLER, Idaho State Univ., Pocatello, USA

2:15—3:00

Water Warrior: Conserving Water through a Low Cost, Strategic Program at a Large Institution
 Matt GNAGEY, Weber State Univ., Ogden, USA
 Discussant: Marcus PENG, Univ. Hawai'i at Mānoa, USA

Coffee Break: 3:00—3:30

3:30—4:15

Analyzing the Effect of Urban Forms on the Seasonal Variation of Particulate Matter Using Machine Learning - A Case Study of Seoul, South Korea
 Jeongwoo LEE, Chung-Ang Univ., Republic of Korea, Caryl BARQUILLA, Chung-Ang Univ., Republic of Korea
 Discussant: Barry SOLOMON, Michigan Technology Univ., Houghton County, USA

4:15—5:00

Is the Korean Green Bond Market Efficient? - An Analysis on How Nominal Coupon Rate is Determined in Green Bond Market
 Jaewon PARK, Seoul National Univ., Republic of Korea, Youngsung LEE, Seoul National Univ., Republic of Korea
 Discussant: Yuko AKUNE, Nihon Univ., Japan



Thursday, 1:30 PM—5:00 PM
Paper Session 2E ~ Queen 5
Economic Development & Regional Growth (1)
 Chair: Hodjat GHADIMI
 West Virginia Univ., Morgantown, USA

1:30—2:15

Interstate Conflict, Trade, and Economic Development in a Spatial Structural Equation Model
 Yuri MANSURY, Illinois Inst. Technology, Chicago, USA
 Discussant: Ziqi LIU, Univ. Texas at Austin, USA

2:15—3:00

Regional Income Inequalities in Colombia: A Micro-Decomposition Approach
 Luis GALVIS, Banco de la Republica de Colombia, Leonardo BONILLA, Banco de la República de Colombia, Andrea OTERO, Banco de la República de Colombia, Diana RICCIULLI, Banco de la República de Colombia
 Discussant: Hodjat GHADIMI, West Virginia Univ., Morgantown, USA

Coffee Break: 3:00—3:30

3:30—4:15

Political Hierarchy Spillovers: Evidence from China
 Meng-Ting CHEN, Soochow Univ., Taiwan, Jiakai ZHANG, New Mexico Tech, Socorro, USA
 Discussant: Shade SHUTTERS, Arizona State Univ., Tempe, USA

4:15—5:00

Functional Upgrading in Global Value Chains: Evidence from EU Regions Using an Economic Complexity Framework
 Eduardo HERNÁNDEZ-RODRÍGUEZ, Utrecht Univ., The Netherlands, Ron BOSCHMA, Utrecht Univ., The Netherlands, Andrea MORRISON, Utrecht Univ., The Netherlands, Xianjia YE, Univ. Groningen, The Netherlands
 Discussant: Steven PIPER, Colorado School Mines, Golden, USA



Thursday, 1:30 PM—5:00 PM

**Paper Session 2F ~ Queen 6
Housing & Real Estate (1)**

Chair: Nicholas IRWIN
Univ. Nevada, Las Vegas, USA

1:30—2:15

**Land Use Deregulation and Housing Market Growth
under Institutional Frictions**

Arnab DUTTA, Univ. Southern California, Los Angeles,
USA

Discussant: Hongwei DONG, California State Univ.,
Fort Collins, USA

2:15—3:00

**An Evaluation of the Shanghai Urban Residential Property
Tax Pilot Program and its Effects on Housing Prices**

Weijie YANG, Univ. La Verne, USA

Discussant: Woosung KIM, Korea Univ., Republic of
Korea

Coffee Break: 3:00—3:30

3:30—4:15

The Value of School Quality During a Pandemic

Constant TRA, Univ. Nevada, Las Vegas, USA

Discussant: Clemens PILGRAM, Univ. Southern
California, Los Angeles, USA

4:15—5:00

**Oil Price Dynamics and Housing Investment Decisions in
the U.S.**

Nyakundi MICHIEKA, California State Univ., Bakersfield,
USA, Richard GEARHART, California State Univ.,
Bakersfield, USA, Noha RAZEK, University of Regina,
Canada

Discussant: Nicholas IRWIN, Univ. Nevada, Las Vegas,
USA



Thursday, 1:30 PM—5:00 PM

**Paper Session 2G ~ Waikoloa 1
Natural Resources & Regional Issues**

Chair: Steven BOND-SMITH
Univ. Hawai'i at Mānoa, USA

1:30—2:15

**An Empirical Analysis of Fishery Household's Non-
Fishery Work Participation as a Risk Management
Method: A Case of Korean Marine Fisheries**

Sejin LEE, Korea Rural Economic Research Inst., Republic
of Korea, Sungmin CHEU, Korea Rural Economic Research
Inst., Republic of Korea, Seoyoon PARK, Korea Rural
Economic Research Inst., Republic of Korea, Donghwan
AN, Seoul National Univ., Republic of Korea

Discussant: Herman DONNER, Stanford Univ. & Royal
Inst. Technology, Sweden

2:15—3:00

**Who Tends to Be the Most Food Insecure? - Using 8th
Korea National Health and Nutrition Examination Survey
(2019-2020)**

Suzy LEE, Seoul National Univ., Republic of Korea,
Donghwan AN, Seoul National Univ., Republic of Korea
Discussant: Zheng TIAN, Pennsylvania State Univ.,
University Park, USA

Coffee Break: 3:00—3:30

3:30—4:15

**Methods for Assessing the Public Interest in Major Energy
Projects**

Thomas GUNTON, Simon Fraser Univ., Vancouver, Canada
Discussant: Steven BOND-SMITH, Univ. Hawai'i at
Mānoa, USA

4:15—5:00

**Fishing Trip Cost Modeling Using Generalized Linear
Model and Machine Learning Methods - A Case Study
with Longline Fisheries in the Pacific and an Application
in Regulatory Impact Analysis**

Hing Ling CHAN, National Oceanic & Atmospheric
Administration, Honolulu, USA, Minling PAN, Pacific
Islands Fisheries Science Center, Honolulu, USA

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



Thursday, 1:30 PM—5:00 PM

**Paper Session 2H ~ Waikoloa 2
Special Session**

in Honor of Harry W. Richardson (1)

Chair: Jiyoung PARK
Univ. at Buffalo, USA

1:30—2:15

**Comparison of Changes in Ecosystem Service Index
Depending on Land Use Change**

Youngeun KANG, Gyeongsang National Univ., Republic of
Korea, Juhyeon KIM, Gyeongsang National Univ., Republic
of Korea

Discussant: Gyoungju LEE, Korea National Univ.
Transportation, Republic of Korea

2:15—3:00

**A Normative Approach for Modeling Cities and Regions: A
Paper to Tribute to the Late Professor H. Richardson**

Tschangho John KIM, Univ. Illinois, Urbana-Champaign,
USA

Discussant: Jiyoung PARK, Univ. at Buffalo, USA

Coffee Break: 3:00—3:30

3:30—4:15

**Spatial Equity Implication of Electric Vehicle Charging
Stations in the Six US Metropolitan Areas**

Christine BAE, Univ. Washington, Seattle, USA, Boyang
SA, Center for Sustainable Energy, San Diego, USA
Discussant: Do KIM, Cal Poly, Pomona, USA

4:15–5:00

A Preliminary Study on the Reverse Subscription Economy, Regional Balance Development, and Youth Job Creation Policies

Deokho CHO, Daegu Univ., Republic of Korea

Discussant: Janet KOHLHASE, Univ. Houston

Thursday, 5:15–7:00 PM

Monarchy Ballroom



***The 10th Annual
Getis-Ord Lecture in Spatial Analysis***

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

***The Getis-Ord Statistics:
Extensions and Lessons***

Presented by:

Peter ROGERSON,
Arizona State University, Tempe, USA

Discussant:

Alan MURRAY
University of California, Santa Barbara, USA

A reception will follow the lecture

Friday, 7:00 PM–8:30 PM

***Getis-Ord Lecture Reception
Lagoon Lanai***



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

Notes



Friday, 17 February

8:00 AM—6:00 PM

Registration (*Grand Promenade*)

8:30 AM—12:00 PM

3A Transportation, Trade, & Infrastructure (3)
(*Kings 1*)

3B Location & Economic Development
(*Kings 2*)

3C Spatial Analysis & GIS
in Honor of Arthur Getis (1) (*Kings 3*)

3D Environmental Issues & Equity
(*Queen 4*)

3E Economic Development & Regional Growth (2)
(*Queen 5*)

3F Housing & Real Estate (2)
(*Queens 6*)

3G Gender, Race, Poverty, & Regional Issues (2)
(*Waikoloa 1*)

3H Special Session in Honor of
Harry W. Richardson (2) (*Waikoloa 2*)

12:00 PM—2:15 PM

AABL Annual Award Luncheon
(*Monarchy Ballroom*)

2:30 PM—6:00 PM

4A Tourism & Regional Economy
(*Kings 1*)

4B Rural Development & Regional Inequality
(*Kings 2*)

4C Demography & Human Capital (2)
(*Kings 3*)

4D Environmental Issues & Regional Policies (2)
(*Queen 4*)

4E Modeling Location & Development Issues (1)
(*Queen 5*)

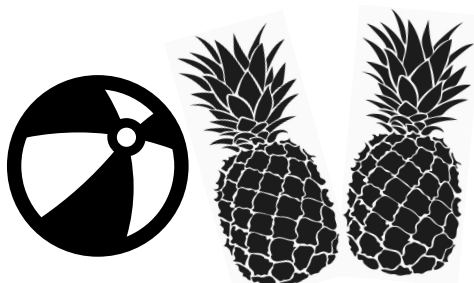
4F Housing & Real Estate (3)
(*Queen 6*)

4G Innovation & Regional Growth
(*Waikoloa 1*)

4H Special Session in Honor of
Harry W. Richardson (3) (*Waikoloa 2*)

6:00 PM—8:00 PM

President's Reception (*Lagoon Lanai*)



Friday, 8:30 AM—12:00 PM

Paper Session 3A ~ Kings 1

Transportation, Trade, & Infrastructure (3)

Chair: John CHO

Southern California Assoc. Governments
Los Angeles, USA

8:30—9:15

An Ethnography of Transit through the Lens of Public Space Theory in Los Angeles and Detroit

Robert BINDER, Univ. Southern California, Los Angeles, USA

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

9:15—10:00

Slow Streets and Dockless Travel: Using a Natural Experiment for Insight into the Role of Supportive Infrastructure on Non-Motorized Travel

Marlon BOARNET, Univ. Southern California, Los Angeles, USA, James GROSS, University of Southern California, Los Angeles, USA, Seula LEE, Univ. Southern California, Los Angeles, USA, Calvin THIGPEN, Lime, San Francisco, USA

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

Coffee Break: 10:00—10:30

10:30—11:15

What's a (Better) Beach Day Worth? Economic Valuation of Changes in Waikīkī Beach Characteristics

Marcus PENG, Univ. Hawai'i at Mānoa, USA, Nori TARUI, Univ. Hawai'i at Mānoa, USA, Takahiro TSUGE, Sophia Univ., Japan, Dolan EVERSOLE, Univ. Hawai'i at Mānoa, USA

Discussant: Meng YU, Ohio State Univ.

11:15—12:00

Impact of Atmospheric Pollution on Reported Cases of Acute Respiratory Infections and Pneumonia in Mexico

Irving LLAMOSAS-ROSAS, Bank of Mexico, Erick RANGEL-GONZÁLEZ, Banco de Mexico, Felipe de Jesús FONSECA, Banco de Mexico, Rita Karolina CANTU-ZENDEJAS, Banco de Mexico

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



Friday, 8:30 AM—12:00 PM

Paper Session 3B ~ Kings 2

Location & Economic Development

Chair: Matthew BERMAN

Univ. of Alaska, Anchorage, USA

8:30—9:15

Detecting Relatedness

Gloria CICERONE, Gran Sasso Science Inst., Italy, Philip MCCANN, Alliance Manchester Business School, UK, Viktor VENHORST, University of Groningen, The Netherlands

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

9:15—10:00

Re-Urbanization Pattern of Manufacturing and Characteristics of Urban Manufacturing in South Korea

Jeong-Il PARK, Keimyung Univ., Republic of Korea

Discussant: Ha Thu VU, Hiroshima University, Japan

Coffee Break: 10:00—10:30

10:30—11:15

Changes in the Structure of Household Expenditure in Urban and Rural China

Jian CHEN, Iowa State Univ., Ames, USA, Xiaorui QU, Iowa State Univ., Ames, USA

Discussant: Matthew BERMAN, Univ. Alaska, Anchorage, USA

11:15—12:00

An Exit-voice Exploration of the Italian Left-Behind and Electoral Geographies in the Face of Economic Challenges

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

Discussant: Jian CHEN, Iowa State Univ., Ames, USA



Friday, 8:30 AM—11:15 PM

Paper Session 3C ~ Kings 3

Spatial Analysis & GIS

in Honor of Arthur Getis (I)

Chair: Wei KANG

Univ. North Texas, Denton, USA

8:30—9:15

Addressing Mobility Needs Through On-demand Services

Alan MURRAY, Univ. California, Santa Barbara, USA, Khaled SHAMMOUT, Southwest Ohio Regional Transit Authority, Cincinnati, USA, Randall FARWELL, Alfred Benesch & Company, Jacksonville, USA, Kayla BURROWS, Alfred Benesch & Company, Tampa, USA, Taylor COX, Alfred Benesch & Company, Tampa, USA

Discussant: Yong CHEN, Oregon State Univ., Corvallis, USA

9:15—10:00

Uncovering the Legacies of Chemical Warfare: Evidence from the Vietnam War

Gaku ITO, Osaka Metropolitan Univ., Japan, Duc TRAN, Hiroshima Univ., Japan, Yuichiro YOSHIDA, Hiroshima Univ., Japan

Discussant: Pengzhen LI, Univ. Tennessee, Knoxville, USA

Coffee Break: 10:00—10:30

10:30—11:15

Neighborhood Schools or School Neighborhoods? The Spatial Structure of the School-Neighborhood Nexus

Sergio REY, San Diego State Univ., USA, Elijah KNAAP, San Diego State Univ., USA, Ran WEI, Univ. California, Riverside, USA, Dylan SKRAH, San Diego State Univ., USA

Discussant: Richard GEARHART, California State Univ., Bakersfield, USA



Friday, 8:30 AM—12:00 PM

Paper Session 3D ~ Queen 4

Environmental Issues & Equity

Chair: Kyung-Min NAM

Univ. Hong Kong, China

8:30—9:15

Sea Level Rise Risk Interactions with Coastal Property Values: A Case Study of O'ahu, Hawai'i

Nori TARUI, Univ. Hawai'i at Mānoa, USA, Seth

URBANSKI, Univ. Hawai'i at Mānoa, USA, Makena

COFFMAN, Univ. Hawai'i at Mānoa, USA, Quang Loc

LAM, Univ. Hawai'i at Mānoa, USA, Conrad NEWFIELD,

Univ. Hawai'i at Mānoa, USA

Discussant: Jaewon PARK, Seoul National Univ., Republic of Korea

9:15—10:00

The Equity of Desert Shade: A spatial regression analysis of the Las Vegas Urban Tree Canopy

Aaron COLLETTA, Univ. Nevada, Las Vegas, USA, Jaewon

LIM, Univ. Nevada, Las Vegas, USA

Discussant: Makena COFFMAN, Univ. Hawai'i at Mānoa, USA

Coffee Break: 10:00—10:30

10:30—11:15

An Environmental Justice Analysis of Greenhouse Gas Emissions in California

Ian DUNHAM, San Francisco State Univ., USA, Alec

FOSTER, Illinois State Univ., Normal, USA

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

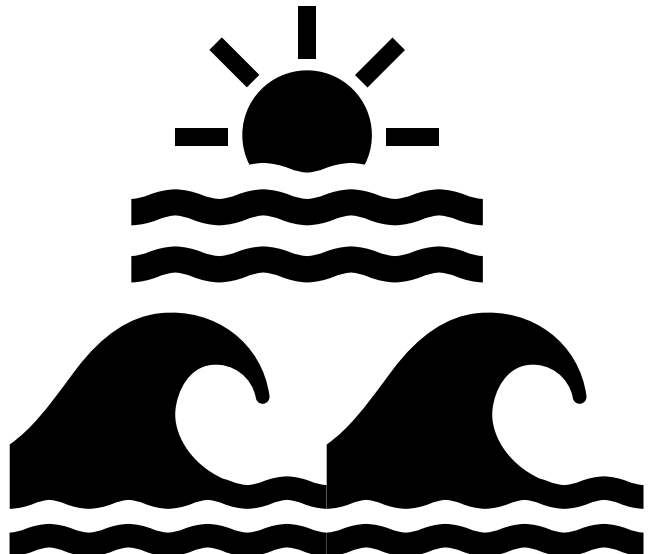
11:15—12:00

An Analysis of Community Resilience to Disasters in South Korea

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

Keun YOON, Yonsei Univ., Republic of Korea

Discussant: Zhenhua CHEN, Ohio State Univ., Columbus, USA





Friday, 8:30 AM—12:00 PM

Paper Session 3E ~ Queen 5

Economic Development & Regional Growth (2)

Chair: Yuri MANSURY

Illinois Inst. Technology, Chicago, USA

8:30—9:15

Using Multidimensional Networks to Better Understand Constraints and Possibilities of Urban Development

Shade SHUTTERS, Arizona State Univ., Tempe, USA

Discussant: Luis GALVIS, Banco de la Republica de Colombia

9:15—10:00

Distributive Economic Impacts of the Bipartisan Infrastructure Law: A Case Study of Texas with an Application of the Computable General Equilibrium (CGE) Model

Ziqi LIU, Univ. Texas at Austin, USA, Ming ZHANG, Univ. Texas at Austin, USA

Discussant: Eduardo HERNÁNDEZ-RODRÍGUEZ, Utrecht Univ., The Netherlands

Coffee Break: 10:00—10:30

10:30—11:15

Discounting Methodologies: The Consequences of Applying Traditional Exponential Discounting Techniques on Long-Lived Projects and the Impacts of Applying Alternative Discounting Methodologies

Steven PIPER, Colorado School Mines, Golden, USA

Discussant: Jiakai ZHANG, New Mexico Tech, Socorro, USA

11:15—12:00

Wealth Ownership and Measurement in Energy-rich Regions: The Case of West Virginia

Hodjat GHADIMI, West Virginia Univ., Morgantown, USA

Discussant: Yuri MANSURY, Illinois Inst. Technology, Chicago, USA



Friday, 8:30 AM—12:00 PM

Paper Session 3F ~ Queen 6

Housing & Real Estate (2)

Chair: Nyakundi MICHIEKA

California State Univ., Bakersfield, USA

8:30—9:15

Towards a Typology of Informal Settlements and Their Urban Contexts

Cynthia GOYTIA, Univ. Torcuato Di Tella, Argentina, Eric HEIKKILA, Univ. Southern California, Los Angeles, USA

Discussant: Weijie YANG, Univ. La Verne, USA

9:15—10:00

Climate Change and Real Estate Markets: An Empirical Study of the Impacts of Wildfires on Home Values

Hongwei DONG, California State Univ., Fresno, USA

Discussant: Arnab DUTTA, Univ. Southern California, Los Angeles, USA

Coffee Break: 10:00—10:30

10:30—11:15

Transfer Effect of Administrative Functions on the Regional Housing Markets in Korea

Wonseok SEO, Chung-Ang Univ., Republic of Korea

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

11:15—12:00

The Relationship between Owner-occupied Housing Prices and Rental Housing Rents: Evidence from Beijing, China

Zisheng SONG, KTH Royal Inst. Technology, Sweden, Mats

WILHELMSSON, KTH Royal Inst. Technology, Sweden,

Agnieszka ZALEJSKA-JONSSON, KTH Royal Inst.

Technology, Sweden

Discussant: Peter BATEY, Univ. Liverpool



Friday, 8:30 AM—12:00 PM

Paper Session 3G ~ Waikoloa 1

Gender, Race, Poverty, & Regional Issues (2)

Chair: Daria DENTI

Gran Sasso Science Inst., Italy

8:30—9:15

Self-employment Among the Poor: Does it Pay Off?

Monica FISHER, Univ. Idaho, Moscow, USA, Paul LEWIN,

Univ. Idaho, Moscow, USA, Bruce WEBER, Oregon State

Univ., Corvallis, USA, Emily WORNELL, Ball State Univ.,

Muncie, USA

Discussant: Ritesh YADAV, Idaho State Univ.,

Pocatello, USA

9:15—10:00

Can a Hiring Credit Program Create a Job for a Rural Vulnerable Worker? Evaluating the First Job Act in Colombia

Narae LEE, George Mason Univ., Arlington, USA

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

Coffee Break: 10:00—10:30

10:30—11:15

The Councilwoman's Tale - Countering Intimate Partner Homicides by Electing Women in Local Councils

Daria DENTI, Gran Sasso Science Inst., Italy, Alessandra

FAGGIAN, Gran Sasso Science Inst., Italy

Discussant: Seoyoon KANG, Sungkyunkwan Univ., Republic of Korea

11:15—12:00

Foreign Aid and Gender Inequality: A Disaggregated Aid Study

Ritesh YADAV, Idaho State Univ., Pocatello, USA, Karl

GEISLER, Idaho State Univ., Pocatello, USA

Discussant: Ashley Wan-Tzu LO, Tohoku Univ., Japan



Friday, 8:30 AM—11:15 PM
Paper Session 3H ~ Waikoloa 2

Special Session

in Honor of Harry W. Richardson (2)

Chair: Christine BAE

Univ. Washington, Seattle, USA

8:30—9:15

The Effects of Micro Urban Space Typologies on Ambient Temperature: A Case Study of Los Angeles

Do KIM, Cal Poly, Pomona, USA, Sungyop KIM, Univ. Missouri, Kansas City, USA

Discussant: Ha HWANG, Korea Inst. Public Administration, Republic of Korea

9:15—10:00

Examining Urban Growth Patterns by Measuring Co-clustering Tendency and Identifying Co-clusters of Building Density and Diversity Using Spatial Statistical Framework

Gyoungju LEE, Korea National Univ. Transportation, Republic of Korea, Jon SON, Korea National Univ. Transportation, Republic of Korea

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

Coffee Break: 10:00—10:30

10:30—11:15

Are Regional Transportation System Innovations Effective for Carbon Neutrality?

Minsu SON, Korea Inst. Civil Engineering & Building Technology, USA, Kyoung-Chul KIM, Korea Inst. Civil Engineering & Building Technology, USA, Kyung-Taeg KOH, Korea Inst. Civil Engineering & Building Technology, USA

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

And What About Next Year, You Ask?

Already thinking about WRSA 2024?

For our 63rd Annual Meeting, WRSA goes to **Monterey, CA**. It will be our 8th meeting in Monterey and we celebrated our 50th Annual Meeting in Monterey 13 years ago.

Next year's conference will be hosted at the Hyatt Regency Monterey Hotel and Spa on Del Monte Golf Course.

Our meeting dates are Sunday, **February 11th** to Wednesday, the 14th. (Our room rate is \$229 plus applicable taxes, no resort fee!!).

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

We look forward to seeing your full papers submitted by October 15, 2023 and we look forward to welcoming you to Monterey!

Notes

WRSa Meeting History

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 62 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 Moscové
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. Kohlhasé
62 nd	2021–2022	Richard Church



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

Chair: Terry CLOWER
 George Mason Univ., Arlington, USA
 63rd WRSA President (2022-2023)

Announcements:

Jaewon LIM, WRSA Executive Director

The 27th Springer-Verlag Prize:
 Martin ANDERSSON, Brian H.S. KIM, & Janet KOHLHASE
 Editors, *The Annals of Regional Science*

The 37th Charles M. Tiebout Prize:
 Presented by: Janet KOHLHASE
 Chair 2022–2023 Reading Committee
 61st WRSA President (2020-2021)

Presidential Address:
Regional Science for Climate Action
 Makena COFFMAN
 64th WRSA President (2023-2024)

Discussant:
 John Carruthers, Cornell Univ.

**Many Thanks to the 2022-2023
 Program Committee!**

Martin Andersson, Blekinge Inst. Technology
 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.
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 David Plane, Univ. Arizona
 Daoqin Tong, Arizona State Univ.
 Ran Wei, Univ. California, Riverside

Co-Chairs:

Terry CLOWER, George Mason Univ.
 Janet E. Kohlase, Univ. of Houston

Chair:

Jaewon Lim, Univ. Nevada, Las Vegas



Western Regional Science Association

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 David Plane

WRSA's NARSC Councilor:

Jaewon Lim

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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 ~ Kings 1
Tourism & Regional Economy
 Chair: John CARRUTHERS
 Cornell Univ., Ithaca, USA

2:30—3:15

Diversifying Hawaii's Specialized Economy: A Spatial Economic Perspective

Steven BOND-SMITH, Univ. Hawai'i at Mānoa, USA
 Discussant: Mark PARTRIDGE, Ohio State Univ., Columbus, USA

3:15—4:00

The Effects of the Pandemic on the Economy of Hawaii

Steven BOND-SMITH, Univ. Hawai'i at Mānoa, USA, Peter FULEKY, Univ. Hawai'i at Mānoa, USA
 Discussant: Carlianne PATRICK, Georgia State Univ., Atlanta, USA

Coffee Break: 4:00—4:30

4:30—5:15

Impact of Recreational Marijuana Legalization on Regional Economies

Mark PARTRIDGE, Ohio State Univ., Columbus, USA, Sueng-hun CHUNG, Ohio State Univ., Columbus, USA
 Discussant: John CARRUTHERS, Cornell Univ., Ithaca, USA



Friday, 2:30 PM—6:00 PM
Paper Session 4B ~ Kings 2
Rural Development & Regional Inequality
 Chair: Austin LANDINI
 Univ. Missouri, Columbia, USA

2:30—3:15

The Impact of Regional Trade Agreements and Non-Tariff Measures on the Agri-Food Trade in the Asia-Pacific Region: Focusing on Agri-Food Supply Chain

Yuko AKUNE, Nihon Univ, Japan
 Discussant: Jeong-Il PARK, Keimyung Univ, Republic of Korea

3:15—4:00

Long-term Direct and Spillover Effects of Subsidies on Crop Insurance Adoption in Vietnam

Ha Thu VU, Hiroshima Univ., Japan, Duc TRAN, Hiroshima Univ., Japan, Shoji MASAHIRO, Univ. Tokyo, Japan, Munenobu Ikegami, Hosei Univ., Japan, Daisaku GOTO, Hiroshima Univ., Japan
 Discussant: Austin LANDINI, Univ. Missouri, Columbia, USA

Coffee Break: 4:00—4:30

4:30—5:15

Reducing Regional Inequality: Long-Term Effects of The Alaska Permanent Fund Dividend on Poverty

Matthew BERMAN, Univ. Alaska, Anchorage, USA
 Discussant: Ghislain GUEYE, Louisiana Tech Univ., Ruston, USA

5:15—6:00

Coworking and Local Development outside Metropolitan Areas in Sweden

Anna REX, The Remote Lab, Sweden, Hans WESTLUND, KTH Royal Inst. Technology, Sweden
 Discussant: Ye-Young KIM, Seoul National Univ., Republic of Korea



Friday, 2:30 PM—6:00 PM
Paper Session 4C ~ Kings 3
Demography & Human Capital (2)
 Chair: Hans LÖÖF
 KTH Royal Inst. Technology, Sweden

2:30—3:15

How Urbanization Affects Child Nutritional Outcomes: Quasi-Experimental Evidence from African Countries Over 15-25 years

Yating RU, Cornell Univ., Ithaca, USA
 Discussant: Rich RYAN, California State Univ., Bakersfield, USA

3:15—4:00

STEM Talent Agglomeration in U.S. Superstar Cities

Marian MANIC, Whitman College, Walla Walla, USA, Douglas WOODWARD, Univ. South Carolina, Columbia, USA, Joseph VON NESSEN, Univ. South Carolina, Columbia, USA, Paulo GUIMARAES, Bank of Portugal
 Discussant: Johan LUNDBERG, Umeå Univ., Sweden

Coffee Break: 4:00—4:30

4:30—5:15

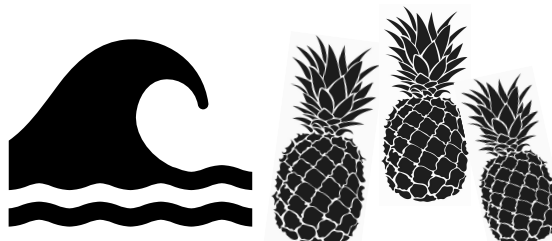
Employment Effects of a Large Industrial Investment in a Remote and Sparsely Populated Area - A Synthetic Control Approach

Evans Korang ADJEI, Umeå Univ., Sweden, Rikard ERIKSSON, Umeå Univ., Sweden, Johan LUNDBERG, Umeå Univ., Sweden
 Discussant: Brian H.S. KIM, Seoul National Univ.

5:15—6:00

The Impact of CBD Legalization on Time Use in the American Household

Richard GEARHART, California State Univ., Bakersfield, USA, Lyudmyla ARDAN-SONCHAK, Susquehanna Univ., Selinsgrover, USA, Nyakundi MICHIEKA, California State Univ., Bakersfield, USA
 Discussant: Hans LÖÖF, KTH Royal Inst. Technology, Sweden





Friday, 2:30 PM—6:00 PM
Paper Session 4D ~ Queen 4
Environmental Issues & Regional Policies (2)

Chair: Matt GNAGEY
 Weber State Univ., Ogden, USA

2:30—3:15

Urban Rail Network and Local Air Quality in Shenzhen: Focusing on the Mediating Role of Network Density and Scale in the Traffic-diversion Effects

Yifu OU, Univ. Hong Kong, China, Kyung-Min NAM, Univ. Hong Kong, China

Discussant: Matt GNAGEY, Weber State Univ., Ogden, USA

3:15—4:00

Direction for Sustainable Carbon Neutral City: Based on Copenhagen and Jeju Island

Youngeun EOM, Seoul National Univ., Republic of Korea, Byeonghun PARK, Seoul National Univ., Republic of Korea, Dayeon LEE, Seoul National Univ., Republic of Korea, Juwon LEE, Seoul National Univ., Republic of Korea, Inhwon KIM, Seoul National Univ., Republic of Korea

Discussant: Barry SOLOMON, Michigan Technology Univ., Houghton County, USA

Coffee Break: 4:00—4:30

4:30—5:15

A Comparison of State-Level Carbon Reduction Strategies

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

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

5:15—6:00

'Get back to where you once belonged': Differential effects of heterogeneous internal migrations on the Italian green growth

Adriana Carolina PINATE, Gran Sasso Science Inst., Italy, Alessandra FAGGIAN, Gran Sasso Science Inst., Italy, Martina DAL MOLIN, Gran Sasso Science Inst., Italy, Luca CATTANI, Gran Sasso Science Inst., Italy

Discussant: Dong Keun YOON, Yonsei Univ., Republic of Korea



Friday, 2:30 PM—5:15 PM
Paper Session 4E ~ Queen 5
Modeling Location & Development Issues (1)

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

2:30—3:15

Location Patterns and Drivers of Coworking Spaces in European Regions

Carles MÉNDEZ-ORTEGA, Open Univ. Catalonia, Spain, Martijn J. SMIT, Utrecht Univ., The Netherlands, Grzegorz MICEK, Jagiellonian Univ., Poland

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

3:15—4:00

Impacts of the Swedish European Regional Fund Business Initiatives - A Time Heterogeneous Approach

Martin ANDERSSON, Blekinge Inst. Technology, Sweden, Jonas MANSSON, Blekinge Inst. Technology, Sweden, Mustafa HAY YOUSSEF, Blekinge Inst. Technology, Sweden

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

Coffee Break: 4:00—4:30

4:30—5:15

Administrative Cost of U.S. Counties and Local Context-Dependence

Yong CHEN, Oregon State Univ., Corvallis, USA, Lan XUE, Oregon State Univ, Corvallis, USA, Jaeho JUNG, Oregon State Univ, Corvallis, USA, Myungjin KIM, Iowa State University, Ames, USA

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



Friday, 2:30 PM—5:15 PM
Paper Session 4F ~ Queen 6
Housing & Real Estate (3)

Chair: Eric HEIKKILA

Univ. Southern California, Los Angeles, USA

2:30—3:15

Monocentricity, Amenitized Land, and the Future of Housing Supply

Clemens PILGRAM, Univ. Southern California, Los Angeles, USA, Christian REDFEARN, Univ. Southern California, Los Angeles, USA

Discussant: Zisheng SONG, KTH Royal Inst. Technology, Sweden

3:15—4:00

Boom-bust Cycles of Urban Sprawl and Potential Consequences for U.S. Residential Land

Elena IRWIN, Ohio State Univ., Columbus, USA, Nicholas IRWIN, Univ. Nevada, Las Vegas, USA, Wangyang LAI, Shanghai Univ. Finance and Economics, China, Brian CULTICE, Ohio State Univ., Columbus, USA

Discussant: Eric HEIKKILA, Univ. Southern California, Los Angeles, USA

Coffee Break: 4:00—4:30

4:30—5:15

The Factors beyond the School Districts Affecting the Housing Prices in the Different Districts in Seoul

Woosung KIM, Korea Univ., Republic of Korea, Yuri MANSURY, Illinois Inst. Technology, Chicago, USA

Discussant: Constant TRA, Univ. Nevada, Las Vegas, USA





Friday, 2:30 PM—6:00 PM
Paper Session 4G ~ Waikoloa 1
Innovation & Regional Growth

Chair: Orsa KEKEZI
 Stockholm Univ., Sweden

2:30—3:15

Multinationals and Intra-regional Innovation Concentration

Martina PARDY, London School Economics & Political Science, UK

Discussant: Orsa KEKEZI, Stockholm Univ., Sweden

3:15—4:00

Are Some Innovation Self-Reports in the Annual Business Survey Biased? A Regression Discontinuity Test

Luyi HAN, Pennsylvania State Univ., University Park, USA,
 Zheng TIAN, Pennsylvania State Univ., University Park, USA,
 Timothy WOJAN, National Center for Science and Engineering Statistics, Alexandria, USA, Stephan GOETZ, Pennsylvania State Univ., University Park, USA

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

Coffee Break: 4:00—4:30

4:30—5:15

Embedding the Pattern of Technological Convergence for Predicting Region-wise Innovation Quality

Won Sang LEE, Gangneung Wonju National Univ., Republic of Korea, So Young SOHN, Yonsei Univ., Republic of Korea

Discussant: Asao ANDO, Tohoku Univ., Japan

5:15—6:00

Growth Trajectories of Innovative Rural Firms

Zheng TIAN, Pennsylvania State Univ., University Park, USA, Timothy WOJAN, National Center for Science and Engineering Statistics, Alexandria, USA, Stephan GOETZ, Pennsylvania State Univ., University Park, USA

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



Friday, 2:30 PM—6:00 PM
Paper Session 4H ~ Waikoloa 2
Special Session

in Honor of Harry W. Richardson (3)

Chair: Jack OSMAN
 San Francisco State Univ., USA

2:30—3:15

Input-Output Weighted Spatiotemporal Model

Changkeun PARK, MUREPA Korea, Republic of Korea,
 Dohyeong CHOI, Seoul National Univ., Republic of Korea,
 Jiyoung PARK, Univ. at Buffalo, USA, Republic of Korea,
 Dohyeong Choi, Seoul National Univ., Republic of Korea

Discussant: Minsu SON, Korea Inst. Civil Engineering & Building Technology, Republic of Korea

3:15—4:00

Regional Return to Education and Gender Inequality in South Korea

JongSoo LEE, Univ. Kansas, Lawrence, USA, Bit Na CHOI, Univ. New Hampshire, Durham, USA

Discussant: Irving LLAMOSAS-ROSAS, Bank of Mexico

Coffee Break: 4:00—4:30

4:30—5:15

Analysis of Stakeholder Network for Water Quality Management in Lake Ontario

Ha HWANG, Korea Inst. Public Administration, Republic of Korea

Discussant: Youngeun KANG, Gyeongsang National Univ., Republic of Korea

5:15—6:00

Climate Change and the Future Economic Modeling: A Flexible Input-Output Approach

Jiyoung PARK, Univ. at Buffalo, ChangKeun PARK, MUREPA Korea, Republic of Korea, Yongbin LEE, MUREPA Korea, Republic of Korea, Dongin CHO, MUREPA Korea, Republic of Korea, Dohyeong CHOI, Seoul National Univ., Republic of Korea

Discussant: JongSoo LEE, Univ. Kansas, Lawrence, USA

Feb 17th, 2023
Friday 6:00 – 8:00 PM

Lagoon Lanai
 Hilton Waikoloa Village
 Big Island, Hawaii

President's Reception

hosted by Dr. Makena Coffman

the 64th President of
Western Regional Science Association



For all participants and accompanying persons

With the generous support of
Economic Research Organization
University of Hawai'i at Manoa
Honolulu, Hawaii, USA



Saturday, 18 February

8:00 AM—5:00 PM

Registration (*Grand Promenade*)

8:30 AM—12:00 PM

5A Commuting & Transportation

(*Kings 1*)

5B Labor Market, Population, & Migration (2)

(*Kings 3*)

5C Disaster Management & Resilience (1)

(*Queen 4*)

5D Modeling Location & Development Issues (2)

(*Queen 5*)

5E Social Capital & Community Development

(*Queen 6*)

5F TRSA-SAS: Spotlights on the Region –
in Recognition of Roger Stough (1) (*Waikoloa 1*)

1:30 PM—5:00 PM

6A Local Public Finance & Taxation

(*Kings 1*)

6B COVID-19, Public Health, & Policy

(*Kings 2*)

6C Spatial Analysis & GIS

in Honor of Arthur Getis (2) (*Kings 3*)

6D Disaster Management & Resilience (2)

(*Queen 4*)

6E The Keith Schwer Memorial Western State
Economic Outlook (*Queen 5*)

6F TRSA-SAS: Spotlights on the Region –
in Recognition of Roger Stough (2) (*Waikoloa 1*)

(*End of Conference*)



Saturday, 8:30 AM—11:15 PM

Paper Session 5A ~ Kings 1
Commuting & Transportation

Chair: Åsa HANSSON

Lund Univ., Sweden

8:30—9:15

**The Roads One Must Walk Down: Commute and
Depression for Beijing's Residents**

Xize WANG, National Univ. Singapore, Tao LIU, Peking
Univ., China

Discussant: Martina PARDY, London School
Economics & Political Science, UK

9:15—10:00

**Plant Relocations and Heterogenous Returns to
Commuting**

Mikaela BACKMAN, Jönköping International Business
School, Sweden, Orsa KEKEZI, Stockholm Univ., Sweden

Discussant: Hyunsoo KIM, Pusan National Univ.,
Republic of Korea

Coffee Break: 10:00—10:30

10:30—11:15

**The Work-from-Home Revolution and the Performance of
Cities**

Steven BOND-SMITH, Univ. Hawai'i at Mānoa, USA,
Philip MCCANN, Alliance Manchester Business School,
UK

Discussant: Åsa HANSSON, Lund Univ., Sweden



Saturday, 8:30 AM—12:00 PM

Paper Session 5B ~ Kings 3

Labor Market, Population, & Migration (2)

Chair: Michael BABB

Univ. Washington, Seattle, USA

8:30—9:15

**Progressive Marginalization of Lower Income People in
the Northern California Megaregion: An Analysis of
Sequential Moves**

Andre COMANDON, Univ. Southern California, Los
Angeles, USA, Seva RODNYANSKY, Occidental College,
Los Angeles, USA, Marlon BOARNET, Univ. Southern
California, Los Angeles, USA

Discussant: Benjamin CORNEJO COSTAS, Utrecht
Univ., The Netherlands

9:15—10:00

**The How and Where of Immigrant Labor Market
Integration**

Johan KLAESSON, Jönköping International Business
School, Sweden, Sofia WIXE, Jönköping International
Business School, Sweden

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

Coffee Break: 10:00—10:30

10:30—11:15

**International Migration of Young Highly Skilled from East
Asia to Japan: Effective and Controlling Factors to enter
Japanese Labor Market**

Namiko MATSUSHITA, Nagoya Sangyo Univ., Japan

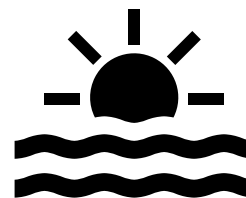
Discussant: Sejin LEE, Korea Rural Economic Research
Inst., Republic of Korea

11:15—12:00

**Age and Domestic Migration Effects on Workers'
Commuting Distance**

Bruce NEWBOLD, McMaster Univ., Hamilton, Canada

Discussant: Michael BABB, Univ. Washington, Seattle,
USA





Saturday, 8:30 AM—11:15 PM
Paper Session 5C ~ Queen 4
Disaster Management & Resilience (1)

Chair: Alan MURRAY
 University California, Santa Barbara, USA

8:30—9:15

**Regional Economic Impacts of Inland Waterway Systems
 Failure in the Mississippi River and the Role of
 Transportation Resilience**

Zhenhua CHEN, Ohio State Univ., Columbus, USA, Junmei
 CHENG, Ohio State Univ., Columbus, USA

Discussant: Jaehyun KIM, Korea Rural Economic Inst.,
 Republic of Korea

9:15—10:00

**Natural Disasters Support Authoritarian Populism:
 Evidence from the Brazilian Shrimp Vote**

Diogo BAERLOCHER, Univ. South Florida, Tampa, USA,
 Renata CALDAS, Univ. South Florida, Tampa, USA,
 Francisco CAVALCANTI, Pontifical Catholic Univ. Rio de
 Janeiro, Brazil, Rodrigo SCHNEIDER, Skidmore College,
 Saratoga Springs, USA

Discussant: Alan MURRAY, University California,
 Santa Barbara, USA

Coffee Break: 10:00—10:30

10:30—11:15

**Quantifying Marginal Effects of Urban Resilience to
 Heavy Rainfall Events in South Korea**

Jeongha HWANG, Seoul National Univ., Republic of Korea,
 Yeongseon BAEK, Seoul National Univ., Republic of Korea,
 Joohwan KIM, Seoul National Univ., Republic of Korea,
 Donghwan AN, Seoul National Univ., Republic of Korea,
 Kwansoo KIM, Seoul National Univ., Republic of Korea

Discussant: Qing MIAO, Rochester Inst. Technology,
 USA



Saturday, 8:30 AM—11:15 PM
Paper Session 5D ~ Queen 5
Modeling Location & Development Issues (2)

Chair: Martin ANDERSSON
 Blekinge Inst. Technology, Sweden

8:30—9:15

**Is Agglomeration of Digital Workers New Normal? The
 Case of Seoul and South Korea**

Hyunmoo LEE, Seoul National Univ., Republic of Korea,
 Youngsung LEE, Seoul National Univ., Republic of Korea

Discussant: Carles MÉNDEZ-ORTEGA, Open Univ.
 Catalonia, Spain

9:15—10:00

**Unemployment in a Regional Economy with a Tradable
 Sector**

Rich RYAN, California State Univ., Bakersfield, USA

Discussant: Deokho CHO, Daegu Univ., Republic of
 Korea

Coffee Break: 10:00—10:30

10:30—11:15

**Homeownership as a Predictor of Political Participation: a
 Study of US Congressional Districts**

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

Discussant: Martin ANDERSSON, Blekinge Inst.
 Technology, Sweden



Saturday, 8:30 AM—12:00 PM
Paper Session 5E ~ Queen 6
Social Capital & Community Development

Chair: Peter FULEKY
 Univ. Hawaii, Manoa, USA

8:30—9:15

**What Drives Urban Redevelopment Activity? Evidence
 from Machine-Learning and Econometric Analysis in
 Three American Cities**

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

Discussant: Yong CHEN, Oregon State Univ., Corvallis,
 USA

9:15—10:00

**Does Housing Conditions Affect Social Connectedness and
 Mental Health?**

Heejoo SON, Pusan National Univ., Republic of Korea,
 Yujeong HWANG, Pusan National Univ., Republic of Korea,
 Yeol CHOI, Pusan National Univ., Republic of Korea

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

Coffee Break: 10:00—10:30

10:30—11:15

**The Progressivity of State Government Aid to School
 Districts: The Role of Higher Education and Low-Income
 Assistance**

Christopher BIOLSI, Western Kentucky Univ., Bowling
 Green, USA, Amrita DHAR, University of Mary
 Washington, Fredericksburg, USA, Steven CRAIG, Univ.
 Houston, USA

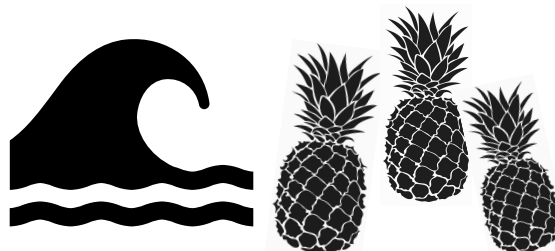
Discussant: Yeol CHOI, Pusan National Univ., Republic
 of Korea

11:15—12:00

The Value of Historic District Status in Georgia

Carlianne PATRICK, Georgia State Univ., Atlanta, USA

Discussant: Jinhyeok JANG, Pusan National Univ.,
 Republic of Korea





Saturday, 8:30 AM—12:00 PM
Paper Session 5F ~ Waikoloa I
The Regional Science Academy SAS
“Spotlights on the Region –
in Recognition of Roger Stough” (I)

Chairs:

Peter NIJKAMP, Open Univ., The Netherlands
 Janet KOHLHASE, Univ. Houston, USA

Great Minds in Regional Science Chairs:

Peter BATEY

Univ. Liverpool, UK

David PLANE

Univ. Arizona, Tucson, USA

8:30—9:15

Great Minds in Regional Science Lecture on Charles Tiebout

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

9:15—10:00

Great Minds in Regional Science Lecture on William Alonso

Jacques POOT, Waikato University, New Zealand

Coffee Break: 10:00—10:30

Chair: Janet KOHLHASE

Univ. Houston, USA

10:30—11:15

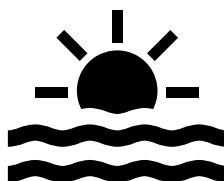
Regional Poverty and Infection Disease: Early Exploratory Evidence from the COVID-19 Pandemic

Abu Bakkar SIDDIQUE, Indiana Univ., Bloomington, USA, Kingsley HAYNES, George Mason Univ., Arlington, USA, Rajendra KULHARNI, George Mason Univ., Arlington, USA, Meng-hao LI, George Mason Univ., Arlington, USA

11:15—12:00

Quality of Life, Quality of Business, and Destinations of Recent Graduates: Fields of Study Matter

Arthur GRIMES, Motu Economic & Public Policy Research, New Zealand, Shaan BADENHORST, Victoria Univ. Wellington, New Zealand, David C. MARÉ, Social Wellbeing Agency, New Zealand, Jacques POOT, Waikato Univ., New Zealand, Isabelle SIN, Waikato Univ., New Zealand



Saturday, 1:30 PM—5:00 PM
Paper Session 6A ~ Kings I
Local Public Finance & Taxation
 Chair: David BRASINGTON
 Univ. Cincinnati, USA

1:30—2:15

Tax Revolt and Neighborhood Change

Soomi LEE, Univ. La Verne, USA

Discussant: David BRASINGTON, Univ. Cincinnati, USA

2:15—3:00

Tax Elasticity of Border Sales: A Meta-Analysis

Dat HUYNH, Univ. Nevada, Reno, USA, Anna

SOKOLOVA, Univ. Nevada, Reno, USA, Mehmet TOSUN,

Univ. Nevada, Reno, USA

Discussant: Steven CRAIG, Univ. Houston, USA

Coffee Break: 3:00—3:30

3:30—4:15

Effect of Local Government Taxes and Spending on the Redevelopment of Commercial Property

David BRASINGTON, Univ. Cincinnati, USA, Evan

CARSON, Kroger Corporation, Cincinnati, USA, Daniel

MCMILLEN, Univ. Illinois-Chicago, USA

Discussant: Soomi LEE, Univ. La Verne, USA

4:15—5:00

Bureaucratic Influence on Policy: Evidence from Unemployment Insurance

Steven CRAIG, Univ. Houston, USA, Edward HOANG,

Univ. Colorado at Colorado Springs, USA, Janet

KOHLHASE, Univ. Houston, USA

Discussant: Mehmet TOSUN, Univ. Nevada, Reno, USA



Saturday, 1:30 PM—5:00 PM
Paper Session 6B ~ Kings 2
COVID-19, Public Health, & Policy
 Chair: Michael BETZ
 Ohio State Univ., Columbus, USA

1:30—2:15

COVID-19 Policy Contagion

John DOGBEY, Louisiana Tech Univ., Ruston, USA,

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

Jonathan PETERSON, Louisiana Tech Univ., Ruston, USA

Discussant: Daoqin TONG, Arizona State Univ., Tempe, USA

2:15—3:00

Urban Characteristics Affecting COVID-19 Infection

Jisoo CHOI, Seoul National Univ., Republic of Korea,

Youngsung LEE, Seoul National Univ., Republic of Korea

Discussant: Charlotta MELLANDER, Jönköping International Business School, Sweden

Coffee Break: 3:00—3:30

3:30—4:15

The Impact of Differing Covid-19 Mitigation Policies: Three Natural Experiments

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

Discussant: Michael BETZ, Ohio State Univ.,
Columbus, USA

4:15—5:00

COVID-19 Vaccination Rates and Neighborhoods: Evidence from Sweden

Charlotta MELLANDER, Jönköping International Business
School, Sweden, Johan KLAESSON, Jönköping
International Business School, Sweden, Jose LOBO, Arizona
State University, Tempe, USA, Sofia WIXE, Jönköping
International Business School, Sweden, USA

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



Saturday, 1:30 PM—5:00 PM

Paper Session 6C ~ Kings 3

***Spatial Analysis & GIS
in Honor of Arthur Getis (2)***

Chair: Elijah KNAAP
San Diego State Univ., USA

1:30—2:15

***Government Assistance and Small Businesses in
Underserved Communities: Evidence from the Paycheck
Protection Program in the U.S.***

Qingfang WANG, Univ. California Riverside, USA, Wei
KANG, Univ. North Texas, Denton, USA

Discussant: David PLANE, Univ. Arizona, Tucson,
USA

2:15—3:00

***The Utility of Crowdsourcing for Producing Real Time
Traffic Information and Updating Maps: A Theoretical
Review***

Tschangho John KIM, Univ. Illinois, Urbana-Champaign,
USA

Discussant: Ran WEI, Univ. California, Riverside, USA

Coffee Break: 3:00—3:30

3:30—4:15

***Assessing the Impact of Preprocessing and Conversion
Technologies on the Location and Economics of the
Sustainable Aviation Fuel Supply Chains from Forest
Residues in the Southeast U.S.***

Pengzhen LI, Univ. Tennessee, Knoxville, USA, T. Edward
YU, Univ. Tennessee, Knoxville, USA, Burton C.
ENGLISH, Univ. Tennessee, Knoxville, USA, Carlos
TREJO-PECH, Univ. Tennessee, Knoxville, USA, James A.
LARSON, Univ. Tennessee, Knoxville, USA

Discussant: Elijah KNAAP, San Diego State Univ.,
USA

4:15—5:00

***Dynamics of Health Disparities in COVID-19: Evidence
from Social Distancing and Access to Testing***

Ran WEI, Univ. California, Riverside, USA, Yujia ZHANG,
Univ. California, Riverside, USA

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



Saturday, 1:30 PM—4:15 PM

Paper Session 6D ~ Queen 4

Disaster Management & Resilience (2)

Chair: Donghwan AN

Seoul National Univ., Republic of Korea

1:30—2:15

***Assessing Social Equity of Federal Disaster Aid
Distribution: A Nationwide Analysis***

Qing MIAO, Rochester Inst. Technology, USA, Meri
DAVLASHERIDZE, Texas A&M Univ., Galveston, USA,
Allison REILLY, Univ. Maryland, College Park, USA

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

2:15—3:00

***Evaluation of Forest Treatment Planning Considering
Multiple Objectives***

Amelia PLUDOW, Univ. California, Santa Barbara, USA,
Alan MURRAY, Univ. California, Santa Barbara, USA,
Vanessa ECHEVERRI, Univ. California, Santa Barbara,
USA, Richard CHURCH, Univ. California, Santa Barbara,
USA

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

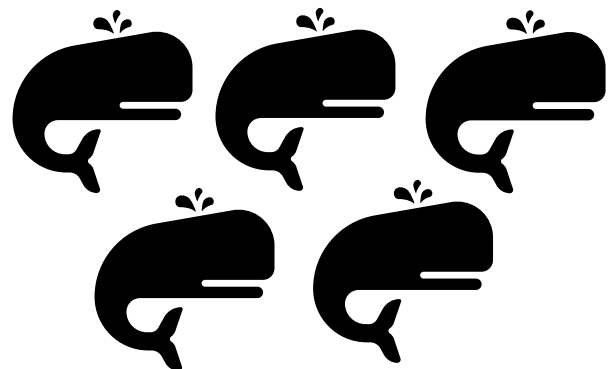
Coffee Break: 3:00—3:30

3:30—4:15

***A Cluster Analysis of Regional Adaptation Behaviors for
Climate Change***

Jaehyun KIM, Korea Rural Economic Inst., Republic of
Korea, Cherry KIM, Seoul National Univ., Republic of
Korea

Discussant: Diogo BAERLOCHER, Univ. South
Florida, Tampa, USA





Saturday, 1:30 PM—5:00 PM
Paper Session 6E ~ Queen 5
The Keith Schwer Memorial
Western State Economic Outlook
 Chair: Richard WOBBEKIND,
 Univ. Colorado, Boulder, USA

1:30—2:15

California Economic Outlook

Raymond SFEIR, Chapman Univ., Orange, USA

2:15—3:00

Colorado Economic Outlook

Richard WOBBEKIND, Univ. Colorado, Boulder, USA

Coffee Break: 3:00—3:30

3:30—4:15

Hawaii Economic Outlook

Peter FULEKY, Univ. Hawai‘i at Mānoa, USA

4:15—5:00

Idaho Economic Outlook

Karl GEISLER, Idaho State Univ., Pocatello, USA



Saturday, 1:30 PM—3:00 PM
Paper Session 6F ~ Waikoloa 1
The Regional Science Academy SAS (2)
“Spotlights on the Region –
in Recognition of Roger Stough”
 Chair: Peter NIJKAMP
 Open Univ., The Netherlands

1:30—2:15

Tracking the Peacocks: A Spatial Analysis of the Chinese Migration System, 1990 -- 2020

John CARRUTHERS, Cornell Univ., Ithaca, USA, Yu
 WANG, Cornell Univ., Ithaca, USA, Sainan LIN,
 Wuhan Univ., China

2:15—3:00

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

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

(Conference ends at 5:00 PM)



“The Way Academic Life Should Be”

Notes

Program Participant Locator

Session assignments are listed following each participant's name:

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

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

5A, 5B, 5C, 5D, 5E, 5F on Saturday Morning
6A, 6B, 6C, 6D, 6E, 6F 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
TRSA-ABC = The Regional Science Academy - ABC Session
RPTK = Reflections on Professor Tatsuhiko Kawashima's Legacy

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

~A~

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XUE, Lan (Lan.Xue@oregonstate.edu): 4E

~Y~

YADAV, Ritesh (yadarite@isu.edu): 3G , 3G
 YANG, Kwang-Sik (ksyang@sch.ac.kr): 1B
 YANG, Weijie (weijie.yang@laverne.edu): 2F , 3F
 YE, Xianjia (x.ye@rug.nl): 2E
 YOON, Dong Keun (dkyoon@yonsei.ac.kr): 3D , 4D
 YOSHIDA, Yuichiro (yuichiro@hiroshima-u.ac.jp): 3C
 YU, Meng (yu.3066@osu.edu): 2A , 3A
 YU, T. Edward (tyu1@utk.edu): 6C

~Z~

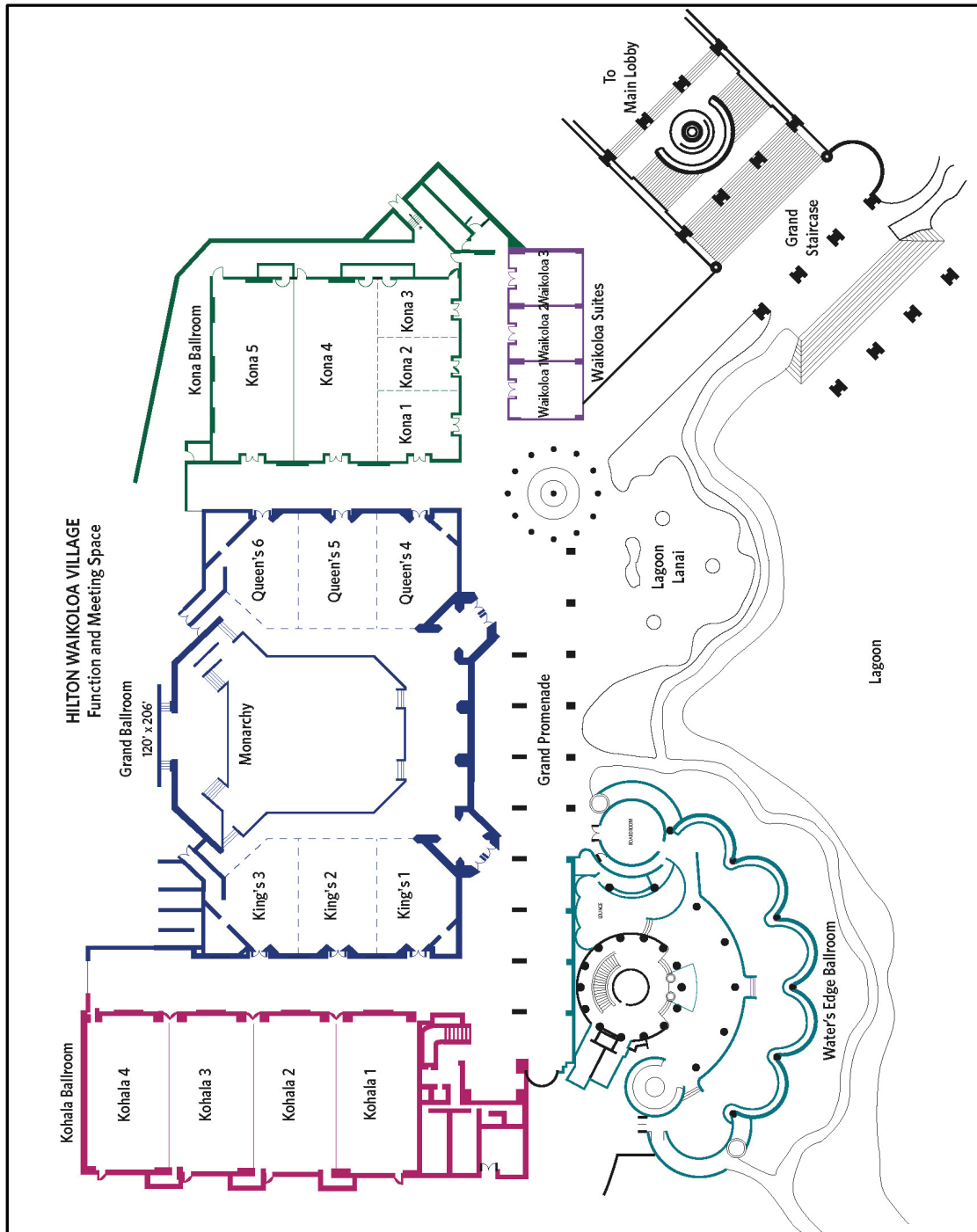
ZALEJSKA-JONSSON, Agnieszka
 (agnes.jonsson@abe.kth.se): 3F
 ZHANG, Jiakai (jiakai.zhang@nmt.edu): 2E , 3E
 ZHANG, Ming (zhangm@austin.utexas.edu): 3E
 ZHANG, Yujia (yujiaz@ucr.edu): 6C

For our digital program, please scan!





Hilton Waikoloa Village



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