



Western Regional Science Association

56th Annual Meeting

La Fonda on the Plaza, Santa Fe, New Mexico
February 15–18, 2017

Santa Fe! This is pretty exciting! Some of us have been around long enough that this isn't our first or even second regional science conference here at the La Fonda on the Plaza. It's nice to be back in familiar surroundings.

The following paragraphs provide an overview of the meeting and give some guidance in terms of navigating the program. First and foremost: please be sure to check your program assignments! There are inevitable changes to session line-ups. The participant locator on pages 15–17 will help you locate your session locations, as will the meeting space map on the back page of this program. Part of what makes the WRSA so special is the quality of its paper sessions—please take a moment to review our session “format and etiquette” on page 8.

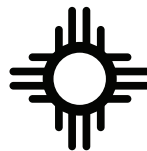
When you picked up your registration materials, you received three tickets, along with your name badge and program. These tickets are just like money, only more colorful! Don't lose them. The GREEN ticket can be used for a first drink at the Welcoming Reception on Wednesday evening. For your first drink at the President's Reception on Friday evening, use the ORANGE ticket. You will need the third ticket (PURPLE) to gain entry to the Annual Banquet Luncheon on Friday.

Our meeting opens on Wednesday afternoon with the 7th Annual Lay James Gibson Opening Plenary. This year we are very pleased to have Steve Vierck from the Economic Development Corporation of Lea County, New Mexico, with us. Following the Opening Plenary, please join us in the La Terraza Room on the third floor for a drink and some light hors d'oeuvres at the Welcoming Reception.

Thursday, our first full meeting day, gets off to a relaxed start with the 5th Annual Getis-Ord Lecture at 9:30 AM. Save some room for a late breakfast, as we'll have pastries and coffee/tea available at the Lecture! This year we welcome noted spatial econometrician, James LeSage, as our speaker.

Friday is our big meeting day: morning and afternoon sessions, along with our Luncheon midday and the President's Reception in the evening (both in La Terraza on the third floor). Don't miss the Luncheon: southwestern cuisine on the menu, Alan Murray's Presidential Address, and the Tiebout and Springer Prizes—not to mention good company and conversation during the meal.

All the best for a productive and stimulating meeting and a great visit to Santa Fe, New Mexico!



Wednesday, February 15

12:00–3:00 PM, NE-1049 Business Meeting (Exchange)

2:00–6:00 PM, Registration (Mezzanine)

3:30–5:15 PM, Plenary Opening Session
(Ballroom South)

5:30–7:00 PM, Welcoming Reception (La Terraza)

Wednesday, 3:30–5:15 PM

Ballroom South



The 7th Annual Lay James Gibson Plenary Opening Session

Chair: Lay James GIBSON, Univ. Arizona, Tucson, USA
and 39th WRSA President (1998–1999)

**“New Mexico's Economic Drivers:
From Hatch Chile to Spaceport America”**

Steve VIERCK, Economic Development Corporation of Lea
County (EDCLC), New Mexico, USA

Discussant: Jeffrey MITCHELL, Univ. New Mexico,
Albuquerque, USA



Wednesday, 5:30–7:00 PM

La Terraza

Welcoming Reception

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



Thursday, February 16

8:30–11:45 AM, **Registration** (Mezzanine)

9:30–11:30 AM, **5th Annual Getis-Ord Lecture in Spatial Analysis** (Ballroom South)

11:30 AM–1:00 PM, **Lunch Break** (On your own this day)

1:00–4:45 PM, **Registration Continues** (Mezzanine)

1:00–4:30 PM, **Concurrent Sessions:**

- 1A Regulation and Development (Santa Fe)
- 1B Transportation and Accessibility (Stiha)
- 1C Regional Science Academy Open Academic Forum (New Mexico)
- 1D Environmental Challenges (Exchange)
- 1E Topics in Growth (Ballroom North)
- 1F NE-1049 Entrepreneurship and Economic Development (Ballroom South)

2:30–3:00 PM, **Coffee Break** (Mezzanine)

4:30–6:00 PM, **WRSa Board Meeting** by invitation only (La Terraza)

Thursday, 9:30–11:30 AM Ballroom South

5th Annual Getis-Ord Lecture in Spatial Analysis

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

Mixing spatial and other types of cross-sectional dependence
James P. LESAGE, Texas State Univ., San Marcos, USA

Discussant: Serge REY, Arizona State Univ., Tempe, USA

Light breakfast will be available at the talk.



Thursday, 11:30 AM–1:00 PM
Lunch Break (On your own this day)



Thursday, 1:00–4:30 PM Paper Session 1A ~ Santa Fe Regulation and Development

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

1:00–1:45

Can bureaucrats manipulate policy outcomes?

Steven G. CRAIG, Univ. Houston, Texas, Edward C. HOANG, Univ. Colorado, Colorado Springs, and Janet E. KOHLHASE, Univ. Houston, Texas, USA

Discussant: Peter NIJKAMP, Free Univ., Amsterdam, The Netherlands

1:45–2:30

Searching for Engel in Buenos Aires: An inquiry into land use regulations and informal housing

Eric J. HEIKKILA and Julia G. HARTEN, Univ. Southern California, Los Angeles, USA

Discussant: Karima KOURTIT, Royal Inst. Technology (KTH), Stockholm, Sweden

Coffee Break: 2:30–3:00

3:00–3:45

Out of market lending and regional activity

Jamie HAAG, Pacific Univ., Oregon, USA

Discussant: Jon R. MILLER, Univ. Idaho, Moscow, USA

3:45–4:30

The robustness of performance rankings of Asia-Pacific cities

Peter NIJKAMP, Free Univ., Amsterdam, The Netherlands, Soushi SUZUKI, Hokkaido Univ. Education, Japan, and Karima KOURTIT, Royal Inst. Technology (KTH), Stockholm, Sweden

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



Thursday, 1:00–4:30 PM Paper Session 1B ~ Stiha Transportation and Accessibility

Chair: Roger STOUGH, George Mason Univ., Fairfax, Virginia, USA

1:00–1:45

An empirical analysis of healthcare and cultural service accessibility of rural area in Korea

ManYi KIM and Donghwan AN, Seoul National Univ., Korea

Discussant: Terry L. CLOWER, George Mason Univ. Fairfax, Virginia, USA

1:45–2:30

Understanding freight flows in cities: Does density crowd out freight intensive activities?

Genevieve GIULIANO, Sanggyun KANG, Quan YUAN, and Eun-Jin SHIN, Univ. Southern California, Los Angeles, USA

Discussant: Alireza ERMAGUN, Univ. Minnesota, Minneapolis, USA

Coffee Break: 2:30–3:00



3:00–3:45

Impact of high-speed rail on regional economic disparity in China

Zhenhua CHEN, Ohio State Univ., Columbus, and Kingsley HAYNES, George Mason Univ., Fairfax, Virginia, USA

Discussant: Peter L. STENBERG, U.S. Dept. Agriculture, Washington, DC, USA

3:45–4:30

The impact of high-speed trains on agriculture land: Evidence from China

Meng YU, Cornell Univ., Ithaca, New York, and Yuri MANSURY, Illinois Inst. Technology, Chicago, USA

Discussant: Bradley W. LANE, Univ. Kansas, Lawrence, USA



Thursday, 1:00–4:30 PM

Panel Session 1C ~ New Mexico***Regional Science Academy Open Academic Forum***

Chair: David A. PLANE, Univ. Arizona, Tucson, USA

SIGNATURES OF REGIONAL SCIENCE***The Regional Science Academy Lecture Series: "Great Minds in Regional Science"***

Gordon MULLIGAN, Univ. Arizona, Tucson, USA

Martin Beckmann***The Regional Science Academy Lecture Series: "The Voice of the Regional Science Academy"******Expanding the Content of Regional Science--Risks and Rewards***

Lay James GIBSON, Univ. Arizona, Tucson, USA

Geography's Declining Influence on Regional Science

Arthur GETIS, San Diego State Univ., California, USA

The Regional Science Academy Ex Libris Session on:***Which 2 or 3 Regional Science publications have been essential for your career, and why?***

Serge REY, Arizona State Univ., Tempe, USA

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

John CARRUTHERS, George Washington Univ., Washington, D.C., USA

Dan S. RICKMAN, Oklahoma State Univ., Stillwater, USA



Thursday, 1:00–4:30 PM

Paper Session 1D ~ Exchange***Environmental Challenges***

Chair: Kristy WALLMO,

National Marine Fisheries Service, Maryland, USA

1:00–1:45

Los Angeles basin stormwater conservation: Trade-off and economic analysis

Steven L. PIPER, Bureau Reclamation, Denver, Colorado, USA

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

1:45–2:30

Air pollution and perception-based averting behaviour in the Jinchuan mining Area, China: A structural equation modeling (SEM) approach

Zhengtao LI and Henk FOLMER, Univ. Groningen, The Netherlands, and Jianhong XUE, Northwest A&F Univ., China

Discussant: Allison G. BAUMAN, Colorado State Univ., Fort Collins, USA

Coffee Break: 2:30–3:00

3:00–3:45

Modeling the impact of transaction costs in water markets in the western U.S.

Allison G. BAUMAN, Christopher GOEMANS, and James PRITCHETT, Colorado State Univ., Fort Collins, USA

Discussant: Matthias RUTH, Northeastern Univ., Boston, Massachusetts, USA

3:45–4:30

Estimation and projection of institutional building electricity consumption

Binita KC and Matthias RUTH, Northeastern Univ., Boston, Massachusetts, USA

Discussant: Jing LIANG, Arizona State Univ., Tempe, USA



Thursday, 1:00–4:30 PM

Paper Session 1E ~ Ballroom North***Topics in Growth***

Chair: Mark SKIDMORE, Michigan State Univ., East Lansing, USA

1:00–1:45

Regional growth differences in China for 1995–2013: An integrative analysis of their sources

Dan S. RICKMAN and Hongbo WANG, Oklahoma State Univ., Stillwater, USA

Discussant: Masaaki TOMA, Osaka Univ., Japan

1:45–2:30

Globalization, coagglomeration and Japanese MNEs' overseas location in East Asia: A case of Japanese automobile industry

Suminori TOKUNAGA, Reitaku Univ., Japan

Discussant: Alexandra SCHAFFAR, Univ. Toulon, France

Coffee Break: 2:30–3:00

3:00–3:45

The impacts of firm maturity on location preference: An analysis of manufacturing firm relocation in South Korea

Yoojin YI, Euijune KIM, and Seung-Woon MOON, Seoul National Univ., Korea

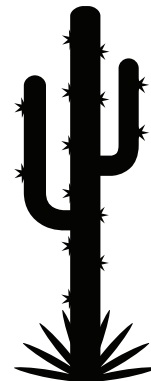
Discussant: Benson IGESA, Reitaku Univ., Japan

3:45–4:30

General equilibrium model with big box

Masa K. NAITO, Niigata Univ., Japan

Discussant: Michel DIMOU, Univ. Toulon, France



Thursday afternoon program continues on page 4...



Thursday, 1:00–4:30 PM

Paper Session 1F ~ Ballroom South

NE-1049 Entrepreneurship and Economic Development

Chair: Mark PARTRIDGE,

Ohio State Univ., Columbus, USA

1:00–1:45

Rural migration patterns and entrepreneurship

Matt KURES, Steven DELLER, and Tessa CONROY, Univ.

Wisconsin, Madison, USA

Discussant: Mark PARTRIDGE, Ohio State Univ., Columbus, USA

1:45–2:30

Does the tide lift all boats? Entrepreneurial response to economic conditions across the rural-urban hierarchy

Alexandra TSVETKOVA, Mark PARTRIDGE, and Michael R.

BETZ, Ohio State Univ., Columbus, USA

Discussant: Steven DELLER, Univ. Wisconsin, Madison, USA

Coffee Break: 2:30–3:00

3:00–3:45

Do as I do: An application of discrete choice with social interactions to entrepreneurship

Tessa CONROY, Univ. Wisconsin, Madison, and Stephan

WEILER, Colorado State Univ., Fort Collins, USA

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

3:45–4:30

Self-employment effects on regional growth: A bigger bang for a buck?

Alexandra TSVETKOVA, Mark PARTRIDGE, and Michael R. BETZ, Ohio State Univ., Columbus, USA

Discussant: Tessa CONROY, Univ. Wisconsin, Madison, USA

Thursday, 4:30–6:00 PM

WRSa Board Meeting

(By invitation only)

La Terraza



Convenor:

Rachel Franklin,

Brown Univ., Providence, Rhode Island, USA,
and WRSa Executive Director



Friday, February 17

8:00 AM–12:15 PM, **Registration** (Mezzanine)

8:30 AM–12:00 PM, **Concurrent Sessions:**

2A The Keith Schwer Memorial Western States Economic Outlook Under a Trump Presidency (Santa Fe)

2B Spatial Methods I (Stiha)

2C Housing I (New Mexico)

2D Remote Regions I: Economic Development, Governance, and Culture (Exchange)

2E Disaster Impact, Health, and Resilience (Ballroom North)

2F Entrepreneurship and Innovation (Ballroom South)

10:00–10:30 AM, **Coffee Break** (Mezzanine)

12:15–2:15 PM, **Annual Banquet Luncheon**

(La Terraza)

2:30–6:15 PM, **Registration Continues** (Mezzanine)

2:30–6:00 PM, **Concurrent Sessions:**

3A Topics in Development (Santa Fe)

3B Spatial Methods II (Stiha)

3C Housing II (New Mexico)

3D Belmont Book Session I: Sustainability and Development in the Arctic: A Synthesis of Knowledge (Exchange)

3E Calibrating Innovation (Ballroom North)

3F Entrepreneurship that Works (Ballroom South)

3G NE 1049 Local Food Economics: What's Working? (Ballen Board Room)

4:00–4:30 PM, **Coffee Break** (Mezzanine)

6:15–7:45 PM, **President's Reception** (La Terraza)



Friday, 8:30 AM–12:00 PM

Panel Session 2A ~ Santa Fe

The Keith Schwer Memorial Western States Economic Outlook Under a Trump Presidency

Chair: Richard WOBBEKIND,

Univ. Colorado, Boulder, USA

Arizona

George HAMMOND, Univ. Arizona, Tucson, USA

California

Raymond SFEIR, Chapman Univ., California, USA

Colorado

Richard WOBBEKIND, Univ. Colorado, Boulder, USA

Montana

Brandon BRIDGE, Univ. Montana, Missoula, USA

Coffee Break: 10:00–10:30

Nevada

Stephen MILLER, Univ. Nevada, Las Vegas, USA

New Mexico

Jeffrey MITCHELL, Univ. New Mexico, Albuquerque, USA

Texas

Bruce KELLISON, Univ. Texas, Austin, USA

Utah

Juliette TENNERT, Univ. Utah, Salt Lake City, USA

Washington

R. Pete PARCELLS, Whitman College, Walla Walla, Washington, USA



Friday, 8:30 AM–12:00 PM

Paper Session 2B ~ Stiha**Spatial Methods I**

Chair: Serge REY, Arizona State Univ., Tempe, USA
8:30–9:15

A Bayesian spatial panel model with heterogenous coefficients

James P. LESAGE and Yao-Yu CHIH, Texas State Univ., San Marcos, USA

Discussant: Ingmar R. PRUCHA, Univ. Maryland, College Park, USA

9:15–10:00

Measuring spatial interactions among retailers: Accounting for zoning and spatial dependence

Isabelle NILSSON, Univ. North Carolina, Charlotte, and Oleg SMIRNOV, Univ. Toledo, Ohio, USA

Discussant: Wei KANG, Arizona State Univ., Tempe, USA

Coffee Break: 10:00–10:30

10:30–11:15

Regional income mobility and spatial dependence

Wei KANG and Serge REY, Arizona State Univ., Tempe, USA

Discussant: Yao-Yu CHIH, Texas State Univ., San Marcos, USA

11:15–12:00

The growth of small insular economies

Michel DIMOU and Alexandra SCHAFFAR, Univ. Toulon, France

Discussant: Serge REY, Arizona State Univ., Tempe, USA



Friday, 8:30 AM–12:00 PM

Paper Session 2C ~ New Mexico**Housing I**

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

8:30–9:15

Rent control and evictions: Evidence from San Francisco

Brian James ASQUITH, Univ. California, Irvine, USA

Discussant: John CARRUTHERS, George Washington Univ., Washington, D.C., USA

9:15–10:00

The subjective assessment of quality of urban life in Hong Kong: An overview

Robert STIMSON, Univ. Melbourne, Australia, Chien Tat LOW and Si CHEN, Univ. Hong Kong, China, Ester CERIN, Australian Catholic Univ., and Paulina WONG and Poh-Chin LAI, Univ. Hong Kong, China

Discussant: Mats WILHELMSSON, Royal Inst. Technology (KTH), Stockholm, Sweden

Coffee Break: 10:00–10:30

10:30–11:15

An analysis on the determinants for housing tenure type and real estate assets of retiree

Jaesong LEE, Hyunsoo KIM, Hyobi CHOI, and Yeol CHOI, Pusan National Univ., Korea

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

11:15–12:00

Urban revitalization and targeted demolitions: How housing markets respond to city-led redevelopment

Nicholas IRWIN, Ohio State Univ., Columbus, USA

Discussant: Steven G. CRAIG, Univ. Houston, Texas, USA



Friday, 8:30 AM–12:00 PM

Paper Session 2D ~ Exchange**Remote Regions I:****Economic Development, Governance, and Culture**

Chair: Lee HUSKEY, Univ. Alaska, Anchorage, USA

8:30–9:15

Heading north, staying north? The increasing importance of international migrants to northern and remote Australia

Andrew TAYLOR, Charles Darwin Univ., Australia

Discussant: Dwight NEWMAN, Univ. Saskatchewan, Saskatoon, Canada

9:15–10:00

Bringing Aboriginal Title Lands in northern Canada into the economic mainstream

Dwight NEWMAN, Univ. Saskatchewan, Saskatoon, Canada

Discussant: Pierre-Marcel DESJARDINS, Univ., Moncton, Canada

Coffee Break: 10:00–10:30

10:30–11:15

The impact of declining 8(a) revenues on regional Alaska native corporations

Greg PROTASEL, Univ. Alaska, Anchorage, USA

Discussant: Andrew TAYLOR, Charles Darwin Univ., Australia

11:15–12:00

The impact of rural airports: A Canadian perspective

Pierre-Marcel DESJARDINS, Univ., Moncton, Canada, and

Laurent GUIHÉRY, Univ. Cergy-Pontoise, France

Discussant: Barry GOUGH, Wilfrid Laurier Univ., Canada



Friday morning program continues on page 6...



Friday, 8:30 AM–12:00 PM
Paper Session 2E ~ Ballroom North
Disaster Impact, Health, and Resilience

Chair: Henk FOLMER, Univ. Groningen, The Netherlands
 8:30–9:15

Evaluating the role of resilience in recovering from major port disruptions: A multi-regional analysis

Dan WEI, Univ. Southern California, Los Angeles, Zhenhua CHEN, Ohio State Univ., Columbus, and Adam ROSE, Univ. Southern California, Los Angeles, USA

Discussant: Steven L. PIPER, Bureau Reclamation, Denver, Colorado, USA

9:15–10:00

Impacts of climate change and climate-related natural disasters on local labor markets

Jianhong MU, Oklahoma State Univ., Stillwater, and Yong CHEN, Oregon State Univ., Corvallis, USA

Discussant: Jungmin LIM, Michigan State Univ., East Lansing, USA

Coffee Break: 10:00–10:30

10:30–11:15

Human components of flood impacts in the United States: Economic status, housing, and government

Jungmin LIM and Mark SKIDMORE, Michigan State Univ., East Lansing, USA

Discussant: Adam ROSE, Univ. Southern California, Los Angeles, USA

11:15–12:00

Built environment and air pollution exposure as determinants of asthma disparities in Los Angeles County

Yonsu KIM, Frank WEN, Simon CHOI, John CHO, and Jung SEO, Southern California Assoc. Governments, Los Angeles, USA

Discussant: YongJin AHN, Daegu Univ, Korea

**Many Thanks to the 2016–2017
 Program Committee!**

Mark Brown, Statistics Canada
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 Alessandra Faggian, Ohio State Univ.
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Co-Chairs:

David Plane, Univ. Arizona
 Matthias Ruth, Northeastern Univ.

Chair:

Rachel Franklin, Brown Univ.



Friday, 8:30–12:00 PM
Paper Session 2F ~ Ballroom South
Entrepreneurship and Innovation

Chair: Maria ABREU, Univ. Cambridge, United Kingdom
 8:30–9:15

It's what and who you know: Women entrepreneurs, information asymmetry, and economic growth

Stephan WEILER, Colorado State Univ., Fort Collins, and Tessa CONROY, Univ. Wisconsin, Madison, USA

Discussant: Martin Olof ANDERSSON, Blekinge Inst. Technology, Sweden

9:15–10:00

Sustainable entrepreneurship: Values, social networks and spatial concentration

Aleid Elizabeth BROUWER, Univ. Groningen, The Netherlands

Discussant: Özge ÖNER, Jönköping International Business School, Sweden

Coffee Break: 10:00–10:30

10:30–11:15

Age, location, and industry effects on rural innovation

Chantalle E. LAFONTANT, Tim SLAPER, and David B.

AUDRETSCH, Indiana Univ., Bloomington, USA

Discussant: Li FANG, Univ. Maryland, College Park, USA

11:15–12:00

Internet provision in rural Hispanic households

Peter L. STENBERG, U.S. Dept. Agriculture, Washington, DC, USA

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



Friday, 12:15–2:15 PM
Annual Banquet Luncheon

La Terraza

(For all registered and paid participants; tickets required)

Chair: Bruce NEWBOLD,
 56th WRSA President (2015–2016)

Announcements

Rachel S. FRANKLIN, WRSA Executive Director

The 21st Springer-Verlag Prize

Presented by:

Martin Olof ANDERSSON, Euijune KIM,
 and Janet E. KOHLHASE
 Editors, *The Annals of Regional Science*

The 31st Charles M. Tiebout Prize

Presented by:

Serge REY, 55th WRSA President (2014–2015)
 and Chair, 2016–2017 Reading Committee

Presidential Address:

Analytics in Regional Science

Alan MURRAY, 58th WRSA President (2017–2018)

Discussant

Daoqin TONG, Univ. Arizona, Tucson, USA



Western Regional Science Association

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Harry Richardson, Autonomous Univ. State of Mexico

Roger Stough, George Mason University

Waldo Tobler, University of California, Santa Barbara

*ex officio, *Annals* editors



Friday, 2:30–6:00 PM Paper Session 3A ~ Santa Fe Topics in Development

Chair: Robert STIMSON, Univ. Melbourne, Australia
2:30–3:15

Modified Analytic Hierarchy Process for project proposal evaluation: An alternative method for practical implementation

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

Discussant: Neil REID, Univ. of Toledo, Ohio, USA

3:15–4:00

Natural advantage and agglomeration of Washington wineries

Jon R. MILLER and Daniel C. HICKMAN, Univ. Idaho, Moscow, USA

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

Coffee Break: 4:00–4:30

4:30–5:15

Geographic patterns of craft breweries at the intra-metropolitan scale

Isabelle NILSSON, Univ. North Carolina, Charlotte, and Neil

REID and Matthew LENHART, Univ. Toledo, Ohio, USA

Discussant: Tim SLAPER, Indiana Univ., Bloomington, USA

5:15–6:00

The impact of Kenyan fiscal policy and tariff elimination to the Kenyan economy

Suminori TOKUNAGA, Benson IGESA, and Mitsuru OKIYAMA, Reitaku Univ., Japan

Discussant: Jamie HAAG, Pacific Univ., Oregon, USA



Friday, 2:30–6:00 PM Paper Session 3B ~ Stihl Spatial Methods II

Chair: Arthur GETIS,

San Diego State Univ., California, USA

2:30–3:15

A robust test for network generated dependence

Xiaodong LIU, Univ. Colorado, Boulder, and Ingmar R. PRUCHA, Univ. Maryland, College Park, USA

Discussant: Arthur GETIS, San Diego State Univ., California, USA

3:15–4:00

Network weight matrices and traffic flow analysis

Alireza ERMAGUN, Univ. Minnesota, Minneapolis, USA

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

Coffee Break: 4:00–4:30

4:30–5:15

The Maximal Covering Shortest Path Problem: The problem of finding optimality

Rick CHURCH and Timothy J. NIBLETT, Univ. California, Santa Barbara, USA

Discussant: Daoqin TONG, Univ. Arizona, Tucson, USA

5:15–6:00

Transportation factors affecting child asthma morbidity:

Evidence from spatial analysis in the city of Seoul, South Korea

YongJin AHN, Daegu Univ, Korea, and Dohyung KIM, California Polytechnic State Univ., Pomona, USA

Discussant: John CARRUTHERS, George Washington Univ., Washington, D.C., USA

Friday afternoon program continues on page 8...



Friday, 2:30–6:00 PM
Paper Session 3C ~ New Mexico
Housing II

Chair: Euijune KIM, Seoul National Univ., Korea

2:30–3:15

Environmentally sustainable and affordable housing near transit in Los Angeles

Marlon BOARNET, Raphael BOSTIC, Seva RODNYANSKY, and Raul SANTIAGO-BARTOLOMEI, Univ. Southern California, Los Angeles, USA

Discussant: Nicholas IRWIN, Ohio State Univ., Columbus, USA

3:15–4:00

Differences in capitalization of accessibility between modes of transportation -- Car, bus and rail

Mats WILHELMSSON and Fredrik KOPSCH, Royal Inst. Technology (KTH), Stockholm, Sweden

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

Coffee Break: 4:00–4:30

4:30–5:15

The impact of trails on property values

Matt GNAGEY and Therese GRIJALVA, Weber State Univ., Ogden, Utah, USA

Discussant: Brian James ASQUITH, Univ. California, Irvine, USA

5:15–6:00

Business churning and neighborhood stability: Is there a link?

Jae Hong KIM, Kevin KANE, Young-An KIM, and John R. HIPPI, Univ. California, Irvine, USA

Discussant: Yeol CHOI, Pusan National Univ., Korea

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!*



Friday, 2:30–6:00 PM
Paper Session 3D ~ Exchange
Belmont Book Session I:

Sustainability and Development in the Arctic: A Synthesis of Knowledge

Chair: Chris SOUTHCOTT, Lakehead Univ., Canada

2:30–3:15

Introduction

Andrey PETROV, Univ. Northern Iowa, USA

3:15–4:00

Concepts of sustainability and sustainable development and the Arctic

Peter SCHWEITZER, Univ. Vienna, Austria, and Jessica

GRAYBILL, Colgate Univ., New York, USA

Coffee Break: 4:00–4:30

4:30–5:15

Methodological approaches to understanding sustainability

Gary KOIFINAS, Univ. Alaska, Fairbanks, USA

5:15–6:00

Sustainable environments

Jessica GRAYBILL, Colgate Univ., New York, USA



Friday, 2:30–6:00 PM
Paper Session 3E ~ Ballroom North
Calibrating Innovation

Chair: Kingsley HAYNES, George Mason Univ., Fairfax, Virginia, USA

2:30–3:15

Advantage integration-based collaborative innovation system: Performance measurement and system optimization

Yongda YU and Yinyao SUN, Tsinghua Univ., China, and Roger STOUGH, George Mason Univ., Fairfax, Virginia, USA

Discussant: Bradley W. LANE, Univ. Kansas, Lawrence, USA

3:15–4:00

Demand for unmanned aircraft: Challenges, opportunities and operational restrictions

Bijan VASIGH, Embry-Riddle Aeronautical Univ., Daytona Beach, Florida, Darryl JENKINS, Consultant, Virginia, and G. Rod ERFANI, Transylvania Univ., Lexington, Kentucky, USA

Discussant: Kingsley HAYNES, George Mason Univ., Fairfax, Virginia, USA

Coffee Break: 4:00–4:30

4:30–5:15

On the meaning and influence of range anxiety on the adoptability of electric vehicles

Bradley W. LANE, Univ. Kansas, Lawrence, USA

Discussant: Yonsu KIM, Southern California Assoc. Governments, Los Angeles, USA

5:15–6:00

Governance and the China innovation economy

Roger STOUGH, George Mason Univ., Fairfax, Virginia, USA

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



Friday, 2:30–6:00 PM
Paper Session 3F ~ Ballroom South
Entrepreneurship that Works

Chair: Aleid Elizabeth BROUWER,
 Univ. Groningen, The Netherlands

2:30–3:15

Layers of segregation and the probability of employment and entrepreneurship among immigrants: Neighborhood, city, region
 Özge ÖNER and Johan KLAESSON, Jönköping International Business School, Sweden

Discussant: Sierdjan KOSTER, Univ. Groningen, The Netherlands

3:15–4:00

Gender patterns in academic entrepreneurship

Maria ABREU, Univ. Cambridge, and Vadim GRINEVICH, Univ. Southampton, United Kingdom

Discussant: Prahlad KASTURI, Radford Univ., Virginia, USA

Coffee Break: 4:00–4:30

4:30–5:15

Can I borrow some urbanization? The influence of urban spillovers on start-up patterns

Lianne HANS and Sierdjan KOSTER, Univ. Groningen, The Netherlands

Discussant: Stephan WEILER, Colorado State Univ., Fort Collins, USA

5:15–6:00

The relationship between economic growth, innovation and entrepreneurship revisited

Prahlad KASTURI and Daniel FARHAT, Radford Univ., Virginia, USA

Discussant: Maki KATO, Hitotsubashi Univ., Japan



Friday, 2:30–5:15 PM
Paper Session 3G ~ Ballen Board Room
NE-1049 Local Food Economics: What's Working?

Chair: Dawn THILMANY MCFADDEN,
 Colorado State Univ., Fort Collins, USA

2:30–3:15

Farmer characteristics and direct-to-consumer agricultural sales

Jeffrey K. OHARA, USDA Agricultural Marketing Service, and Dave SHIDELER, Oklahoma State Univ., Stillwater, USA

Discussant: Dawn THILMANY MCFADDEN, Colorado State Univ., Fort Collins, USA

3:15–4:00

Local food hubs: Profit viability and social responsibility

Rebecca CLEARY and Stephan J. GOETZ, Pennsylvania State Univ., Alessandro BONANNO, Colorado State Univ., Fort Collins, and Houtian GE, Pennsylvania State Univ., USA

Discussant: Dave SHIDELER, Oklahoma State Univ., Stillwater, USA

Coffee Break: 4:00–4:30

4:30–5:15

The financial performance implications of differential marketing strategies: Exploring farms that pursue local markets as a core competitive advantage

Dawn THILMANY MCFADDEN, Allison G. BAUMAN, and Becca B.R. JABLONSKI, Colorado State Univ., Fort Collins, USA

Discussant: Rebecca CLEARY, Pennsylvania State Univ., University Park, USA

The WRSA Heads to Pasadena in 2018!

That's right! For our 57th Annual Meeting, the WRSA is trying something completely new: Pasadena, California. Our 2018 meeting will be held February 11–14 at the Hilton Pasadena. The Hilton, which should be newly renovated shortly before our arrival, is ideally situated for taking advantage of Pasadena's very walkable downtown restaurant and shopping area. Getting to Pasadena is also relatively straightforward: participants can choose to fly into Los Angeles or Burbank airport.

Our meeting starts next year on a Sunday (February 11) with our opening plenary and Welcoming Reception and will be followed by three full days of sessions on Monday, Tuesday, and Wednesday. Our room rate for the Hilton is \$199 per night (plus taxes and fees) and includes in-room internet and discounted parking.

Stayed tuned for further meeting details this spring and summer on the WRSA website, our email listserv, and the *Newsletter*. Always helpful to keep in mind: our traditional October 15 deadline for paper submissions!

Hope to see you in picturesque Pasadena next February!



Friday, 6:15–7:45 PM
 La Terraza

President's Reception

For all participants and accompanying persons



Saturday program can be found on page 10...



Saturday, February 18

8:00 AM–12:45 PM, **Registration** (Mezzanine)

8:30 AM–12:00 or 12:45 PM, **Concurrent Sessions:**

- 4A Economic Development (Santa Fe)
- 4B Resource Management and Value (Stiha)
- 4C Cities I (New Mexico)
- 4D Belmont Book Session II: Sustainability and Development in the Arctic: A Synthesis of Knowledge (Exchange)
- 4E Population (Ballroom North)
- 4F Trade (Ballroom South)
- 4G Poverty and Inequality (Ballen Board Room)

10:00–10:30 AM, **Coffee Break** (Mezzanine)

12:45–2:00 PM, **Lunch Break** (On your own this day)

2:00–5:30 PM, **Concurrent Sessions:**

- 5A Social Safety Net Research (Santa Fe)
- 5B Energy and the Environment (Stiha)
- 5C Cities II (New Mexico)
- 5D Belmont Book Session III: Sustainability and Development in the Arctic: A Synthesis of Knowledge (Exchange)
- 5E Labor Markets and Employment (Ballroom North)
- 5F Development and Trade (Ballroom South)

3:30–4:00 PM, **Coffee Break** (Mezzanine)

(5:30 PM, *End of Conference*)



Saturday, 8:30 AM–12:00 PM Paper Session 4A ~ Santa Fe Economic Development

Chair: R. Pete PARCELLS, Whitman College,
Walla Walla, Washington, USA

8:30–9:15

Patent exploitation versus patent creation: Using patent-technology and industry-technology to assess production and R&D colocation in U.S. counties

Tim SLAPER and Karter HARMON, Indiana Univ., Bloomington, USA

Discussant: Thu Ha VU, Hiroshima Univ., Japan

9:15–10:00

Business climate is in the eye of the employer

Philip WATSON and Haley HILDEBRANDT, Univ. Idaho, Moscow, USA

Discussant: Chantalle E. LAFONTANT, Indiana Univ., Bloomington, USA

Coffee Break: 10:00–10:30

10:30–11:15

Does market size matter for gambling-based tourism?

Karl R. GEISLER, New Mexico State Univ., Las Cruces, USA

Discussant: Irving LLAMOSAS-ROSAS, Univ. Guadalajara, Jalisco, Mexico

11:15–12:00

Clusters and innovation: Selection or learning?

Li FANG, Univ. Maryland, College Park, USA

Discussant: Isabelle NILSSON, Univ. North Carolina, Charlotte, USA



Saturday, 8:30 AM–12:45 PM

Paper Session 4B ~ Stiha Resource Management and Value

Chair: Gordon MULLIGAN, Univ. Arizona, Tucson, USA

8:30–9:15

Woody biomass processing: Potential economic impacts on rural regions

Randall JACKSON, Amir B. FERRERA NETO, and Elham

ERFANIAN, West Virginia Univ., Morgantown, USA

Discussant: Brian H.S. Hong Sok KIM, Seoul National Univ., Korea

9:15–10:00

Using choice models to inform large marine protected area design

Rosemary KOSAKA and Kristy WALLMO, National Marine

Fisheries Service, Maryland, USA

Discussant: Yueming QIU, Arizona State Univ., Tempe, USA

Coffee Break: 10:00–10:30

10:30–11:15

Optimal weed control strategies in rice production under static and dynamic decision rules

Woongchan JEON and Kwansoo KIM, Seoul National Univ., Korea

Discussant: Hodjat GHADIMI, West Virginia Univ., Morgantown, USA

11:15–12:00

How can a housing bust increase natural amenity values?

Evidence from the Georgia coast

Warren KRIESEL, Univ. Georgia, Athens, USA

Discussant: Gordon MULLIGAN, Univ. Arizona, Tucson, USA

12:00–12:45

The effect of urban green on disaster mitigation in Korea

Brian H.S. Hong Sok KIM and So Soon KIM, Seoul National Univ., Korea

Discussant: Warren KRIESEL, Univ. Georgia, Athens, USA



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*. All three coeditors, Martin Andersson, Euijune Kim, and Janet Kohlhase, are here in Santa Fe and will be happy to discuss potential submissions.



Saturday, 8:30 AM–12:00 PM
Paper Session 4C ~ New Mexico
Cities I

Chair: Hans WESTLUND,
 Royal Inst. Technology (KTH), Stockholm, Sweden

8:30–9:15

Agglomeration in Los Angeles

John CHO, Southern California Assoc. Governments, Los Angeles,
 and Peter GORDON, Univ. South Carolina, Los Angeles, USA

Discussant: Daniela Luminita CONSTANTIN, Bucharest
 Univ. Economic Studies, Romania

9:15–10:00

**Structural change in city systems evolution: City interdependence
 in Sweden, 1810–2010**

Martin Olof ANDERSSON, Blekinge Inst. Technology, Börje
 JOHANSSON, Jönköping Univ., and Thomas NIEDOMYSL, Lund
 Univ., Sweden

Discussant: Peter GORDON, Univ. South Carolina, Los
 Angeles, USA

Coffee Break: 10:00–10:30

10:30–11:15

City systems in the Caspian region: A spatial economic analysis

John CARRUTHERS, Negin ASKARZADEH, and Ainur
 MONTAYEVA, George Washington Univ., Washington, DC, USA

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

11:15–12:00

**Modeling the changes of employment subcenters: A comparison
 study of Houston and Dallas**

Qisheng PAN, Texas Southern Univ., Houston, USA

Discussant: Joakim WERNBERG, Lund Univ., Sweden



Saturday, 8:30 AM–12:00 PM
Paper Session 4D ~ Exchange
Belmont Book Session II:

Sustainability and Development in the Arctic:
A Synthesis of Knowledge

Chair: Jessica GRAYBILL, Colgate Univ., New York, USA

8:30–9:15

Sustainable regions and communities

Rasmus Ole RASMUSSEN, Nordregio, Sweden

9:15–10:00

Sustainable economies

Joan LARSEN, Univ. Akureyri, Iceland, and Lee HUSKEY, Univ.
 Alaska, Anchorage, USA

Coffee Break: 10:00–10:30

10:30–11:15

Sustainable cultures

Peter SCHWEITZER and Gertrude SAXINGER, Univ. Vienna,
 Austria

11:15–12:00

Sustainable cities

Aileen ESPIRITU, Univ. Tromsø, Norway



Saturday, 8:30 AM–10:00 AM
Paper Session 4E ~ Ballroom North
Population

Chair: Bruce NEWBOLD, McMaster Univ.,
 Hamilton, Ontario, Canada

8:30–9:15

**Child health outcomes in Sub-Saharan Africa: A comparison of
 changes in climate and socio-economic factors**

Frank M. DAVENPORT IV, Univ. California, Santa Barbara,
 Kathryn GRACE, Univ. Minnesota, Twin Cities, and Chris FUNK
 and Shradhdhanand SHUKLA, Univ. California, Santa Barbara,
 USA

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

9:15–10:00

**Inter-person distance: A new objective measure for assessing
 political redistricting plans**

Daoqin TONG and David A. PLANE, Univ. Arizona, Tucson, and
 Ting LEI, Univ. Kansas, Lawrence, USA

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



Saturday, 8:30 AM–12:45 PM
Paper Session 4F ~ Ballroom South
Trade

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

8:30–9:15

**Why some new firms export - The importance of the Board of
 Directors**

Ingrid VIKLUND ROS, Royal Inst. Technology (KTH), Stockholm,
 Sweden

Discussant: Gregory S. ALWARD, Univ. Idaho, Moscow,
 USA

9:15–10:00

**Analysis of the inland distribution of maritime traffic: An
 application of the gravity model**

Lorena GARCIA-ALONSO, Univ. Oviedo, Spain, Rafael
 GARDUNO-RIVERA, CIDE, Mexico

Discussant: Fredrik KOPSCH, Technology and Society

Coffee Break: 10:00–10:30

10:30–11:15

Firm networks, borders and regional economic integration

Mark BROWN and Afshan DAR-BRODEUR, Statistics Canada,
 Ottawa, Ontario, and Jesse TWEEDLE, Univ. Calgary, Canada

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

11:15–12:00

**Yield spreads, the exchange rate, and recession predictability for
 Northern Mexico border Economies**

Laura M. SAENZ ROJO, Adam WALKE, and Thomas M.
 FULLERTON, Univ. Texas, El Paso, USA

Discussant: Stephen C. COOKE, Alward Institute for
 Collaborative Science

12:00–12:45

**The Ricardian model of climate change impact meets the
 Ricardian model of interregional trade: Theory and evidence**

Sandy DALL ERBA, Univ. Illinois, Urbana-Champaign, Fang
 FANG, Univ. Arizona, Tucson, and Zhangliang CHEN, Univ.
 Illinois, Urbana-Champaign, USA

Discussant: Mark BROWN, Statistics Canada, Ottawa,
 Ontario



Saturday, 8:30 AM–12:00 PM
Paper Session 4G ~ Ballen Board Room
Poverty and Inequality

Chair: Douglas JONES, Ohio State Univ., Columbus, USA
 8:30–9:15

Surviving the Great Recession - The influence of inequality in U.S. urban counties

Paul A. LEWIN, Philip WATSON, and Anna BROWN, Univ. Idaho, Moscow, USA

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

9:15–10:00

Growth and inequality in Southeast Asia: Regional and sub-national perspectives

Masumi ONO, Tokyo Univ. Foreign Studies, Japan

Discussant: Deokho CHO, Daegu Univ., Korea

Coffee Break: 10:00–10:30

10:30–11:15

Spatial analyses of TANF and child neglect during the Great Recession

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

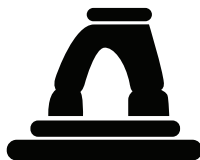
Discussant: Michael FARRELL, Univ. Québec, Trois Rivières, Canada

11:15–12:00

Estimating spillover effects of Asian highway development on economies of Northeast Asia

Euijune KIM, Seung-Woon MOON, and Yoojin YI, Seoul National Univ., Korea

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



Saturday, 12:45–2:00 PM
Lunch Break (On your own this day)



Saturday, 2:00–5:30 PM
Paper Session 5A ~ Santa Fe
Social Safety Net Research

Chair: Qisheng PAN, Texas Southern Univ., Houston, USA
 2:00–2:45

An exploratory study of the regional distribution of non-monetary health care costs, (wait times), in Quebec

Michael FARRELL, Univ. Québec, Trois Rivières, Canada

Discussant: Terry L. CLOWER, George Mason Univ., Fairfax, Virginia, USA

2:45–3:30

Analysis of contributing factors to payment of social security of elderly households using panel data

Deokho CHO, Youngsook CHUNG, and Changwhan YEO, Daegu Univ., Korea

Discussant: Masumi ONO, Tokyo Univ. Foreign Studies, Japan

Coffee Break: 3:30–4:00

4:00–4:45

Transition of spatial distribution of human capital in Japan

Yasuhiro SATO, Univ. Tokyo, and Masaaki TOMA, Osaka Univ., Japan

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

4:45–5:30

Addressing future demand for paratransit services: Cost implications and policy options in the Washington, DC Metro Area

David VERSEL, Terry L. CLOWER, and Jeannette CHAPMAN, George Mason Univ., Fairfax, Virginia, USA

Discussant: Donghwan AN, Seoul National Univ., Korea



Saturday, 2:00–5:30 PM
Paper Session 5B ~ Stihl
Energy and the Environment

Chair: Makena COFFMAN, Univ. Hawaii, Manoa, USA
 2:00–2:45

Do energy retrofits work? Evidence from commercial and residential buildings in Phoenix

Jing LIANG and Yueming QIU, Arizona State Univ., Tempe, Benjamin RUDDELL, Northern Arizona Univ., Flagstaff, Michael DALRYMPLE and Stevan EARL, Arizona State Univ., Tempe, Alex CASTELAZO, American Express, and Timothy JAMES, Arizona State Univ., Tempe, USA

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

2:45–3:30

A regional and multi-regional approach to sustainable global energy systems: Prospects for energy rich regions

Hodjat GHADIMI, West Virginia Univ., Morgantown, USA

Discussant: Bijan VASIGH, Embry-Riddle Aeronautical Univ., Daytona Beach, Florida, USA

Coffee Break: 3:30–4:00

4:00–4:45

Energy savings from state electric energy efficiency programs in the United States, 2007–2012

David BERRY, Western Resource Advocates, Yueming QIU, Arizona State Univ., Tempe, USA

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

4:45–5:30

Integrating renewable energy with time varying pricing

Makena COFFMAN, Paul BERNSTEIN, Sherilyn WEE, and Aida ARIK, Univ. Hawaii, Manoa, USA

Discussant: Kwansoo KIM, Seoul National Univ., Korea





The 58 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



Saturday, 2:00–5:30 PM
Paper Session 5C ~ New Mexico
Cities II

Chair: David A. PLANE, Univ. Arizona, Tucson, USA
 2:00–2:45

Integrated urban planning and planned communities: The case of Reston, Virginia

Daniela Luminita CONSTANTIN, Bucharest Univ. Economic Studies, Romania

Discussant: Rachel S. FRANKLIN, Brown Univ., Providence, Rhode Island, USA

2:45–3:30

Historical experiences of government's role in urbanization and their relevance for current China

Hans WESTLUND, Royal Inst. Technology (KTH), Stockholm, Sweden, and Yuheng LI, Chinese Academy of Sciences, Beijing

Discussant: Juan Carlos G. LOPEZ, Univ. Denver, Colorado, USA

Coffee Break: 3:30–4:00

4:00–4:45

Cultural workers and the character of cities

Juan Carlos G. LOPEZ, Univ. Denver, Colorado, USA

Discussant: John CARRUTHERS, George Washington Univ., Washington, D.C., USA

4:45–5:30

Intracity scaling analysis and micro-agglomerations

Joakim WERNBERG, Lund Univ., Sweden

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



Saturday, 2:00–5:30 PM
Paper Session 5D ~ Exchange
Belmont Book Session III:

Sustainability and Development in the Arctic:
A Synthesis of Knowledge

Chair: Peter SCHWEITZER, Univ. Vienna, Austria

2:00–2:45

Sustainable resources

Chris SOUTHCOTT, Lakehead Univ., Canada, Gary KOIFINAS, Univ. Alaska, Fairbanks, USA

2:45–3:30

Monitoring of sustainability and sustainable development

Tatiana VLASOVA, Andrey PETROV, Univ. Northern Iowa, USA, Joan LARSEN, Univ. Akureyri, Iceland

Coffee Break: 3:30–4:00

4:00–4:45

Governance for sustainability

Klaus Georg HANSEN, Government of Greenland

4:45–5:30

Future directions

Andrey PETROV, Univ. Northern Iowa, USA, Peter SCHWEITZER, Univ. Vienna, Austria, Jessica GRAYBILL, Colgate Univ., New York, USA

Saturday afternoon program continues on page 14...



Saturday, 2:00–5:30 PM
Paper Session 5E ~ Ballroom North
Labor Markets and Employment

Chair: Dan S. RICKMAN,
 Oklahoma State Univ., Stillwater, USA

2:00–2:45

Labor force diversity and new firm formation

Mikaela BACKMAN, Jönköping International Business School,
 Sweden, and Janet E. KOHLHASE, Univ. Houston, Texas, USA
 Discussant: Ingrid VIKLUND ROS, Royal Inst. Technology
 (KTH), Stockholm, Sweden

2:45–3:30

Refugees in Sweden: Granted asylum and seeking jobs

Hans LÖÖF, Royal Inst. Technology (KTH), Stockholm, Sweden
 Discussant: Frank M. DAVENPORT IV, Univ. California,
 Santa Barbara, USA

Coffee Break: 3:30–4:00

4:00–4:45

Demographics, immigration, and market size

Koichi FUKUMURA, Osaka Univ., Kohei NAGAMACHI,
 Kagawa Univ., Yasuhiro SATO, Univ. Tokyo, and Kazuhiro
 YAMAMOTO, Osaka Univ., Japan
 Discussant: Hans LÖÖF, Royal Inst. Technology (KTH),
 Stockholm, Sweden

4:45–5:30

**Why is the labor market participation rate lower for female
 graduates in the metropolitan area of Japan?**

Maki KATO, Hitotsubashi Univ., Japan
 Discussant: Karl R. GEISLER, New Mexico State Univ., Las
 Cruces, USA



Saturday, 2:00–5:30 PM
Paper Session 5F ~ Ballroom South
Development and Trade

Chair: Randall JACKSON,
 West Virginia Univ., Morgantown, USA

2:00–2:45

**An urban-rural interregional Social Accounting Matrix approach
 estimating fiscal flows between regions: An example from Idaho**

Gregory S. ALWARD, Philip WATSON, and R. G. TAYLOR,
 Univ. Idaho, Moscow, USA

Discussant: Rafael GARDUNO-RIVERA, CIDE, Mexico

2:45–3:30

**A sector's contribution to the economy: Compared with the
 Approaches Suggested by IMPLAN**

Stephen C. COOKE and David KAY, Alward Inst. Collaborative
 Science, and Philip WATSON and Gregory S. ALWARD, Univ.
 Idaho, Moscow, USA

Discussant: Adam WALKE, Univ. Texas, El Paso, USA

Coffee Break: 3:30–4:00

4:00–4:45

**Determinants of Foreign Direct Investment attraction in the
 manufacturing sector among Mexican states between 1999–2015:
 A spatial approach**

Felipe FONSECA, Bank of Mexico, and Irving
 LLAMOSAS-ROSAS, Univ. Guadalajara, Jalisco, Mexico

Discussant: Philip WATSON, Univ. Idaho, Moscow, USA

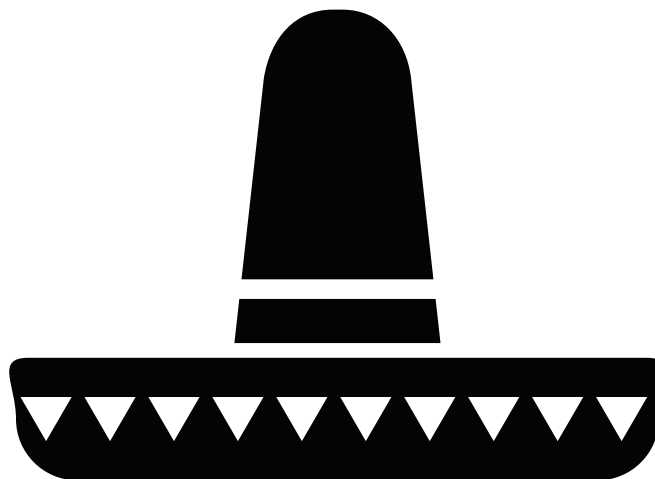
4:45–5:30

**Does microfinance improve households' welfare of ethnic
 minorities Evidence from Bac Kan Province, Vietnam**

Thu Ha VU and Daisaku GOTO, Hiroshima Univ., Japan

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

(Conference ends at 5:30 PM)





Program Participant Locator

Session assignments are listed following each participant's name:

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

2A, 2B, 2C, 2D, 2E, 2F on Friday Morning

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

4A, 4B, 4C, 4D, 4E, 4F, 4G on Saturday Morning

5A, 5B, 5C, 5D, 5E, 5F on Saturday Afternoon

OS = Opening Session on Wednesday Afternoon

WB = WRSA Board Meeting on Thursday Afternoon

GO = Getis-Ord Lecture in Spatial Analysis on Thursday Morning

AL = Annual Banquet Luncheon on Friday

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

~A~

ABREU, Maria (ma405@cam.ac.uk): **2F**, 3F
 AHN, YongJin (dadaist21@gmail.com): 2E, 3B
 ALBERT, Vicky (vicky.albert@unlv.edu): 4G
 ALWARD, Gregory S. (galward@uidaho.edu): 4F, 5F
 AN, Donghwan (dha@snu.ac.kr): 1B, 5A
 ANDERSSON, Martin Olof (martin.andersson@bth.se): WB, 2F, 4C, AL
 ARIK, Aida (aarik@hawaii.edu): 5B
 ASKARZADEH, Negin (negi@gwu.edu): 4C
 ASQUITH, Brian James (basquith@uci.edu): 2C, 3C
 AUDRETSCH, David B. (daudrets@indiana.edu): 2F

~B~

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8th	Newporter Inn, Newport Beach, CA
7th	Vacation Village Hotel, San Diego, CA
6th	(Meeting site unknown), Las Vegas, NV
5th	Santa Barbara Inn, Santa Barbara, CA
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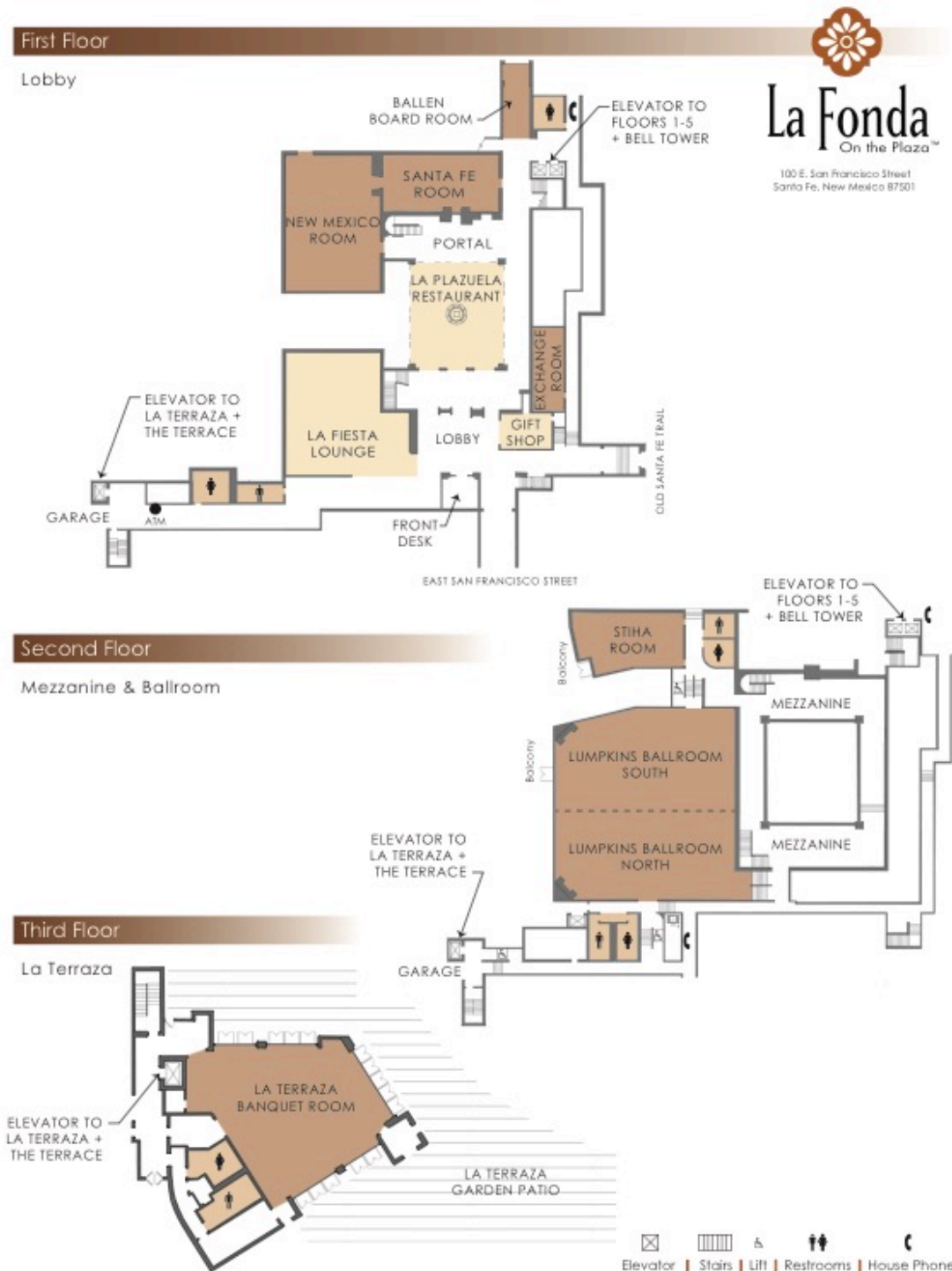
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