



# Western Regional Science Association 50th Anniversary Meeting Preliminary Program

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## The Monterey Plaza Hotel, Monterey, California February 27 – March 2, 2011

Version 7.0 (Last changes made: February 9, 2011)

**PROGRAM PARTICIPANTS** Please use the *Program Participant Locator* beginning on page 2 to find where you and others have been scheduled.

**CHECK YOUR DISCUSSANT AND CHAIR ASSIGNMENTS** Please note that longstanding WRSA tradition and policy is that all paper presenters may be assigned discussant and/or chair duties. The Program Co-chairs have attempted to select persons with appropriate skills and interests to discuss each paper, given the very limited number of "degrees of freedom" imposed by scheduling constraints. Even if you do not consider yourself to be the ideal discussant for the paper you have been assigned, rest assured that the most interesting suggestions and questions sometimes come from scholars with slightly different perspectives than those of the author!

**CORRECTIONS** If you spot any corrections, please e-mail them to Dave Plane (plane@email.arizona.edu). The Program Committee and Chair consider the Program posted here to be final with respect to the scheduling of papers. They've attempted to honor all scheduling requests received prior to December 20. Due to the fullness of the Program and our desire not to inconvenience others we ask that you do not request changes. Even a seemingly simple last-minute change often leads to a chain reaction of other changes. Please do, however, continue to check the updated versions posted on this website between now and the conference in February. Some alterations may still, alas, have to be made as we receive notification of, e.g., late cancellations.

Feel free to print out and/or download this Preliminary Program. You will not be receiving a hard-copy version in the regular mail. The Final Program, which will include session room locations, will be in the Registration Packet you pick up at the conference. **If you have not yet paid and registered – please do so immediately!**

**PAPERS TO DISCUSSANTS AND CHAIRS** The latest versions of all papers received at the WRSA office by the end of the first week of January will be e-mailed to discussants and session chairs before the end of January. If you make further revisions to your paper after the first week of January, it becomes *your* responsibility to get updated versions directly to your discussant and chair. E-mail addresses are listed in the Participant Locator. Please let us know of any additional e-mail addresses or corrections to those shown in the Locator. In general the addresses listed are those of the authors planning to participate and present papers. It is "hit or miss" whether we have been given (and thus have been able to list) the email addresses for non-attending coauthors.

**PREPARING YOUR PAPER AND AVAILABILITY OF A/V EQUIPMENT** Due to the high cost of renting A/V equipment from resort hotels and because of our "seminar-style" session format (with 45 full minutes per paper and thus, on average, only 8-10 presentations per room per day) we will be providing only Powerpoint (LCD or "beam") projectors. **At least one person in each session will need to bring a laptop computer.** If you don't have a laptop or don't wish to bring yours, be sure to check with other participants in your session to make sure there will be one available for your presentation. Session chairs are requested to email with participants to confirm these arrangements. Alternatively, you can bring photocopied handouts of your tables, figures, graphs, etc. to distribute to those attending your presentation.

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## Program Participant Locator

Session assignments are listed following each participant's name:

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

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

5A, 5B, 5C, 5D, 5E, 5F on Wednesday Morning  
6A, 6B, 6C, 6D, 6E on Wednesday Afternoon

OS = Opening Session on Sunday Afternoon

WB = WRSa Board Meeting on Monday Afternoon

AL = Annual Banquet Luncheon on Tuesday

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

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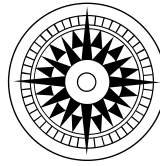
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**Sunday, February 27**

2:00 – 6:00 PM *Registration (Fairway Foyer)*

3:30 – 5:15 PM *Plenary Opening Session*

5:30 – 7:00 PM *Welcoming Reception*

**Sunday, 3:30 – 5:15 PM**

**The 1<sup>st</sup> Annual Lay James Gibson  
 Plenary Opening Session**

Chair: Robert STIMSON  
 Univ. Queensland, Australia and  
 WRSA 51<sup>st</sup> President (2010–2011)

*The First Fifty Years of the  
 Western Regional Science Association:  
 The Making of a Brand*

Panelists:

Lay James GIBSON  
 Univ. Arizona, Tucson, USA

Robert L. MONAHAN  
 Western Washington Univ., Bellingham, USA

David A. PLANE  
 Univ. Arizona, Tucson, USA

*The WRSA–Remote Regions/Northern Development  
 Connection: Co-celebrating the 50<sup>th</sup> Anniversaries of  
 the WRSA and the Institute of Social & Economic  
 Research, University of Alaska, Anchorage,  
 Heather E. HUDSON, Director, ISER*

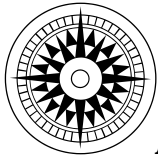


**Sunday, 5:30 – 7:00 PM**

**Welcoming Reception**

(Cospponsored by the Institute of Social and Economic  
 Research, Univ. Alaska, Anchorage, USA)

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



## Monday, February 28

7:15 AM – 12:15 PM (and 1:15 – 5:45 PM)

**Registration (Fairway Foyer)**

8:00 AM – 12:15 PM

### Seven Concurrent Paper Sessions:

- 1A Regional Development Strategies
- 1B Rural Land Use and Management
- 1C Urban Issues I
- 1D Public Finance
- 1E Regional Modeling
- 1F Demographic Change and Neighborhoods
- 1G Western States Economic Outlook

9:30 – 10:00 AM **Coffee Break**

12:15 – 1:15 PM **Lunch Break** (On your own this day)

1:15 – 5:45 PM **Registration Continues**

1:30 – 5:45 PM

### Seven Concurrent Paper Sessions:

- 2A The Regional Science of Education
- 2B Urban Issues II
- 2C Regional Modeling II
- 2D Innovation
- 2E Green Energy and Environmental Management
- 2F Impact Analysis
- 2G Panel: Urban Policy

3:00 – 3:30 PM **Coffee Break**

3:30 – 5:00 PM **WRSA Board Meeting** (By Invitation Only)



Monday, 8:00 AM – 12:15 PM

### Paper Session IA ~

#### Issues in Regional Development

Chair: Bernard WEINSTEIN, Southern Methodist Univ.,  
Dallas, TX, USA

8:00–8:45

#### Examination of communities at risk using time series and panel regression modeling: Case study of Ohio

Michael C. CARROLL and Xinyue YE, Bowling Green State Univ., OH, USA

Discussant: Maria Gabriela LADU, Univ. di Sassari, Italy

8:45–9:30

#### Limitations of the learning region: Conceptual arguments and empirical arguments from the Western Java automotive cluster in pursuit of a better explanation of knowledge based regional development

Dessy IRAWATI, Newcastle Univ., England, UK, Roel RUTTEN, Tilburg Univ., and Frans BOEKEMA, Radboud Univ. Nijmegen, The Netherlands

Discussant: Juan Julio GUTIÉRREZ, George Mason Univ., Fairfax, VA, USA

9:30–10:00, *Coffee Break*

10:00–10:45

#### Local banks and economic growth

Svante MANDELL, VTI, Swedish National Road and Transport Research Institute, Linköping, and Mats WILHELMSSON, Royal Institute of Technology, Stockholm, Sweden

Discussant: Sierdjan KOSTER, Univ. Groningen, The Netherlands

10:45–11:30

#### The economic development incentives game: An imperfect information, heterogeneous communities approach

Carlianne PATRICK, The Ohio State Univ., Columbus, USA

Discussant: Tony SORENSON, Univ. New England, Armidale, NSW, Australia

11:30–12:15

#### Measuring the impact of US regional development policies: A spatial econometric approach

Sandy DALL'ERBA, Univ. Arizona, Tucson, USA

Discussant: Kenneth E. COREY, Michigan State Univ., East Lansing, USA



Monday, 8:00 AM – 12:15 PM

### Paper Session IB ~

#### Rural Land Use and Management

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

8:00–8:45

#### Mexican maize production: Evolving organizational and spatial structures since 1980

Douglas STEIGERWALD, Stuart SWEENEY, and Frank DAVENPORT, Univ. California, Santa Barbara, and Hallie EAKIN, Arizona State Univ., Tempe, USA

Discussant: David T. TAYLOR, Univ. Wyoming, Laramie, USA

8:45–9:30

#### Preserving agricultural land: A TDR approach

Theodore LANE, Thomas Lane & Associates, and Bill MUNDY, Bill Mundy & Associates, Seattle, WA, USA

Discussant: In Kwon PARK, Rutgers Univ., Camden, NJ, USA

9:30–10:00, *Coffee Break*

10:00–10:45

#### Determinants of agricultural land prices: Expected returns and location

Sara JOHANSSON and Pia NILSSON, Jönköping International Business School, Sweden

Discussant: Liz Ileana RODRÍGUEZ-GÁMEZ, Univ. Arizona, Tucson, USA

10:45–11:30

#### Building farmland reverse mortgage system for the rural elderly and issues on restructuring of rural area

DeokHo CHO and Byungkyu KIM, Daegu Univ., Gyeongsan, Korea

Discussant: Pia NILSSON, Jönköping International Business School, Sweden

11:30–12:15

#### AutoFarm: How farmers pre-wired the future exurban landscape

Ron McCHESNEY, Three Scale Research LLC, Jill CLARK, Elena IRWIN, and Doug WRENN, The Ohio State Univ., Columbus, USA

Discussant: Junghoon KI, Myongji Univ., Seoul, Korea



Monday, 8:00 AM – 12:15 PM

**Paper Session 1C ~ Urban Issues I**

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

8:00–8:45

**Tradeoffs of greenbelt preservation and low-income housing:  
Conflicts of sustainability in Korea**

Jun-Hyung KIM, Brian H.S. KIM, Mark SIM, and Donghwan AN,  
Seoul National Univ., Seoul, Korea

Discussant: Y.H. FAN, National Taiwan Univ., Taipei

8:45–9:30

**Impacts of rural-urban cleavages on political behavior in Asian  
nations**

Robert B. ALBRITTON, Univ. Mississippi, Oxford, USA

Discussant: Elisabeth TOVAR, Univ. Paris, France

9:30–10:00, *Coffee Break*

10:00–10:45

**Scale economies in public service**

Michael OLSSON and Marie LUNDGREN, Univ. Skövde,  
Sweden

Discussant: Stein ØSTBYE, Univ. Tromsø, Norway

10:45–11:30

**Modeling the effects of the regional development plans on  
mobility**

Qisheng PAN, Texas Southern Univ., Houston, James E. MOORE  
II, and Harry W. RICHARDSON, Univ. Southern California, Los  
Angeles, USA

Discussant: T.R. LAKSHMANAN, Boston Univ., MA, USA

11:30–12:15

**Urban Spatial Structure and Commuting Efficiency in the South  
Korea Cities**

Jong Gook SEO, Univ. of Incheon, Korea

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



Monday, 8:00 AM – 12:15 PM

**Paper Session 1D ~ Public Finance**

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

8:00–8:45

**The regional distribution of public goods in urban areas  
subsidiary in snow removal: The town of Mont Royal, Québec**

L. Michael FARRELL, Univ. du Québec, Trois-Rivières, Canada

Discussant: Andrew ECKERT, Univ. Alberta, Edmonton,  
Canada

8:45–9:30

**The citizen return as a welfare indicator of municipal public  
utilities**

Peter FRIEDRICH, Univ. Tartu, Estonia

Discussant: Douglas WOODWARD, Univ. South Carolina,  
Columbia, USA

9:30–10:00, *Coffee Break*

10:00–10:45

**Public finance crisis conflicts and issues: Cost of conflicts and  
increasing state by state use of rural mediation centers**

Eric THOR and Janet WERTSCH, Arizona State Univ., Phoenix,  
USA

Discussant: Irene BERNHARD, Univ. West, Trollhättan, and  
Royal Institute of Technology, Stockholm, Sweden

10:45–11:30

**Who benefits from increased government spending? A state-level  
analysis**

Michael T. OWYANG, Federal Reserve Bank of St. Louis, MO,  
and Sarah ZUBAIRY, Duke Univ., Durham, NC, USA

Discussant: Tamara DE LA MATA, Univ. Autónoma de  
Madrid, Spain

11:30–12:15

**Understanding willingness to support higher taxes for  
transportation investment**

Jean-Claude THILL and Chunhua WANG, Univ. North Carolina,  
Charlotte, USA

Discussant: Hong-Bae KIM, Hanyang Univ., Seoul, Korea



Monday, 8:00 AM – 12:15 PM

**Paper Session 1E ~ Regional Modeling**

Chair: Henk FOLMER, Univ. Groningen, The Netherlands

8:00–8:45

**The interregional and interindustry impacts of the Gulf oil spill:  
Applying the national interstate economic model (NIEMO)**

JiYoung PARK, Univ. at Buffalo, NY, Peter GORDON, James E.  
MOORE II, and Harry W. RICHARDSON, Univ. Southern  
California, Los Angeles, USA

Discussant: Euijune KIM, Seoul National Univ.

8:45–9:30

**Impacts of population aging on regional economies using an  
interregional CGE model of Korea**

Euijune KIM, Seoul National Univ., Heedeok CHO, Univ. Florida,  
Gainesville, Geoffrey J.D. HEWINGS, Univ. Illinois, Urbana-  
Champaign, USA, Hyeseung LEE, Joohyung PARK, and Da-  
Woon JEONG, Seoul National Univ., Korea

Discussant: Bo MENG, Institute of Developing Economies,  
Chiba, Japan

9:30–10:00, *Coffee Break*

10:00–10:45

**On input-output linkage measures**

Umed TEMURSHOEV and Jan OOSTERHAVEN, Univ.  
Groningen, The Netherlands

Discussant: Randall W. JACKSON, West Virginia Univ.,  
Morgantown, USA

10:45–11:30

**Evaluating the economic impacts of a disaster: A CGE  
application to the Tokai Region of Japan**

Hiroyuki SHIBUSAWA and Yuzuru MIYATA, Toyohashi Univ.  
of Technology, Japan

Discussant: Joongkoo CHO, Univ. Southern California, Los  
Angeles, USA

11:30–12:15

**Economic welfare analysis of the legalization of drugs: A CGE  
microsimulation model for Columbia**

Laura ATUESTA, Univ. Illinois, Urbana-Champaign, USA

Discussant: William B. BEYERS, Univ. Washington, Seattle,  
USA



Monday, 8:00 AM – 12:15 PM

**Paper Session 1F ~**

**Demographic Change and Neighborhoods**

Chair: Simon CHOI, Southern California Association of Governments, Los Angeles, USA

8:00–8:45

**The impact of African American migration on housing in New York City neighborhoods during the Great Depression**

Trevor KOLLMANN, Univ. Arizona, Tucson, USA

Discussant: Rachel S. FRANKLIN, Brown Univ., Providence, RI, USA

8:45–9:30

**Education and household location in the Chicago Metropolitan Area: Estimates by race and ethnicity**

William TESTA, Federal Reserve Bank of Chicago, and William SANDER, DePaul Univ., Chicago, IL, USA

Discussant: David BRASINGTON, Univ. Cincinnati, OH, USA

9:30–10:00, Coffee Break

10:00–10:45

**Mobility, migration and neighborhoods: Outcomes for people and outcomes for places**

William A.V. CLARK, Univ. California, Los Angeles, USA, and Philip MORRISON, Victoria Univ. Wellington, New Zealand

Discussant: Mikaela BACKMAN, Jönköping International Business School, Sweden

10:45–11:30

**Using high-resolution population data to identify neighborhoods and establish their boundaries**

Seth E. SPIELMAN, Univ. Colorado, Boulder, and John LOGAN, Brown Univ., Providence, USA

Discussant: Lee MOBLEY, RTI International, Research Triangle Park, NC, USA

11:30–12:15

**Using the population-employment ratio to assess the county level population projections in the SCAG region**

Simon CHOI, Southern California Association of Governments, Los Angeles, JiYoung PARK, Univ. at Buffalo, and ChangKeun PARK, Univ. Georgia, Athens, USA

Discussant: Tony GRUBESIC, Drexel Univ., Philadelphia, PA, USA



Monday, 8:00 AM – 12:15 PM

**Paper Session 1G ~**

**Western States Economic Outlook**

(Cosponsored by AUBER)

Chair: Timothy D. HOGAN, Arizona State Univ., Tempe, USA

**Western States Overview**

Lee McPHETERS, Arizona State Univ., Tempe, USA

**Arizona**

Tim HOGAN, Arizona State Univ., Tempe, USA

**California**

Jeff MICHAEL, Univ. of the Pacific, Stockton, CA, USA

**Colorado**

Richard WOBBEKIND, Univ. Colorado, Boulder, USA

9:30–10:00, Coffee Break

**Montana**

Paul POLZIN, Univ. Montana, Missoula, USA

**Nebraska**

Eric THOMPSON, Univ. Nebraska, Lincoln, USA

**Nevada**

Steve BROWN, Univ. Nevada, Las Vegas, USA

**Washington**

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



Monday, 12:15 PM – 1:30 PM

**Lunch Break (On your own this day)**



Monday, 1:30 – 5:45 PM

**Paper Session 2A ~**

**The Regional Science of Education**

Chair: ChangKeun PARK, Univ. Georgia, Athens, USA

1:30–2:15

**Migration and labor market outcomes among recent college graduates: Swedish evidence**

Kent ELIASSON, Umeå Univ. and Swedish Institute for Growth Policy Studies, Sweden

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

2:15–3:00

**Sustainable diversity: Population change and diversity in American higher education**

Rachel S. FRANKLIN, Brown Univ., Providence, RI, USA

Discussant: W. Mark BROWN, Statistics Canada, Ottawa, ON, Canada

3:00–3:30, Coffee Break

3:30–4:15

**Behind the opinions: Why people support school choice**

David M. BRASINGTON, Univ. Cincinnati, OH, and Diane HITE, Auburn Univ., GA, USA

Discussant: William A.V. CLARK, Univ. California, Los Angeles, USA

4:15–5:00

**An analysis of trends in spatial mobility of Dutch higher educated graduates**

Viktor VENHORST, Jouke VAN DIJK, and Leo VAN WISSEN, Univ. Groningen, The Netherlands

Discussant: Sofia TANO, Umeå Univ., Sweden

5:00–5:45

**Returns to higher education: A regional perspective**

Mikaela BACKMAN and Lina BJERKE, Jönköping International Business School, Sweden

Discussant: William SANDER, DePaul Univ., Chicago, IL, USA





Monday, 1:30 – 5:45 PM

**Paper Session 2B ~ Urban Issues II**

Chair: Michael OLSSON, Univ. Skövde, Sweden

1:30–2:15

**Connection between built environment and health: The role of 4D (density, diversity, design, and destination) in individuals' BMI**

Yong-Jin AHN, Univ. Southern California, Los Angeles, JiYoung PARK, Univ. at Buffalo, NY, and Simon CHOI, Southern California Association of Governments, Los Angeles, USA

Discussant: Jong Gook SEO, Univ. Incheon, Korea

2:15–3:00

**A planning support system for integrated metropolitan land use–transportation forecasting**

Ardeshir ANJOMANI, Univ. Texas, Arlington, USA

Discussant: Jae-Ik KIM, Keimyung Univ., Daegu, Korea

3:00–3:30, *Coffee Break*

3:30–4:15

**Riots and urban social fragmentation: A case study on Paris with a capability well-being definition**

Lise BOURDEAU-LEPAGE and Elisabeth TOVAR, Univ. Paris, France

Discussant: L. Michael FARRELL, Univ. du Québec à Trois-Rivières, Canada

4:15–5:00

**Web-based green landscape and urban planning system development**

Junghoon KI, Myongji Univ., Seoul, and Kunesook HUR, Jinju National Univ., Korea

Discussant: Kh. Md. NAHIDUZZAMAN, King Fahd Univ. of Petroleum and Minerals, Dhahran, Saudi Arabia

5:00–5:45

**Alternative transportation demand management approaches in rapidly growing urban areas: A case of Northern Virginia**

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

Discussant: Myung-Jin JUN, Chung-Ang Univ., Seoul



Monday, 1:30 – 5:00 PM

**Paper Session 2C ~ Regional Modeling II**

Chair: Qisheng PAN, Texas Southern Univ., Houston, USA

1:30–2:15

**Spatial price equilibrium with imperfect substitutes: Towards a trade-consistent SCGE model**

Asao ANDO, Tohoku Univ., Sendai, and Bo MENG, Institute of Developing Economies, Chiba, Japan

Discussant: Laura ATUESTA, Univ. Illinois, Urbana-Champaign, USA

2:15–3:00

**Preliminary investigation of economic linkages for the NorCal Megapolitan Region**

Elizabeth FADALI and Thomas R. HARRIS, Univ. Nevada, Reno, USA

Discussant: Ron McCHESNEY, Three Scale Research LLC, Columbus, OH, USA

3:00–3:30, *Coffee Break*

3:30–4:15

**Applying shift-share analysis to structural change in input-output models: Evidence from seven Washington State I/O models**

William B. BEYERS, Univ. Washington, Seattle, and Ta-Win LIN, Office of Financial Management, State of Washington, Olympia, USA

Discussant: Jan OOSTERHAVEN, Univ. Groningen, The Netherlands

4:15–5:00

**Modeling a major source of economic resilience to disasters: Recapturing lost production**

JiYoung PARK, Univ. at Buffalo, NY, Joongkoo CHO, and Adam ROSE, Univ. Southern California, Los Angeles, USA

Discussant: Hiroyuki SHIBUSAWA, Toyohashi Univ. of Technology, Japan



Monday, 1:30 – 5:00 PM

**Paper Session 2D ~ Innovation**

Chair: Antoine S. BAILLY, Univ. Genève, Switzerland

1:30–2:15

**Planning for municipal e-governance: A tentative model for a framework towards citizen centric public e-service**

Irene BERNHARD, Univ. West, Trollhättan, and Royal Institute of Technology, Stockholm, Sweden

Discussant: Peter FRIEDRICH, Univ. Tartu, Estonia

2:15–3:00

**Knowledge intensive business services and market potential**

Börje JOHANSSON, Jönköping International Business School, CESIS, and KTH, Stockholm, and Johan KLAESSON, Jönköping International Business School, Sweden

Discussant: Roel RUTTEN, Tilburg Univ., The Netherlands

3:00–3:30, *Coffee Break*

3:30–4:15

**The relationship between start-ups, market mobility and employment growth: An empirical analysis for Dutch regions**

Sierdjan KOSTER, Univ. Groningen, and Andre VAN STEL, EIM Business and Policy Research, Zoetermeer, and Univ. Amsterdam, The Netherlands

Discussant: Lee McPHETERS, Arizona State Univ., Tempe, USA

4:15–5:00

**The pursuit of knowledge: Planning for knowledge hubs in Asia**

Kenneth E. COREY and Mark I. WILSON, Michigan State Univ., East Lansing, USA

Discussant: Frans BOEKEMA, Radboud Univ., The Netherlands



Monday, 1:30 – 5:00 PM

**Paper Session 2E ~**

**Green Energy and Environmental Management**

Chair: Eric THOR, Arizona State Univ., Phoenix, USA

1:30–2:15

**The feasibility of combining the algae-to-oil system with advanced sewage treatment**

Dun-Yen WANG and Yoshiro HIGANO, Univ. Tsukuba, Tsukuba, Japan

Discussant: John KEITH, Utah State Univ., Logan, USA

2:15–3:00

**Maryland offshore wind development: Regulatory context, grid interconnection, conflict areas, economic viability and emissions displacement**

Matthias RUTH, Andy BLOHM, Sean WILLIAMSON, Yohan SHIM, Paul FAGIOLO, David B. LANG, Junming YANG, and Vorapat POLCHAROENSOOK, Univ. Maryland, College Park, USA

Discussant: Christa D. JENSEN, West Virginia Univ., Morgantown, USA

3:00–3:30, *Coffee Break*

3:30–4:15

**Assessing Hawaii's clean energy options: An application of renewable portfolio standards**

Makena COFFMAN, Univ. Hawaii, Manoa, USA

Discussant: Douglas JONES, The Ohio State Univ., Columbus, USA

4:15–5:00

**Potential impacts of federal regulation of greenhouse gas emissions on Wyoming's energy derived tax revenue**

Milton GEIGER, Don McLEOD, and Roger COUPAL, Univ. Wyoming, Laramie, USA

Discussant: Terry CLOWER, Univ. North Texas, Denton, USA



Monday, 1:30 – 5:45 PM

**Paper Session 2F ~ Impact Analysis**

Chair: Theodore LANE, Thomas Lane & Associates, Seattle, WA, USA

1:30–2:15

**Wyoming's uranium industry: Economic impact and production potential in a changing world**

Thomas FOULKE, David T. TAYLOR, and Roger H. COUPAL, Univ. Wyoming, Laramie, USA

Discussant: Paul POLZIN, Univ. Montana, Missoula, USA

2:15–3:00

**Modeling the impact of away-from-port empty container storage yards**

Ting LEI and Richard CHURCH, Univ. California, Santa Barbara, USA

Discussant: Jean-Claude THILL, Univ. North Carolina, Charlotte, USA

3:00–3:30, *Coffee Break*

3:30–4:15

**Impact analysis of construction of an international airport on a regional economy**

Hong Bae KIM, Junseok CHOI, and Ilnam JEONG, Hanyang Univ., Seoul, Korea

Discussant: Yu XIAO, Texas A&M Univ., College Station, USA

4:15–5:00

**What works for regional economic development strategy: Industry targeting or cluster approaches**

Mukesh KUMAR, Jackson State Univ., MS, USA

Discussant: Michael WENZ, Northeastern Illinois Univ., Chicago, USA

5:00–5:45

**Spatial pattern and domestic tourism: An econometric analysis using inter-regional monetary flows by type of journey**

Tamara DE LA MATA and Carlos LLANO VERDURAS, Univ. Autónoma de Madrid, Spain

Discussant: Michael C. CARROLL, Bowling Green State Univ., OH, USA



Monday, 1:30 – 3:00 PM

**Panel Session 2G ~ New Urban Development:**

**Looking Back to See Forward**

Chair: Lay James GIBSON, Univ. Arizona, Tucson

Presentation:

**Perestroika for U.S. Land Use Policies**

Claude GRUEN, Gruen Gruen + Associates, San Francisco, CA, USA

Panelists

John QUIGLEY, Univ. California, Berkeley, USA

Michael TEITZ, Public Policy Institute of California, San Francisco, USA

Bernard WEINSTEIN, Southern Methodist University, Dallas, TX, USA

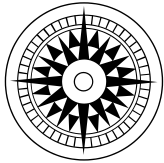
In his recently published book, *New Urban Development: Looking Back to See Forward*, Claude Gruen discusses the unintended consequences of contemporary land use regulations and priorities. Claude's book reviews the history of planning regulations since Colonial times and draws upon that background to suggest thirteen land use policies to improve the quality of urban life and play a critically needed role in enabling the U.S. economy to meet the challenges of the 21<sup>st</sup> century. After an overview presentation of the book's themes, the panelists will respond, sharing their reactions and diverse perspectives.

Monday, 3:30 – 5:00 PM  
**WRSA Board Meeting**



(By Invitation Only)

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



**Tuesday, March 1**

7:45 AM – 12:15 PM (and 2:15 – 5:45 PM)

**Registration (Fairway Foyer)**

8:00 AM – 12:15 PM

**Six Concurrent Paper Sessions:**

- 3A** Advances in Spatial Modeling: Approaches and Applications I
- 3B** Regional Structure and Theory
- 3C** Jobs and Wages
- 3D** Urban Issues III
- 3E** Innovation and Competition
- 3F** Environmental Management I

9:30 – 10:00 AM **Coffee Break**

12:30 – 2:15 PM **Annual Banquet Luncheon**

2:15 – 5:45 PM **Registration Continues**

1:30 – 5:45 PM

**Six Concurrent Paper Sessions:**

- 4A** Remote Regions I: Institutions and Development in the North
- 4B** Migration I
- 4C** High Tech and Regional Development
- 4D** Environmental Management II
- 4E** Advances in Spatial Modeling: Approaches and Applications II
- 4F** Social Economic Issues and Regional Analysis

4:00 – 4:15 PM **Coffee Break**

6:00 – 7:30 PM **Golden Anniversary Reception**



Tuesday, 8:00 AM – 12:15 PM

**Paper Session 3A ~ Advances in Spatial Modeling:  
 Approaches and Applications I**

Chair: Alan T. MURRAY, Arizona State Univ., Tempe, USA

8:00–8:45

**Employment density in Hermosillo, 1999-2004: A spatial  
 econometric approach of local parameters**

Liz Ileana RODRÍGUEZ-GÁMEZ, Univ. Arizona, Tucson, USA

Discussant: Peter A. ROGERSON, Univ. at Buffalo, NY,  
 USA

8:45–9:30

**Spatial heterogeneity in cancer control planning and cancer  
 screening behavior**

Lee MOBLEY, Tzy-Mey KUO, Matthew URATO, Sujha  
 SUBRAMANIAN, RTI International, Research Triangle Park,  
 NC, Lisa WATSON and Luc ANSELIN, Arizona State Univ.,  
 Tempe, USA

Discussant: H.A. EISELT, Univ. New Brunswick,  
 Fredericton, Canada

9:30–10:00, **Coffee Break**

10:00–10:45

**W-based vs. latent variables spatial autoregressive models in the  
 presence of two types of spatial dependence: Evidence from  
 Monte Carlo simulations**

An LIU, Henk FOLMER, Univ. Groningen, and Johan H.L. OUD,  
 Radboud Univ. Nijmegen, The Netherlands

Discussant: Sergio J. REY, Arizona State Univ., Tempe,  
 USA

10:45–11:30

**On two-step estimation of a spatial autoregressive model with  
 autoregressive disturbances and endogenous regressors**

David DRUKKER, StataCorp, College Station, TX, Peter  
 EGGER, ETH Zurich, Switzerland, and Ingmar PRUCHA, Univ.  
 Maryland, College Park, USA

Discussant: Nuria GALLEGO LÓPEZ, Univ. Autónoma de  
 Madrid, Spain

11:30–12:15

**Total factor productivity estimates: Some evidence from  
 European regions**

Maria Gabriela LADU, Univ. di Sassari, Italy

Discussant: Mukesh KUMAR, Jackson State Univ., MS, USA



Tuesday, 8:00 AM – 12:15 PM

**Paper Session 3B ~ Regional Structure and Theory**

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

8:00–8:45

**An information perspective on path dependence**

Eric J. HEIKKILA, Univ. Southern California, USA

Discussant: Akio MATSUMOTO, Chuo Univ., Tokyo, Japan

8:45–9:30

**Quantum dreaming: The relevance of quantum mechanics to  
 regional science**

Tony SORENSEN, Univ. New England, Armidale, Australia

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

9:30–10:00, **Coffee Break**

10:00–10:45

**Empirical testing of new economic geography models using  
 economic experiments**

Stein ØSTBYE and Eirik HEEN, Univ. Tromsø, Norway

Discussant: Maureen KILKENNY, Univ. Nevada, Reno, USA

10:45–11:30

**Delay differential neoclassical growth model**

Akio MATSUMOTO, Chuo Univ., Tokyo, Japan, and Ferenc

SZIDAROVSKY, Univ. Arizona, Tucson, USA

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

11:30–12:15

**Emission credit trading and regional inequalities**

Hajime TAKATSUKA, Kagawa Univ., Takamatsu, and Ryohei  
 NAKAMURA, Okayama Univ., Japan

Discussant: Asao ANDO, Tohoku Univ., Sendai, Japan



Tuesday, 8:00 AM – 12:15 PM

**Paper Session 3C ~ Jobs, Wages and Migration**

Chair: Michel DIMOU, Univ. de la Réunion, France

8:00–8:45

**A history of return migration research: Part IV: The development of the theory**

Jeremiah ALLEN, Univ. Lethbridge, AB, Canada

Discussant: Kent ELIASSON, Umeå Univ., Sweden

8:45–9:30

**Urban labour markets and wages: The role of migration**

K. Bruce NEWBOLD, McMaster Univ., Hamilton, and W. Mark BROWN, Statistics Canada, Ottawa, ON, Canada

Discussant: Alessandra FAGGIAN, Univ. Southampton, England, UK

9:30–10:00, Coffee Break

10:00–10:45

**Migration and increasing wage inequality: Can imperfect competition explain the link? Demand-side effects of domestic and international migration, Sweden, 1993–2003**

Martin KORPI, Stockholm School of Economics, Sweden

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

10:45–11:30

**Urban wage premium and local amenities: Evidence from the Greek case**

Michel DIMOU and Alexandra SCHAFFAR, Université de la Réunion, France

Discussant: Richard WOBBEKIND, Univ. Colorado, Boulder, USA

11:30–12:15

**The real urban wage premium**

Andrew PERUMAL, Univ. Nebraska, Lincoln, USA

Discussant: Chungkee LEE, Seoul National Univ., Korea



Tuesday, 8:00 AM – 12:15 PM

**Paper Session 3D ~ Urban Issues III**

Chair: Harry W. RICHARDSON, Univ. Southern California, Los Angeles, USA

8:00–8:45

**Measuring political entrepreneurship: An empirical study of Swedish municipalities**

Amy Rader OLSSON, Royal Institute of Technology, Stockholm, and Hans WESTLUND, Royal Institute of Technology and Jönköping International Business School, Sweden

Discussant: Robert B. ALBRITTON, Univ. Mississippi, Oxford, USA

8:45–9:30

**Strategic Interaction in Setting Commercial Office Rents: Evidence from Lease Voucher Data in Houston**

Serguei CHERVACHIDZE, CBRE, and Janet KOHLHASE, Univ. Houston, TX, USA

Discussant: Fernando DePAOLIS, Monterey Institute, CA, USA

9:30–10:00, Coffee Break

10:00–10:45

**Urban Expansion, Development Feature and Spatial Separation: The Case of Seoul Metropolitan Region, Korea**

Jae Ik KIM and Jin-Hwi KWON, Keimyung Univ., Daegu, Korea  
Discussant: Peter GORDON, Univ. Southern California, Los Angeles, USA

10:45–11:30

**Future of Inland Empire region of Southern California: Applying a vector autoregression model for logistics job growth pattern analysis**

ChangKeun PARK, Univ. Georgia, Athens, KiHong KIM, Portland State Univ., OR, Simon CHOI, Southern California Association of Governments, Los Angeles, and JiYoung PARK, Univ. at Buffalo, NY, USA

Discussant: Jin-Hwi KWON, Keimyung Univ., Daegu, Korea

11:30–12:15

**Why does a city's reinvention occur slowly? Modeling the redevelopment of a run-down area**

In Kwon PARK, Rutgers Univ., Camden, NJ, USA

Discussant: Koichi MERA, Univ. Southern California, Los Angeles, USA



Tuesday, 8:00 AM – 12:15 PM

**Paper Session 3E ~ Innovation and Competition**

Chair: Mario POLÈSE, INRS Urbanisation, Culture et Société, Montréal, QC, Canada

8:00–8:45

**An analysis of the competitiveness of South Asian cities**

Brian ROBERTS, Univ. Canberra, ACT, Australia, and Kay CHOE, Asian Development Bank, Manila, The Philippines

Discussant: Svante MANDELL, VTI, Swedish National Road and Transport Research Institute, Linköping

8:45–9:30

**The performance of self-declared innovative manufacturing establishments**

Juan Julio GUTIÉRREZ, George Mason Univ., Fairfax, VA, USA

Discussant: Börje JOHANSSON, Jönköping International Business School, Sweden

9:30–10:00, Coffee Break

10:00–10:45

**New business survival: An integrated analysis of individual, firm, industrial and regional factors**

Shaoming CHENG, Florida International Univ., Miami, USA

Discussant: Richard SHEARMUR, INRS Urbanisation, Culture et Société, Montréal, QC, Canada

10:45–11:30

**Location choices of independent inventors**

Jonathan MUNN, Francis Marion Univ., Florence, SC, Paulo GUIMARAES and Douglas WOODWARD, Univ. South Carolina, Columbia, USA

Discussant: Daisuke NAKAMURA, The International Centre for the Study of East Asian Development, Kitakyushu, Japan

11:30–12:15

**Sustainable issues of economic growth in developed countries: Regional infrastructure and social welfare**

Daisuke NAKAMURA, The International Centre for the Study of East Asian Development, Kitakyushu, Japan

Discussant: Ernest MIGUÉLEZ, Univ. Barcelona, Spain



Tuesday, 8:00 AM – 12:15 PM

**Paper Session 3F ~ Environmental Management I**

Chair: Y.H. FAN, National Taiwan Univ., Taipei

8:00–8:45

**Including risk in the economic analysis of waste recycling options for a community**

Thomas R. HARRIS, Robert M. DICK, Man-Keun KIM, and Anthony OLIVER, Univ. Nevada, Reno, USA

Discussant: Katsuhiko SAKURAI, Risho Univ., Tokyo, Japan

8:45–9:30

**The benefits of environmental improvement: Estimates from space-time analysis**

John I. CARRUTHERS, George Washington Univ., Washington, DC, and Univ. Maryland, College Park, David E. CLARK, Marquette Univ., Milwaukee, WI, and Robert N. RENNER, U.S. Department of Housing and Urban Development, Washington, DC, USA

Discussant: Sara JOHANSSON, Jönköping International Business School, Sweden

9:30–10:00, Coffee Break

10:00–10:45

**The socio-economic impacts of propane cannons on residents in the Fraser Valley**

Tracy STOBBE, Trinity Western Univ., Langley, Canada

Discussant: Aldene MEIS MASON, Univ. Regina, SK, Canada

10:45–11:30

**Attribution of responsibility for U.S. hazardous waste generation**

Christa D. JENSEN and Randall W. JACKSON, West Virginia Univ., Morgantown, USA

Discussant: Thomas FOULKE, Univ. Wyoming, Laramie, USA

11:30–12:15

**Agricultural waste management and economic development in Taihu Basin, China**

Yoshiro HIGANO and Zhihong SHEN, Univ. Tsukuba, Japan

Discussant: Thomas R. HARRIS, Univ. Nevada, Reno, USA



Tuesday, 12:30 – 2:15 PM

**50<sup>th</sup> Anniversary Luncheon**

(For all registered and paid participants; tickets required)

Chair: Robert J. STIMSON, WRSA 51<sup>st</sup> President (2010-2011)

**Announcements:**

David A. PLANE, WRSA Executive Secretary

**Musical Presentation:**

A Performance by the WRSA 'Bandidos'

**The 15<sup>th</sup> Annual Springer-Verlag Prize**

Presented by: Börje JOHANSSON, Euijune KIM, Janet KOHLHASE, Editors, *The Annals of Regional Science*

**A Short History of WRSA's Tiebout Prize**

Theodore LANE and Geoffrey J.D. HEWINGS

**The 25<sup>th</sup> Charles M. Tiebout Prize**

Presented by: T. John KIM, 49<sup>th</sup> WRSA President (2008–2009) and Chair, 2010-2011 Reading Committee

**A Report on the Golden Anniversary Project:**

"What's Special about WRSA?"

Rachel S. FRANKLIN and David A. PLANE



Tuesday, 2:30 – 5:45 PM

**Paper Session 4A ~ Remote Regions I: Institutions and Development in the North**

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

2:30–3:15

**Broadband policies for the Arctic: A comparative analysis**

Heather E. HUDSON, Institute of Social and Economic Research, Univ. Alaska, Anchorage, USA

Discussant: Lassi HEININEN, Univ. Lapland, Finland

3:15–4:00

**After 25 years what's next? The growth of Alaska Native Regional Corporations under the special provisions of the SBA's 8(a) program**

Greg PROTASEL, Univ. Alaska, Anchorage, USA

Discussant: Stephanie MARTIN, Univ. Alaska, Anchorage, USA

4:00–4:15, Coffee Break

4:15–5:00

**A comparison of Canadian Inuit use of caribou and Swedish Sami use of reindeer for entrepreneurship**

Aldene MEIS MASON, Univ. Regina, Leo Paul DANA, Univ. Canterbury, New Zealand, and Robert ANDERSON, Univ. Regina, SK, Canada

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

5:00–5:45

**Formal schooling of indigenous peoples in rural and remote regions: Past and present models**

Diane HIRSHBERG and Alexandra HILL, Institute of Social and Economic Research, Univ. Alaska, Anchorage, USA

Discussant: Terrence COLE, Univ. Alaska, Fairbanks, USA



Tuesday, 2:30 – 5:45 PM

**Paper Session 4B ~ Migration I**

Chair: Olle WESTERLUND, Umeå Univ., Sweden

2:30–3:15

**Immigrants and the spread of tuberculosis in the United States: A hidden cost of immigration**

Michael J. GREENWOOD and Watson R. WARRINER, Univ. Colorado, Boulder, USA

Discussant: Trevor KOLLMANN, Univ. Arizona, Tucson, USA

3:15–4:00

**Dwindling U.S. internal migration: Evidence of a spatial equilibrium?**

Mark D. PARTRIDGE, The Ohio State Univ., Columbus, Dan S. RICKMAN, Oklahoma State Univ., Stillwater, USA, M. Rose OLFERT, Univ. Saskatchewan, Saskatoon, and Kamar ALI, Univ. Lethbridge, AB, Canada

Discussant: Martin KORPI, Stockholm School of Economics, Sweden

4:00–4:15, Coffee Break

4:15–5:00

**Endogenous growth of the ageing economy with intra-generational heterogeneity over race and migration**

Tae-Jeong KIM and Geoffrey J.D. HEWINGS, Univ. Illinois, Urbana-Champaign, USA

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

5:00–5:45

**The determinants of the choice of location among young adults: Evidence from Sweden**

Peter BERCK, Univ. California, Berkeley, USA, Sofia TANO, and Olle WESTERLUND, Umeå Univ., Sweden

Discussant: Jeremiah ALLEN, Univ. Lethbridge, AB, Canada



Tuesday, 2:30 – 5:45 PM

**Paper Session 4C ~****High Tech and Regional Development**

Chair: Shaoming CHENG, Florida International Univ., Miami, USA

2:30–3:15

**Temporal changes in the social networks within an industrial center**

Neil REID and Paula ROSS, Univ. Toledo, and Bruce W. SMITH, Bowling Green State Univ., OH, USA

Discussant: Seung-Kyu HA, Chung-Ang Univ., Seoul, Korea

3:15–4:00

**Innovation in knowledge intensive business services: The independence of collaborative behavior and geography**

David DOLOREUX, Univ. Ottawa, ON, and Richard SHEARMUR, INRS Urbanisation, Culture et Société, Montréal, QC, Canada

Discussant: Hans LÖÖF, CESIS and KTH, Stockholm, Sweden

4:00–4:15, Coffee Break

4:15–5:00

**Creative milieus in the Stockholm region**

Börje JOHANSSON, Jönköping International Business School, and Johan KLAESSON, CESIS and Royal Institute of Technology, Stockholm, Sweden

Discussant: Shaoming CHENG, Florida International Univ., Miami, USA

5:00–5:45

**Lessons from an established university research park**

Jaewon LIM, Lay James GIBSON, and Vera PAVLAKOVICH-KOCHI, Univ. Arizona, Tucson, USA

Discussant: Mats WILHELMSSON, Royal Institute of Technology, Stockholm, Sweden



Tuesday, 2:30 – 5:45 PM

**Paper Session 4D ~****Environmental Management II**

Chair: Yoshiro HIGANO, Univ. Tsukuba, Japan

2:30–3:15

**Local economic impacts of natural disasters**

Yu XIAO, Texas A&amp;M Univ., College Station, USA

Discussant: Roger H. COUPAL, Univ. Wyoming, Laramie, USA

3:15–4:00

**A study on promotion policy of residential photovoltaic considering learning effect and environmental value**

Yoshiro HIGANO, Univ. Tsukuba, Susumu UCHIDA, National Agriculture and Food Research Organization, Zhihong SHEN and Feng XU, Univ. Tsukuba, Takeshi MIZUNOYA, Wako Univ., Tokyo, and Katsuhiro SAKURAI, Risho University, Japan

Discussant: Matthias RUTH, Univ. Maryland, College Park, USA

4:00–4:15, Coffee Break

4:15–5:00

**Estimations of demand for household water in Jordan:****Planning for public water systems improvements**

Paul JAKUS and John KEITH, Utah State Univ., Logan, USA

Discussant: Zhihong SHEN, Univ. Tsukuba, Japan

5:00–5:45

**An estimate of water pollutant inflow into the Tokyo Bay, Japan in the late 19th century**

Katsuhiro SAKURAI, Risho Univ., Tokyo, Tetsuya TAKAHASHI, Univ. Tokyo, Shintaro KOBAYASHI, Japan International Research Center for Agricultural Sciences, and Yoshiro HIGANO, Univ. Tsukuba, Japan

Discussant: Tracy STOBBE, Trinity Western Univ., Langley, BC, Canada



Tuesday, 2:30 – 5:45 PM

**Paper Session 4E ~ Advances in Spatial Modeling: Approaches and Applications II**

Chair: Sandy DALL'ERBA, Univ. Arizona, Tucson, USA

2:30–3:15

**Visualizing regional income distribution dynamics**

Sergio J. REY, Alan T. MURRAY, and Luc ANSELIN, Arizona State Univ., Tempe, USA

Discussant: An LIU, Univ. Groningen, The Netherlands

3:15–4:00

**Analysis on the changes of convergence of regional economic growth in China: 1984–2008**

Fei CHEN and Hongwu WEN, Nanchang Univ., China

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

4:00–4:15, Coffee Break

4:15–5:00

**Optimal weights for the local Moran statistic**

Peter A. ROGERSON and Peter KEDRON, Univ. at Buffalo, NY, USA

Discussant: Stuart SWEENEY, Univ. California, Santa Barbara, USA

5:00–5:45

**Continuous-time modeling with spatial dependence**

Johan H.L. OUD, Radboud Univ. Nijmegen, Henk FOLMER, Univ. Groningen, The Netherlands, Roberto PATUELLI, Univ. Lugano, Switzerland, and the Rimini Centre for Economic Analysis, Italy, and Peter NIJKAMP, Free University Amsterdam, The Netherlands

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



Tuesday, 2:30 – 5:45 PM

**Paper Session 4F ~****Social/Economic Issues and Regional Analysis**

Chair: Hans WESTLUND, Royal Institute of Technology, Stockholm, and Jönköping International Business School, Sweden  
2:30–3:15

**Enhancing our understanding of urban violence with mathematical programming**

Tony GRUBESIC, Drexel Univ., Philadelphia, PA, USA

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

3:15–4:00

**Border effects and liquor sales: The case of New Brunswick**

Andrew ECKERT, Univ. Alberta, Edmonton, and James WOLCOTT, Columbia Pacific Consulting, Vancouver, BC, Canada

Discussant: JiYoung PARK, Univ. at Buffalo, NY, USA

4:00–4:15, *Coffee Break*

4:15–5:00

**Decomposing household and firm amenity effects with an application to casino gambling**

Michael WENZ, Northeastern Illinois Univ., Chicago, USA

Discussant: John I. CARRUTHERS, George Washington Univ., Washington, DC, USA

5:00–5:45

**Regional differences in wine price and quality: Chauvinism and hubris in California wine**

Jon R. MILLER and Eric T. STUEN, Univ. Idaho, Moscow, USA

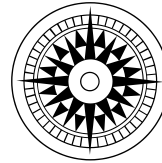
Discussant: R. Pete PARCELLS, Whitman College, Walla Walla, WA, USA



Tuesday, 6:00 – 7:30 PM

**Golden Anniversary Reception**

For all participants and accompanying persons:  
Everyone welcome!



Wednesday, March 2

7:45 AM – 12:15 PM *Registration (Fairway Foyer)*

8:00 AM – 12:15 PM

**Six Concurrent Paper Sessions:**

5A Transportation Modes and Commuting

5B Trade I

5C Housing I

5D Migration II

5E Industrial Location and Regional Impacts

5F Remote Regions II: Change in the North

9:30 – 10:00 AM *Coffee Break*12:15 – 1:15 PM *Lunch Break* (On your own this day)1:15 – 5:45 PM *Registration Continues*

1:30 – 5:45 PM

**Five Concurrent Paper Sessions:**

6A Industrial Location and Equity

6B Transportation Planning

6C Trade II

6D Remote Regions III: Causes and consequences of migration in the North

6E Housing II

3:00 – 3:30 PM *Coffee Break*5:45 PM (*End of Conference*)

Wednesday, 8:00 AM – 12:15 PM

**Paper Session 5A ~****Transportation Modes and Commuting**

Chair: Claude GRUEN, Gruen Gruen + Associates, San Francisco, CA, USA

8:00–8:45

**Measuring bicyclists' exposure to black carbon emissions: The case of Seattle, Washington**

C.-H. Christine BAE, Andy E-Sok HONG, and Timothy V LARSON, Univ. Washington, Seattle, USA

Discussant: Roger R. STOUGH, George Mason Univ., Fairfax, VA, USA

8:45–9:30

**Transit or automobile? Accessibility and labor market outcomes of the poor**

Ivy Lingqian HU, Univ. Wisconsin-Milwaukee, and Genevieve GIULIANO, Univ. Southern California, Los Angeles, USA

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

9:30–10:00, *Coffee Break*

10:00–10:45

**Impact of transit-oriented development on resident travel behavior: A Texas study**

Terry CLOWER, Michael BOMBA, Paul HENDERSHOT, and Paul RUGGIERE, Univ. North Texas, Denton, USA

Discussant: Pengyu ZHU, Univ. Southern California, Los Angeles, USA

10:45–11:30

**Has high density urban development in Seoul effected a reduction of automobile usage in commuting?**

Myung-Jin JUN, Chung-Ang Univ., Seoul, and Jae Ik KIM and Jin-Hwi KWON, Keimyung Univ., Daegu, Korea

Discussant: Ardeshir ANJOMANI, Univ. Texas, Arlington, USA

11:30–12:15

**Has Seoul's bus rapid transit (BRT) effected changes in commuter mode choice?**

Myung-Jin JUN, Chung-Ang Univ., Korea

Discussant: Ivy Lingqian HU, Univ. Wisconsin-Milwaukee



**Wednesday, 8:00 – 11:30 AM  
Paper Session 5B ~ Trade I**

Chair: Kingsley E. HAYNES, George Mason Univ., Fairfax, VA, USA

8:00–8:45

**Regional inequality and foreign direct investment in China**

Huaqun LI and Kingsley HAYNES, George Mason Univ., Fairfax, VA, USA

Discussant: Martin ANDERSSON, Jönköping International Business School, Sweden

8:45–9:30

**Imports, knowledge flows, and renewal of regional exports**

Martin ANDERSSON, Lina BJERKE, and Charlie KARLSSON, Jönköping International Business School, Sweden

Discussant: Michael SZENBERG, Pace Univ., New York, NY, USA

9:30–10:00, Coffee Break

10:00–10:45

**Taiwan's trading arrangements and industrial location**

I-Ju TSAI, National United Univ., MiaoLi, and Kenneth S. LIN, National Taiwan Univ., Taipei

Discussant: Charlie KARLSSON, Jönköping International Business School, Sweden

10:45–11:30

**The relationship between export enhancement and import substitution**

Stephen COOKE and Philip WATSON, Univ. Idaho, Moscow, USA

Discussant: Discussant: Gary TOMPKINS, Univ. Regina, SK, Canada



Wednesday, 8:00 AM – 12:15 PM

**Paper Session 5C ~ Housing I**

Chair: Timothy D. HOGAN, Arizona State Univ., Tempe, USA  
8:00–8:45

**Housing development, inclusive communities and mobilization of social capital in South Korea**

Seong-Kyu HA and Eun-Jin CHOI, Chung-Ang Univ., Seoul, Korea

Discussant: Lise BOURDEAU-LEPAGE, Univ. Paris, France  
8:45–9:30

**Housing the urban poor: A conceptual discourse**

Kh. Md. NAHIDUZZAMAN, King Fahd Univ. Petroleum and Minerals, Dhahran, Saudi Arabia

Discussant: Nina GRUEN, Gruen Gruen + Associates, San Francisco, CA, USA

9:30–10:00, Coffee Break

10:00–10:45

**Beyond preference: Modelling segregation under regulation**

Yiming WANG, Cardiff Univ., Wales, UK

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

10:45–11:30

**Residential mobility and housing tenure transitions: The role of residential location**

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

Discussant: Yiming WANG, Cardiff Univ., Wales, UK

11:30–12:15

**Housing ownership changes in an era of promoting the American Dream: The view from within**

Michael WEBB and Lawrence BROWN, The Ohio State Univ., Columbus, USA

Discussant: Ralph B. McLAUGHLIN, Univ. South Australia, Adelaide



Wednesday, 8:00 – 11:30 AM

**Paper Session 5D ~ Migration II**

Chair: Mark D. PARTRIDGE, The Ohio State Univ., Columbus, USA

8:00–8:45

**Rural homeownership and labor mobility in the U.S.**

Daniel MONCHUK, Maureen KILKENNY, and Euan PHIMISTER, Univ. Nevada, Reno, USA

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

8:45–9:30

**Tracking the mean center of the U.S. population, 1990–2009: Methods for assessing the contributions of the demographic components of change**

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

Discussant: Seth E. SPIELMAN, Univ. Colorado, Boulder, USA

9:30–10:00, Coffee Break



10:00–10:45

***A gravity approach to cross-regional mobility of inventors: Evidence from Europe***

Ernest MIGUÉLEZ and Rosina MORENO, Univ. Barcelona, Spain

Discussant: Jouke VAN DIJK, Univ. Groningen, The Netherlands

10:45–11:30

***Cultural avoidance and internal migration in the USA: Do the source countries matter?***

Alessandra FAGGIAN, Univ. Southampton, England, UK, Mark D. PARTRIDGE, The Ohio State Univ., Columbus, and Dan S. RICKMAN, Oklahoma State Univ., Stillwater, USA

Discussant: Michael J. GREENWOOD, Univ. Colorado, Boulder, USA



Wednesday, 8:00 – 11:30 AM

***Paper Session 5E ~***

***Industrial Location and Regional Impacts***

Chair: Jaewon LIM, Univ. Arizona, Tucson, USA

8:00–8:45

***R&D-persistence, metropolitan externalities and productivity***

Hans LÖÖF, CESIS and KTH, and Börje JOHANSSON, Jönköping International Business School, CESIS, and KTH, Stockholm, Sweden

Discussant: Wolfgang DAUTH, Univ. Erlangen-Nuremberg, Germany

8:45–9:30

***Measuring the location of economic activity (employment): The specialization and the spatial concentration, two aspects of the same phenomenon***

Ion Lucian CEAPRAZ, AgroParisTech, France

Discussant: Tüzin BAYCAN, Istanbul Technical University, Turkey, and George Mason University, Fairfax, VA, USA

9:30–10:00, *Coffee Break*

10:00–10:45

***The welfare effect of economic diversity in rural regions: An analysis of Dutch municipalities***

Sierdjan KOSTER and Aleid E. BROUWER, Univ. Groningen, and Eveline S. VAN LEEUWEN, Free Univ. Amsterdam, The Netherlands

Discussant: Kimiko UNO, Tokyo Univ. of Foreign Studies, Japan

10:45–11:30

***Discordant city employment cycles***

Michael T. OWYANG, Federal Reserve Bank of St. Louis, Jeremy PIGER, Univ. Oregon, Eugene, and Howard J. WALL, Federal Reserve Bank of St. Louis, MO, USA

Discussant: Andrew PERUMAL, Univ. Nebraska, Lincoln, USA



Wednesday, 8:00 AM – 12:15 PM

***Paper Session 5F ~ Remote Regions II: Change in the North***

Chair: Greg PROTASEL, Univ. Alaska, Anchorage, USA  
8:00–8:45

***Canada's Northern Economy: New (and different) challenges***  
Pierre-Marcel DESJARDINS, Université de Moncton, NB, and Mario POLÈSE and Richard SHEARMUR, INRS Urbanisation, Culture et Société, Montréal, QC, Canada

Discussant: Lance HOWE, Univ. Alaska, Anchorage, USA  
8:45–9:30

***The high north in change: Geopolitical point of view***

Lassi HEININEN, Univ. Lapland, Finland

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

9:30–10:00, *Coffee Break*

10:00–10:45

***Alaska's economy after Prudhoe Bay***

Scott GOLDSMITH, Institute of Social and Economic Research, Univ. Alaska, Anchorage, USA

Discussant: Tim HELENIK, Univ. Maryland, College Park, USA

10:45–11:30

***Looking for the future: the life and work of George W. Rogers***

Terrence COLE, Univ. Alaska, Fairbanks, USA

Discussant: Doug JONES, The Ohio State Univ., Columbus, USA

11:30–12:15

***A social system model for understanding human adaption to Arctic environmental change***

Matt BERMAN, Institute of Social and Economic Research, Univ. Alaska, Anchorage, USA

Discussant: Greg PROTASEL, Univ. Alaska, Anchorage, USA



Wednesday, 12:15 PM – 1:30 PM

***Lunch Break (On your own this day)***



Wednesday, 1:30 – 5:00 PM

***Paper Session 6A ~***

***Industrial Location, Knowledge and Equity***

Chair: Neil REID, Univ. Toledo, OH, USA

1:30–2:15

***Bridging the knowledge to commercialization valley: The good, the bad, and the challenging***

Tüzin BAYCAN, Istanbul Technical University, Turkey, and George Mason University, and Roger R. STOUGH, George Mason Univ., Fairfax, VA, USA

Discussant: Johann KLAESSON, CESIS and the Royal Institute of Technology, Stockholm, Sweden

2:15–3:00

**Poverty ratios in Asia and Sub-Sahara Africa based on logit models**

Kimiko UNO, Tokyo Univ. of Foreign Studies, Japan  
 Discussant: Brian ROBERTS, Univ. Canberra, ACT, Australia

3:00–3:30, *Coffee Break*

3:30–4:15

**Vocational education and training and its impact on earnings, unemployment and well-being**

Roland ANDERSSON, Pardis Nabari LARIJANI, and Mats WILHELMSSON, Royal Institute of Technology, Stockholm, Sweden

Discussant: Howard J. WALL, Federal Reserve Bank of St. Louis, MO, USA

4:15–5:00

**A location-based comparison of health care services in four U.S. states with efficiency and equity**

M.L. BURKEY, North Carolina A&T State Univ., Greensboro, J. BHADURY, Univ. North Carolina, Greensboro, USA, and H.A. EISELT, Univ. New Brunswick, Fredericton, Canada

Discussant: Eveline S. VAN LEEUWEN, Free Univ. Amsterdam, The Netherlands



Wednesday, 1:30 – 3:00 PM

**Paper Session 6B ~ Transportation Planning**

Chair: C-H. Christine BAE, Univ. Washington, Seattle, USA

1:30–2:15

**'Compact' or 'sprawl' for sustainability? Measuring the effect of urban form on travel behavior in Korea**

Kichan NAM and Up LIM, Yonsei Univ., and Brian H.S. KIM, Seoul National Univ., Korea

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

2:15–3:00

**Are telecommuting and personal travel complements or substitutes?**

Pengyu ZHU, Univ. Southern California, Los Angeles, USA  
 Discussant: T.R. LAKSHMANAN, Boston Univ., MA, USA



Wednesday, 1:30 – 5:00 PM

**Paper Session 6C ~ Trade II**

Chair: Gary TOMPKINS, Univ. Regina, SK, Canada

1:30–2:15

**Estimating quarterly interregional commodity flows by means of temporal interpolation methods: The Spanish case**

Nuria GALLEGO LÓPEZ, Carlos LLANO VERDURAS, and Julián PÉREZ GARCÍA, Univ. Autónoma de Madrid, Spain

Discussant: Michael T. OWYANG, Federal Reserve Bank of St. Louis, MO, USA

2:15–3:00

**The paradoxical behavior of regions in response to free trade and growth in the post-Cold War global economy**

Lall B. RAMRATTAN and Michael SZENBERG, Pace Univ., New York, NY, USA

Discussant: I-Ju TSAI, National United Univ., Miaoli, Taiwan

3:00–3:30, *Coffee Break*

3:30–4:15

**External trade and internal geography**

Martin ANDERSSON and Jan WEISS, Jönköping International Business School, Sweden

Discussant: Stephen COOKE, Univ. Idaho, Moscow, USA

4:15–5:00

**The mysteries of trade: Interindustry spillovers in cities**

Wolfgang DAUTH, Univ. Erlangen-Nuremberg, Germany

Discussant: Ion Lucian CEAPRAZ, AgroParisTech, France



Wednesday, 1:30 – 5:45 PM

**Paper Session 6D ~ Remote Regions III: Causes and Consequences of Migration in the North**

Chair: Scott GOLDSMITH, Institute of Social and Economic Research, Univ. Alaska, Anchorage, USA

1:30-2:15

**Settling the Arctic: land claims and population movement**

Stephanie MARTIN, Institute of Social and Economic Research, Univ. Alaska, Anchorage, USA

Discussant: Aldene MEIS MASON, Univ. Regina, SK, Canada

2:15–3:00

**The depopulation of Russia's most remote regions: Magadan and Chukotka**

Tim HELENIAC, Univ. Maryland, College Park, USA

Discussant: Matt BERMAN, Institute of Social and Economic Research, Univ. Alaska, Anchorage, USA

3:00-3:30, *Coffee Break*

3:30-4:15

**Internal migration in Alaskan Arctic**

Lance HOWE, Univ. Alaska, Anchorage, USA

Discussant: Alexandra HILL, Institute of Social and Economic Research, Univ. Alaska, Anchorage, USA

4:15-5:00

**Active labor market programs and regional mobility of labor: evidence from the Swedish recession, 1994–1995**

Robert A. NAKOSTEEN, Univ. Massachusetts, Amherst, Olle WESTERLUND, Umeå Univ., Sweden, and Michael ZIMMER, Univ. Evansville, IN, USA

Discussant: Scott GOLDSMITH, Institute of Social and Economic Research, Univ. Alaska, Anchorage, USA

5:00-5:45

**The importance of place in Arctic migration**

Lee HUSKEY, Univ. Alaska, Anchorage, USA

Discussant: Pierre-Marcel DESJARDINS, Université de Moncton, NB, Canada



*Wednesday, 1:30 – 3:00 PM*

***Paper Session 6E ~ Housing II***

Chair: Sheikh Sabia SULTANA, King Fahd Univ.  
of Petroleum and Minerals, Dhahran, Saudi Arabia

*1:30–2:15*

***Economic stability and spatial structure as determinants of  
residential foreclosure rates in U.S. metropolitan areas***

Fernando DePAOLIS, Monterey Institute, CA, and Nabil  
KAMEL, Arizona State Univ., Tempe, USA

Discussant: Lawrence BROWN, The Ohio State Univ.,  
Columbus, USA

*2:15–3:00*

***Metropolitan growth policies and new housing supply: Evidence  
from Australia's capital cities***

Ralph B. McLAUGHLIN, Univ. South Australia, Adelaide

Discussant: Janet KOHLHASE, Univ. Houston, TX, USA

***(Conference ends @ 5:45 PM)***

