



Western Regional Science Association 50th Anniversary Meeting

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

Welcome to Monterey, to WRSA's 50th Annual Meeting, and to our Golden Anniversary celebration.

There may have been some changes since you last checked the Preliminary Program on the WRSA website. Please verify the timing, as well as the locations, of papers and sessions. The Program Participant Locator, on Pages 16–19, should help you find when and where you and others are scheduled.

The floor plan on Page 20 can help you find conference events.

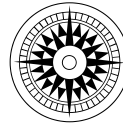
The box at the bottom Page 9 contains important information about how the sessions will be conducted.

A number of special events will be held during the conference to celebrate WRSA's Golden Anniversary. Sunday at 3:30 PM in the Cypress Ballroom, the First Annual Lay Gibson Plenary Opening Session will highlight the history of WRSA. The traditional Welcoming Reception will immediately follow in the Monterey Bay Room. All accompanying persons are welcome to attend both the Opening Session and Reception! All registrants (and those for whom a Banquet and Receptions ticket packet have been purchased) may use their included GREEN ticket for a first drink from the bar. Beverages will also be available on a cash-bar basis.

The special 50th Annual Banquet Luncheon will be on Tuesday at 12:30 PM in the Dolphins Ballroom (Upper / Street Level). Bring your BLUE ticket to be seated. Accompanying persons who are not paid registrants must have tickets to attend this event. The entrée will be herb-grilled chicken breast. Vegetarians should let Lauren at the Registration Desk know by Sunday evening to order an alternate main course.

On Tuesday evening, beginning at 6:00 PM, we will hold a Golden Anniversary Reception. All are welcome at this main social function! Use the last of the tickets in your packet (the GOLDEN one, of course!) for a first drink. There will some hors d'oeuvres and a cash bar for additional beverages.

Best wishes for a productive and stimulating conference. Now, let's celebrate, big-time, the first half-century of the best little regional science association on the planet!



Sunday, February 27

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

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

5:30 – 7:00 PM, **Welcoming Reception** (Monterey Bay)



Sunday, 3:30 – 5:15 PM
Cypress Ballroom

The 1st Annual Lay James Gibson Plenary Opening Session

Chair: Robert STIMSON, Univ. Queensland, Australia
and WRSA 51st 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 50th Anniversaries of the WRSA
and the Institute of Social & Economic Research, University of
Alaska, Anchorage,*

Heather E. HUDSON, Director, ISER

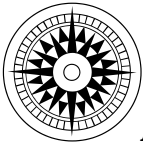


Sunday, 5:30 – 7:00 PM
Monterey Bay Room

Welcoming Reception

(Cosponsored by ISER, 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, **Concurrent Sessions:**

- 1A Regional Development Strategies (Cypress 1)
- 1B Rural Land Use and Management (Cypress 2)
- 1C Urban Issues I (Cypress 3)
- 1D Public Finance (Cypress 4)
- 1E Regional Modeling (Point Lobos 1)
- 1F Demographic Change & Neighborhoods (Point Lobos 2)
- 1G Western States Econ. Outlook (Robert Louis Stevenson)

9:30 – 10:00 AM, **Coffee Break** (Cypress Foyer)

12:15 – 1:30 PM, **Lunch Break** (On your own this day)

1:15 – 5:45 PM, **Registration Continues** (Fairway Foyer)

1:30 – 5:45 PM, **Concurrent Sessions:**

- 2A The Regional Science of Education (Cypress 1)
- 2B Urban Issues II (Cypress 2)
- 2C Regional Modeling II (Cypress 3)
- 2D Innovation (Cypress 4)
- 2E Green Energy and Environmental Management (Point Lobos 1)
- 2F Impact Analysis (Point Lobos 2)
- 2G Panel: Urban Policy (Robert Louis Stevenson)

3:00 – 3:30 PM, **Coffee Break** (Cypress Foyer)

3:30 – 5:00 PM, **WRSA Board Meeting** By invitation only
(Dolphins Ballroom—Upper Terrace / Street Level)



Monday, 8:00 AM – 12:15 PM Paper Session 1A ~ Cypress 1 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: Hans LÖÖF, CESIS and KTH, Stockholm, Sweden

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 1B ~ Cypress 2 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 ~ Cypress 3
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. Incheon, Korea

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



Monday, 8:00 – 11:30 AM
Paper Session 1D ~ Cypress 4
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

**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

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



Monday, 8:00 AM – 12:15 PM
Paper Session 1E ~ Point Lobos 1
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., Korea

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, Hyesung 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 TEMURSHOEY 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 morning program continues on p. 4...



Monday, 8:00 AM – 12:15 PM
Paper Session 1F ~ Point Lobos 2

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 ~ Robert Louis Stevenson
Western States Economic Outlook

(Cosponsored by AUBER)

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

Western States Overview

Lee McPHETERS, Arizona State Univ., Tempe, USA

Arizona

Lee McPHETERS, 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

Andrew PERUMAL, Univ. Nebraska, Lincoln, USA

Nevada

Stephen 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 ~ Cypress 1
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 ~ Cypress 2
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 capabilist 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 ~ Cypress 3
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 ~ Cypress 4
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: Douglas WOODWARD, Univ. South Carolina, Columbia, USA

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 McPHERTERS, Arizona State Univ., Tempe, USA

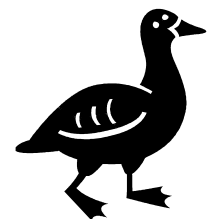
4:15–5:00

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 afternoon program continues on page 6...





Monday, 1:30 – 5:00 PM

Paper Session 2E ~ Point Lobos I

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 ~ Point Lobos 2

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 (Note: Paper withdrawn, 2/24) Other presentation times remain as shown in printed program)

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 ~ Robert Louis Stevenson
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 21st century.

After an overview presentation of the book's themes, the panelists will respond, sharing their reactions and diverse perspectives.



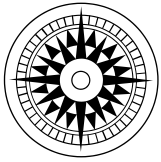
Monday, 3:30 – 5:00 PM

WRSA Board Meeting

(By Invitation Only)

Dolphins Ballroom—Upper Terrace / Street Level

Convenor: David A. PLANE, Univ. Arizona, Tucson, USA, and WRSA Executive Secretary



Tuesday, March 1

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

Registration (Fairway Foyer)

8:00 or 8:45 AM – 12:15 PM, **Concurrent Sessions:**

- 3A Advances in Spatial Modeling I (Cypress 1)
- 3B Regional Structure and Theory (Cypress 2)
- 3C Jobs and Wages (Cypress 3)
- 3D Urban Issues III (Cypress 4)
- 3E Innovation and Competition (Point Lobos 1)
- 3F Environmental Management I (Point Lobos 2)

9:30 – 10:00 AM, **Coffee Break** (Cypress Foyer)

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

(Dolphins Ballroom—Upper Terrace / Street Level)

2:15 – 5:45 PM, **Registration Continues** (Fairway Foyer)

2:30 – 5:45 PM, **Concurrent Sessions:**

- 4A Remote Regions I: Institutions and Development in the North (Cypress 1)
- 4B Migration I (Cypress 2)
- 4C High Tech and Regional Development (Cypress 3)
- 4D Environmental Management II (Cypress 4)
- 4E Advances in Spatial Modeling II (Point Lobos 1)
- 4F Social Economic Issues and Regional Analysis (Point Lobos 2)

4:00 – 4:15 PM, **Coffee Break** (Cypress Foyer)

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

(Dolphins Ballroom—Upper Terrace / Street Level)



Tuesday, 8:00 AM – 12:15 PM Paper Session 3A ~ Cypress 1 Advances in Spatial Modeling 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 GALLEGÓ 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 ~ Cypress 2 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 SORENSON, 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 morning program continues on page 8...





Tuesday, 8:00 AM – 12:15 PM
Paper Session 3C ~ Cypress 3
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: Changkeun LEE, Seoul National Univ., Korea



Tuesday, 8:00 AM – 12:15 PM
Paper Session 3D ~ Cypress 4
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, Keimung 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, 8:45 AM – 12:15 PM
Paper Session 3E ~ Point Lobos 1
Innovation and Competition

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

8:45–9:30

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

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 ~ Point Lobos 2
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

Notes on Session Format & 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 (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 to facilitate attendees catching the papers they wish to hear in the various concurrent sessions.
- As a courtesy to other presenters, all participants are asked to attend the full session.

Mahalo!

It's the Silver Anniversary of WRSA's Tiebout Prize in Regional Science!

This is the 25th consecutive WRSA Annual Meeting at which the Charles M. Tiebout Prize will have been presented. The Prize, established in 1987, is awarded to the best paper submitted by a graduate student. The winner receives \$1,000 to help defray the costs of attending the conference.

The Prize honors the memory of one of the Founding Fathers of WRSA for his outstanding contributions to regional science before his untimely death in 1968. In addition to his scholarly achievements, "Charlie" Tiebout brought wit, irreverence, and goodwill to everything he did and everyone he knew. He was particularly good in advising, counseling, and encouraging graduate students: thus, it is fitting that the WRSA's annual prize bearing his name be awarded to the best graduate student paper in regional science.

- 24th, 2010: **Colleen Donovan**, University of California, Berkeley
- 23rd, 2009: **Yiming Wang**, University of Southern California
- 22nd, 2008: **Haifeng Qian**, George Mason University
- 21st, 2007: **Michael Wenz**, Winona State University
- 20th, 2006: **Rocco R. Huang**, The University of Amsterdam, The Netherlands
- 19th, 2005: **Shaoming Chen**, George Mason University
- 18th, 2004: **Sandy Dall'Erba**, Université de Pau, France
- 17th, 2003: Co-winners:
Chokri Dridi, University of Illinois, Urbana-Champaign
Bhanu Yerra, University of Minnesota
- 16th, 2002: **Tracy Gordon**, University of California, Berkeley
- 15th, 2001: **Brian Mikelbank**, Ohio State University
- 14th, 2000: **Arno van der Vlist**, Free University of Amsterdam
- 13th, 1999: **Kara Kockelman**, University of Texas, Austin
- 12th, 1998: **Alexander C. Vias**, University of Arizona
- 11th, 1997: Co-winners:
Seong Woo Lee, University of Southern California
Woo Suk Zhee, University of Southern California
- 10th, 1996: **Steven P. Raphael**, University of California, Berkeley
- 9th, 1995: **David M. Levinson**, University of California, Berkeley
- 8th, 1994: **Ricardo Gazel**, University of Illinois
- 7th, 1993: Co-winners:
Hsin-Ping Chen, University of California, Irvine
Alastair McFarlane, University of Michigan
- 6th, 1992: **Henry Buist**, University of Pennsylvania
- 5th, 1991: **Katherine M. O'Regan**, University of California, Berkeley
- 4th, 1990: **T. Wong**, University of Manitoba
- 3rd, 1989: **Scott Campbell**, University of California, Berkeley
- 2nd, 1988: **Stephen J. Appold**, University of North Carolina
- 1st, 1987: **Timothy J. Fik**, University of Arizona



Tuesday, 12:30 – 2:15 PM
50th Anniversary Luncheon

(For all registered and paid participants; tickets required)
 Dolphins Ballroom—Upper Terrace / Street Level

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

Announcements:

David A. PLANE, WRSA Executive Secretary

Musical Presentation:

A Performance by the WRSA 'Bandidos'

The 15th Annual Springer-Verlag Prize

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

A Short History of WRSA's Tiebout Prize

Theodore LANE and Geoffrey J.D. HEWINGS

The 25th Charles M. Tiebout Prize

Presented by: T. John KIM, 49th 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 ~ Cypress 1

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: Lee HUSKEY, Univ. Alaska, Anchorage, USA

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



Tuesday, 2:30 – 5:45 PM
Paper Session 4B ~ Cypress 2

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 ~ Cypress 3

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 ~ Cypress 4
Environmental Management II***

Chair: Yoshiro HIGANO, Univ. Tsukuba, Japan

2:30–3:15

Local economic impacts of natural disasters

Yu XIAO, Texas A&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 Katsuhiko 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

Katsuhiko 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 ~ Point Lobos I
Advances in Spatial Modeling 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 ~ Point Lobos 2***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

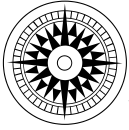
Discussant: R. Pete PARCELLS, Whitman College, Walla Walla, WA, USA



Tuesday, 6:00 – 7:30 PM

Dolphins Ballroom—Upper Terrace / Street Level

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 or 8:45 AM – 12:15 PM, **Concurrent Sessions:**

- 5A Transportation Modes and Commuting (Cypress 1)
- 5B Trade I (Cypress 2)
- 5C Housing I (Cypress 3)
- 5D Migration II (Cypress 4)
- 5E Industrial Location & Regional Impacts (Point Lobos 1)
- 5F Remote Regions II: Change in the North (Point Lobos 2)

9:30 – 10:00 AM, **Coffee Break** (Cypress Foyer)

12:15 – 1:30 PM, **Lunch Break** (On your own this day)

1:30 – 5:45 PM, **Concurrent Sessions:**

- 6A Industrial Location and Equity (Cypress 1)
- 6B Transportation Planning (Cypress 2)
- 6C Trade II (Cypress 3)
- 6D Remote Regions III: Migration in the North (Cypress 4)
- 6E Housing II (Point Lobos 1)

3:00 – 3:30 PM, **Coffee Break** (Cypress Foyer)

(5:45 PM, *End of Conference*)



Wednesday, 8:00 AM – 12:15 PM

Paper Session 5A ~ Cypress 1

Transportation Modes and Commuting

Chair: Ardeshir ANJOMANI, Univ. Texas, Arlington, 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 ~ Cypress 2

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: Martin ANDERSSON, 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: Gary TOMPKINS, Univ. Regina, SK, Canada



Wednesday, 8:00 AM – 12:15 PM

Paper Session 5C ~ Cypress 3

Housing I

Chair: Fernando DePAOLIS, Monterey Institute, CA, 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 ~ Cypress 4

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 ~ Point Lobos 1
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, 8:45 – 11:30 AM
Paper Session 5F ~ Point Lobos 2

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

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 HELENIAC, Univ. Maryland, College Park, USA

10:45–11:30

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 ~ Cypress 1

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

Tüzün 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: Neil REID, Univ. Toledo, OH, 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 ~ Cypress 2

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 **4:15** PM

Paper Session 6C ~ Cypress 3

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 **(Paper withdrawn 2/25)**

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

4:15–5:00

3:30–4:15 (Note revised time of presentation.)

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 ~ Cypress 4

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 HELENIAK, 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 ~ Point Lobos I**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)



And Next Year...

**The Garden Island
The Sheraton Kauai, Poipu, Hawai'i
February 8-11, 2012**

For our 51st Annual Meeting we're returning to the scenic
site of our 39th Annual Meeting back in 2000.

Mark the dates and get working on a paper for
submittal by our traditional October 15 deadline. Please
note those 2012 dates are a couple of weeks earlier than in
most recent years (to avoid a conflict with the Association
of American Geographers, whose conference will be held
in New York City during our normal late-February dates.)

Our second conference on the Garden Island will
kick off with the 2nd Annual Lay Gibson Plenary Opening
Session and a Welcoming Reception late in the day on
Wednesday, February 8. Paper sessions will be held all
day Thursday through Saturday, February 9-11.

Watch the WRSA website, *Newsletter*, and Listserv
messages for more details in the months ahead.

Aloha!



**Which of our first 50
Meetings did you attend?**

50 th	2011	Monterey Plaza Hotel, Monterey, CA
49 th	2010	Hilton Sedona, Sedona, AZ
48 th	2009	Silverado Resort, Napa, CA
47 th	2008	Hilton Waikoloa Village Resort, Hawaii, HI
46 th	2007	Hyatt Regency, Newport Beach, CA
45 th	2006	La Fonda, Santa Fe, NM
44 th	2005	Hyatt Regency Islandia, San Diego, CA
43 rd	2004	Marriott Wailea Resort, Maui, HI
42 nd	2003	Rio Rico Resort, Rio Rico, AZ
41 st	2002	Hyatt Regency Monterey, Monterey, CA
40 th	2001	Riviera Resort & Racquet Club, Palm Springs, CA
39 th	2000	Sheraton Kauai Resort, Poipu, HI
38 th	1999	Ojai Valley Inn, Ojai, CA
37 th	1998	Hyatt-Regency Monterey, Monterey, CA
36 th	1997	Royal Waikoloan Resort, Waikoloa, Hawaii, HI
35 th	1996	Silverado Country Club and Resort, Napa, CA
34 th	1995	San Diego Princess Resort, San Diego, CA
33 rd	1994	Westward Look Resort, Tucson, AZ
32 nd	1993	Maui Inter-Continental Resort, Wailea, Maui, HI
31 st	1992	Caesar's Tahoe Resort, South Lake Tahoe, NV
30 th	1991	Monterey Plaza Hotel, Monterey, CA
29 th	1990	Kaluokoi Hotel, Molokai, HI
28 th	1989	San Diego Princess Resort, San Diego, CA
27 th	1988	Silverado Country Club, Napa, CA
26 th	1987	Kona Surf Resort, Keauhou, Hawaii, HI
25 th	1986	Surf and Sand Hotel, Laguna Beach, CA
24 th	1985	Hotel Del Coronado, Coronado (San Diego), CA
23 rd	1984	Casa Munras Hotel, Monterey, CA
22 nd	1983	The Prince Kuhio Hotel, Honolulu, HI
21 st	1982	Miramar Hotel, Santa Barbara, CA
20 th	1981	Newporter Inn, Newport Beach, CA
19 th	1980	Doubletree Inn, Monterey, CA
18 th	1979	Vacation Village Hotel, San Diego, CA
17 th	1978	Mansion Inn, Sacramento, CA
16 th	1977	Doubletree Inn, Tucson, AZ
15 th	1976	Vacation Village Hotel, San Diego, CA
14 th	1975	The Riviera Inn, Palm Springs, CA
13 th	1974	Edgewater Hyatt House, Long Beach, CA
12 th	1973	Del Monte Hyatt House, Monterey, CA
11 th	1972	Vacation Village Hotel, San Diego, CA
10 th	1971	Santa Barbara Biltmore Hotel, Santa Barbara, CA
9 th	1970	Vacation Village Hotel, San Diego, CA
8 th	1969	Newporter Inn, Newport Beach, CA
7 th	1968	Vacation Village Hotel, San Diego, CA
6 th	1967	(Meeting site unknown), Las Vegas, NV
5 th	1966	Santa Barbara Inn, Santa Barbara, CA
4 th	1965	(Meeting site unknown)
3 rd	1964	Student Union, Arizona State Univ., Tempe, AZ
2 nd	1963	Student Union, Univ. Oregon, Eugene, OR
1 st	1962	Univ. California, Berkeley, Berkeley, CA
1961		<i>The Association was founded...</i>



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.

~A~

AHN, Y.J. (2B) yongjina@usc.edu
ALBRITTON, R.B. (1C, 3D) ralbritt@olemiss.edu
ALLEN, J. (3C, 4B) allenj@uleth.ca
ALI, K. (4B)
AN, D. (1C)
ANDERSON, R. (4A)
ANDERSSON, M. (5B, 6C) martin.andersson@ihh.hj.se
ANDERSSON, R. (6A)
ANDERSSON, M. (5B) martin.andersson@jibs.hj.se
ANDO, A. (2C, 3B) ando@m.tohoku.ac.jp
ANJOMANI, A. (2B, 5A, 5A) anjomani@uta.edu
ANSELIN, L. (3A, 4E) luc.anselin@asu.edu
ATUESTA, L. (1E, 2C) latuest2@illinois.edu

~B~

BACKMAN, M. (1F, 2A) mikaela.backman@ihh.hj.se
BAE, C. (WB, 5A, 6B) cbae@u.washington.edu
BAILLY, A.S. (2D) antoine.bailly@unige.ch
BAYCAN, T. (5E, 6A) tbaycan@gmu.edu
BERCK, P. (4B)
BERMAN, M. (5F, 6D) matthew.berman@uaa.alaska.edu
BERNHARD, I. (1D, 2D) irene.bernhard@hv.se
BEYERS, W.B. (1E, 2C) beyers@u.washington.edu
BHADURY, J. (6A)
BJERKE, L. (2A, 5B)
BLOHM, A. (2E) andymd26@umd.edu
BOEKEMA, F. (1A, 2D) f.w.m.boekema@uvt.nl
BOMBA, M. (5A)
BOURDEAU-LEPAGE, L. (2B, 5C) lblepage@gmail.com
BRASINGTON, D.M. (1F, 2A) david.brasington@uc.edu
BROUWER, A.E. (5E)
BROWN, L. (5C, 6E) brown.8@osu.edu
BROWN, W.M. (2A, 3C) mark.brown@statcan.ca
BROWN, S. (1G) spa.brown@unlv.edu
BURKEY, M.L. (6A)

~C~

CARROLL, M.C. (1A, 2F) mcarroll@bgnet.bgsu.edu
CARRUTHERS, J.I. (WB, 3F, 4F) jic@gwu.edu
CEAPRAZ, I.L. (5E, 6C) ceaprazlucian@yahoo.com
CHEN, F. (4E) chenfei@ncu.edu.cn
CHENG, S. (3E, 4C, 4C) scheng@fiu.edu
CHERVACHIDZE, S. (3D)
CHO, D. (1B)
CHO, H. (1E)
CHO, J. (1E, 2C) joongkoo.cho@gmail.com

CHOE, K. (3E)
CHOI, E. (5C)
CHOI, J. (2F)
CHOI, S. (1F, 1F, 2B, 3D) choi@scag.ca.gov
CHURCH, R. (2F, 4F) church@geog.ucsb.edu
CLARK, D.E. (3F)
CLARK, J. (1B)
CLARK, W.A.V. (1F, 2A) wclark@geog.ucla.edu
CLOWER, T. (2E, 5A) tclower@unt.edu
COFFMAN, M. (1B, 2E) makenaka@hawaii.edu
COOKE, S. (5B, 6C) scooke@uidaho.edu
COREY, K.E. (1A, 2D) kenneth.corey@ssc.msu.edu
COUPAL, R. (2E, 2F, 4D) coupal@uwyo.edu

~D~

DALL'ERBA, S. (1A, 4E) dallerba@email.arizona.edu
DANA, L.P. (4A)
DAUTH, W. (5E, 6C) wolfgang.dauth@iab.de
DAVENPORT, F. (1B)
DE LA MATA, T. (1D, 2F) tamara.delamata@uam.es
DEPAOLIS, F.J. (3D, 5C, 6E) fdepaolis@miis.edu
DESJARDINS, P.M. (5F, 6D)
pierre-marcel.desjardins@umoncton.ca
DICK, R.M. (3F)
DIMOU, M. (3C, 3C) dimou@univ-reunion.fr
DOLOREUX, D. (4C)
DRUKKER, D. (3A)

~E~

EAKIN, H. (1B) hallie.eakin@asu.edu
ECKERT, A. (1D, 4F) andrew.eckert@ualberta.ca
EGGER, P. (3A)
EISELT, H.A. (3A, 6A) haeiselt@unb.ca
ELIASSON, K. (2A, 3C) kent.eliasson@tillvaxtanalys.se

~F~

FADALI, E. (2C)
FAGGIAN, A. (3C, 5D) a.faggian@soton.ac.uk
FAGIOLO, P. (2E)
FAN, Y.H. (1C, 3F) yhfan@ntu.edu.tw
FARRELL, L.M. (1D, 2B) michael_farrell@uqtr.ca
FOLMER, H. (1E, WB, 3A, 4E) henk.folmer@wur.nl
FOULKE, T. (2F, 3F) foulke@uwyo.edu
FRANKLIN, R.S. (1F, 2A, WB) rachel_franklin@brown.edu

~G~

GALLEGO LÓPEZ, N. (3A, 6C) nuria.gallego@uam.es
GEIGER, M. (2E)

GETIS, A. (WB, 4E) arthur.getis@sdsu.edu
 GIBSON, L.J. (OS, 2G, WB, 4C) ljgibson@cals.arizona.edu
 GIULIANO, G. (WB, 5A, 6B) giuliano@usc.edu
 GOLDSMITH, S. (5F, 6D, 6D) afosg2@uaa.alaska.edu
 GORDON, P. (1E, WB, 3D) pgordon@usc.edu
 GREENWOOD, M.J. (WB, 4B, 5D)
 michael.greenwood@colorado.edu
 GRUBESIC, T. (1F, 4F) tgrubesi@indiana.edu
 GRUEN, C. (2G) cgruen@ggassoc.com
 GRUEN, N. (5C) ngruen@ggassoc.com
 GUIMARAES, P. (3E)

~H~

HA, S. (4C, 5C) ha1234@cau.ac.kr
 HARRIS, T.R. (2C, 3F, 3F) harris@cabnr.unr.edu
 HAYNES, K.E. (WB, 5B, 5B) khaynes@gmu.edu
 HEEN, E. (3B)
 HEIKKILA, E.J. (1C, 3B) heikkila@sppd.usc.edu
 HELENIAK, T. (5F, 6D) heleniak@umd.edu
 HENDERSHOT, P. (5A)
 HEWINGS, G.J.D. (1E, WB, 3B, AL, 4B) hewings@uiuc.edu
 HIGANO, Y. (2E, 3F, 4D, 4D, 4D)
 higano@jsrsai.envr.tsukuba.ac.jp
 HILL, A. (4A, 6D) anarh1@uaa.alaska.edu
 HIRSHBERG, D. (4A) hirshberg@uaa.alaska.edu
 HITE, D. (2A)
 HONG, A.E. (5A)
 HOWE, L. (5F, 6D) elhowe@uaa.alaska.edu
 HU, I.L. (5A, 5A) hul@uwm.edu
 HUDSON, H.E. (OS, 4A) hehudson@uaa.alaska.edu
 HUR, K. (2B)
 HUSKEY, L. (4A, 4A, 4A, 6D) aflh@uaa.alaska.edu

~I~

IRAWATI, D. (1A) d.irawati@newcastle.ac.uk
 IRWIN, E. (1B)

~J~

JACKSON, R.W. (1E, WB, 3F) randall.jackson@mail.wvu.edu
 JAKUS, P. (4D) paul.jakus@usu.edu
 JENSEN, C.D. (2E, 3F) christa.jensen@mail.wvu.edu
 JEONG, D. (1E)
 JEONG, I. (2F)
 JOHANSSON, B. (2D, 4C, 5E) borje.johansson@ihh.hj.se
 JOHANSSON, S. (1B, 3F) sara.johansson@ihh.hj.se
 JONES, D. (2E, 4A) jones.1@osu.edu
 JUN, M. (2B, 5A, 5A) mjjun1@cau.ac.kr

~K~

KAMEL, N. (6E)
 KARLSSON, C. (5B) charlie.karlsson@ihh.hj.se
 KEDRON, P. (4E)
 KEITH, J. (2E, 4D) john.keith@usu.edu
 KI, J. (1B, 2B) johnki@mju.ac.kr
 KILKENNY, M. (3B, 5D) kilkenney@unr.edu
 KIM, B. (1B)
 KIM, B.H.S. (1C, 5A, 6B) hskim66@yonsei.ac.kr
 KIM, E. (1E, 1E, WB, AB) euijune@snu.ac.kr
 KIM, H.B. (1D, 2F) hokim@hanyang.ac.kr
 KIM, J.H. (1C) junhgkim@gmail.com
 KIM, J.I. (2B, 3D, 5A) kji@kmu.ac.kr
 KIM, K. (3D)
 KIM, M. (3F)
 KIM, T. (4B)
 KIM, T.J. (1C, 2B, AL) tjohnkim@uiuc.edu
 KLAESSON, J. (2D, 4C, 6A) johan.klaesson@jibs.hj.se

KOBOYASHI, S. (4D)
 KOHLHASE, J. (WB, 3D, AL, 6E) jkohlhase@uh.edu
 KOLLMAN, T. (1F, 4B) kollmann@email.arizona.edu
 KORPI, M. (3C, 4B) martin.korpi@framtidstudier.se
 KOSTER, S. (1A, 2D, 5E) sierdjan.koster@rug.nl
 KUMAR, M. (2F, 3A) mukesh.kumar@jsums.edu
 KUO, T. (3A)
 KWON, J. (3D, 3D, 5A) jinhwi1@kmu.ac.kr

~L~

LADU, M.G. (1A, 3A) mgladu@uniss.it
 LANE, T. (1B, 2F, AL) ted@thomaslaneassoc.com
 LANG, D.B. (2E)
 LAKSHMANAN, T.R. (1C, 6B) laksh@bu.edu
 LARIJANI, P.N. (6A)
 LARSON, T.V. (5A)
 LEE, C. (3C) bigtwo7@snu.ac.kr
 LEE, H. (1E, 5C) rmfldna14@snu.ac.kr
 LEE, K.O. (5C) kwan.lee@usc.edu
 LEI, T. (2F)
 LI, H. (5B)
 LIM, J. (4C, 5E) jlim@email.arizona.edu
 LIM, U. (6B) uplim@yonsei.ac.kr
 LIN, K.S. (5B)
 LIN, T.W. (2C)
 LIU, A. (3A, 4E) an.liu@rug.nl
 LLANO VERDURAS, C. (2F, 6C)
 LOGAN, J. (1F)
 LÖÖF, H. (1A, 4C, 5E) hansl@infra.kth.se
 LUNDGREN, M. (1C)

~M~

MANDELL, S. (1A, 3E) svante.mandell@vti.se
 MARTIN, S. (4A, 6D) ansml1@uaa.alaska.edu
 MATSUMOTO, A. (3B, 3B) akiom@tamacc.chuo-u.ac.jp
 McCHESNEY, R. (1B, 2C) mcchesneyr@aol.com
 McLAUGHLIN, R. (5C, 6E) ralph.mclaughlin@unisa.edu.au
 McLEOD, D. (2E)
 McPHETERS, L. (1G, 2D) lee.mcpheters@asu.edu
 MEIS MASON, A. (3F, 4A, 6D) aldene.meismason@uregina.ca
 MENG, B. (1E, 2C) bo.meng@oecd.org
 MERA, K. (3D) koichi.mera@verizon.net
 MICHAEL, J. (1G)
 MIGUÉLEZ, E. (3E, 5D) emiguel@ub.edu
 MILLER, J.R. (1D, 4F) jrmecon@uidaho.edu
 MIYATA, Y. (1E)
 MIZUNOYA, T. (4D) mizu@jsrsai.envr.tsukuba.ac.jp
 MOBLEY, L. (1F, 3A) lmobley@rti.org
 MONAHAN, R.L. (OS, WB) robltmonahan@comcast.net
 MONCHUK, D. (5D)
 MOORE, J.E. (1C, 1E) jmoore@usc.edu
 MORASCH, K. (5B)
 MORENO, R. (5D)
 MORRISON, P. (1F)
 MULLIGAN, G.F. (3B, 3B) mulligan@email.arizona.edu
 MUNDY, B. (1B)
 MUNN, J. (3E) jmunn@fmarion.edu
 MURRAY, A.T. (WB, 3A, 4E) atmurray@asu.edu

~N~

NAHIDUZZAMAN, K.M. (2B, 5C) nahid@kfupm.edu.sa
 NAKAMURA, D. (3E, 3E) nakamura@icsead.or.jp
 NAKAMURA, R. (3B)
 NAKOSTEEN, R.A. (6D)
 NAM, K. (6B)
 NEWBOLD, K.B. (2A, WB, 3C) newbold@mcmaster.ca

NIJKAMP, P. (5E) pnijkamp@econ.vu.nl
 NILSSON, P. (1B, 1B) pia.juusola@ihh.hj.se

~O~

OLFERT, R. (4B)
 OLIVER, A. (3F)
 OLSSON, A.R. (3D)
 OLSSON, M. (1C, 2B) michael.olsson@his.se
 OOSTERHAVEN, J. (1E, 2C) j.oosterhaven@rug.nl
 OSMAN, J. (3C, 5D) josman@comcast.net
 ØSTBYE, S. (1C, 3B) stein.ostbye@nfh.uit.no
 OUD, J.H.L. (3A, 4E)
 OWYANG, M.T. (1D, 5E, 6C) michael.t.owyang@stls.frb.org

~P~

PAN, Q. (1C, 2C) pan_qs@tsu.edu
 PARCELLS, R.P. (1G, 4F) parcells@whitman.edu
 PARK, C. (1F, 2A, 3C)
 PARK, I. K. (1B, 3D) ipark@camden.rutgers.edu
 PARK, J. (1E, 1F, 2B, 2C, 3D, 4F) jjiyoungp@gmail.com
 PARK, J. (1E)
 PATRICK, C. (1A) patrick.170@buckeyemail.osu.edu
 PARTRIDGE, M.D. (4B, 4B, 5D) partridge.27@cfaes.osu.edu
 PATUELLI, R. (4E) roberto.patueli@usi.ch
 PAVLAKOVICH-KOCHI, V. (4C)
 PÉREZ GARCÍA, J. (6C)
 PERUMAL, A. (1G, 3C, 5E) perumal.andrew@gmail.com
 PHIMISTER, E. (5D)
 PIGER, J. (5E)
 PLANE, D.A. (OS, WB, AL, 5D) plane@email.arizona.edu
 POLCHAROENSOOK, V. (2E)
 POLÈSE, M. (3E, 5F) mario.polese@ucs.inrs.ca
 POLZIN, P. (1G, 2F) paul.polzin@business.umd.edu
 PROTASEL, G. (4A, 5F, 5F) gp@uaa.alaska.edu
 PRUCHA, I. (3A, 4E) prucha@econ.umd.edu

~Q~

QUIGLEY, J. (2G, WB) quigley@econ.berkeley.edu

~R~

RAMRATTAN, L.B. (6C)
 REID, N. (4C, 6A, 6A) neil.reid@utoledo.edu
 RENNEN, R.N. (3F)
 REY, S.J. (3A, 4E) sergio.rey@asu.edu
 RICHARDSON, H.W. (1C, 1E, WB, 3D) hrichard@usc.edu
 RICKMAN, D.S. (4B, 5D)
 ROBERTS, B. (3E, 6A) spms@bigpond.com
 RODRÍGUEZ-GÁMEZ, L.I. (1B, 3A) lizrdgz@email.arizona.edu
 ROGERSON, P.A. (3A, 4E) rogerson@buffalo.edu
 ROSE, A. (2C) adamzros@sppd.usc.edu
 ROSS, P. (4C)
 RUGGIERE, P. (5A)
 RUTH, M. (2E, WB, 4D) mruth1@umd.edu
 RUTTEN, R. (1A, 2D) r.p.j.h.rutten@uvt.nl

~S~

SAKURAI, K. (3F, 4D) k-sakurai@ris.ac.jp
 SANDER, W. (1F, 2A) wsander@depaul.edu
 SCHAFFAR, A. (3D) alexandra.schaffar@univ-reunion.fr
 SEO, J.G. (1C, 2B) jgseo@incheon.ac.kr
 SHEARMUR, R. (3E, 4C, 5F) richard.shearmur@ucs.inrs.ca
 SHEN, Z. (3F, 4D, 4D) hiroshi@jrsai.envr.tsukuba.ac.jp
 SHIBUSAWA, H. (1E, 2C) hiro-shibu@tut.jp
 SHIM, Y. (2E)
 SIM, M. (1C)
 SMITH, B.W. (4C)

SORENSEN, T. (1A, 3B) tony.sorensen@une.edu.au
 SPIELMAN, S.E. (1F, 5D) seth.spielman@colorado.edu
 STEIGERWALD, D. (1B)
 STIMSON, R.J. (OS, WB, AL) r.stimson@mailbox.uq.edu.au
 STOBBE, T. (3F, 4D) tracy.stobbe@twu.ca
 STOUGH, R.R. (WB, 5A, 6A) rstough@gmu.edu
 STUEN, E.T. (4F)
 SUBRAMANIAN, S. (3A)
 SULTANA, S.S. (6E) nahid@kfupm.edu.sa
 SWEENEY, S. (1B, 4E) sweeney@geog.ucsb.edu
 SZENBERG, M. (5B, 6C) mszenberg@pace.edu
 SZIDAROVSKY, F. (3B)

~T~

TAKAHASHI, T. (4D)
 TAKATSUKA, H. (3B) takatsuka@gsm.kagawa-u.ac.jp
 TANO, S. (2A, 4B) sofia.tano@econ.umu.se
 TAYLOR, D.T. (1B, 2F) ttaylor@uwyo.edu
 TEITZ, M. (2G)
 TEMURSHOEV, U. (1E)
 TESTA, W. (1F)
 THILL, J.C. (1D, 2F, WB) jean-claude.thill@uncc.edu
 THOR, E. (1D, 2E) ethor@asu.edu
 TOMPKINS, G. (5B, 6C) gary.tompkins@uregina.ca
 TOVAR, E. (1C, 2B) eli_tovar@yahoo.fr
 TSAI, I. (5B, 6C) ijutsai@nuu.edu.tw

~U~

UCHIDA, S. (4D)
 UNO, K (5E, 6A) uno@tufs.ac.jp
 URATO, M. (3A)

~V~

VAN DIJK, D. (2A, 5D) jouke.van.dijk@rug.nl
 VAN LEEUWEN, E.S. (5E, 6A) eleeuwen@feweb.vu.nl
 VAN STEL, A. (2D)
 VAN WISSEN, L. (2A)
 VENHORST, V. (2A)

~W~

WALL, H.J. (5E, 6A) hjwall@gmail.com
 WANG, C. (1D)
 WANG, D.Y. (2E) darrenwang07@gmail.com
 WANG, Y. (5C, 5C) yimingwa@usc.edu
 WARRINER, W.R. (4B)
 WATERS, E.C. (2C)
 WATSON, L. (3A)
 WATSON, P. (5B)
 WEBB, M. (5C)
 WEINSTEIN, B. (1A, 2G) bweinstein@smu.edu
 WEISS, J. (6C)
 WEN, H. (4E)
 WENZ, M. (2F, 4F) m-wenz@neiu.edu
 WERTSCH, J. (1D)
 WESTERLUND, O. (4B, 4B, 6D) olle.westerlund@econ.umu.se
 WESTLUND, H. (WB, 3D, 4F) hanswes@infra.kth.se
 WILHELMSSON, M. (1A, 4C, 6A)
 mats.wilhelmsson@infra.kth.se
 WILLIAMSON, S. (2E)
 WILSON, M.I. (2D)
 WOBBEKIND, R. (1G, 1G, 3C) richard.wobbekind@colorado.edu
 WOLCOTT, J. (4F)
 WOODWARD, D. (2D, 3E) douglasp.woodward@gmail.com
 WRENN, D. (1B)

~X~

XIAO, Y. (2F, 4D) yuxiao@tamu.edu
XU, F. (4D)

~Y~

YANG, J. (2E)
YE, X. (1A) xinyue.ye@gmail.com

~Z~

ZHU, P. (5A, 6B) pengyuzh@usc.edu
ZIMMER, M. (6D)
ZUBAIRY, S. (1D)



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Two of the three coeditors, Euijune Kim and Janet Kohlhasse, are participating at the conference and will be happy to discuss potential submissions.

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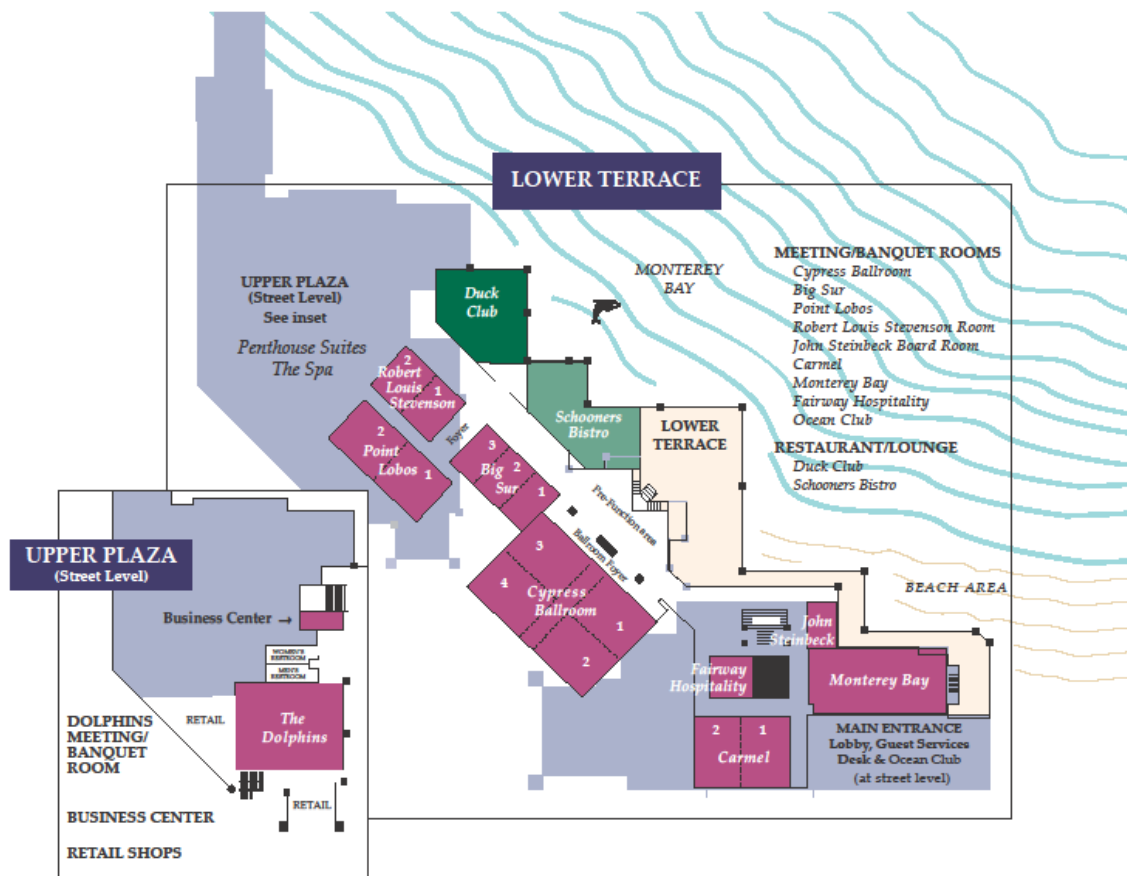
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