



Western Regional Science Association 49th Annual Meeting

**Hilton Sedona ~ Sedona, Arizona
February 21–24, 2010**

Welcome to Sedona, to Arizona's Red Rock Country, and to WRSA's Cosmic Convergence – our 49th Annual Meeting.

There may have been some changes since you last checked the Preliminary Program on the WRSA website. So please verify the timing as well as the locations of papers and sessions. The Program Participant Locator, on Pages 17–19, 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 15 contains important information about how the sessions will be conducted.

This year's Annual Meeting includes a number of special features. The Meeting will formally open on Sunday at 4:15 PM in the Canyon Ballroom, with a plenary talk about Arizona's economy.

The traditional Welcoming Reception will immediately follow. All registrants and those for whom a Banquet and Receptions ticket packet have been purchased may use their included BLUE ticket for a first drink from the bar. Beverages will, in addition, be available on a cash-bar basis. All accompanying persons are encouraged to attend the Opening Session and Welcoming Reception!

The Annual Banquet Luncheon is on Tuesday at 12:30 PM in the Tequa Ballroom (which is across the parking lot from the main hotel building). Bring your PINK ticket to be seated. Accompanying persons who are not paid registrants must have tickets to attend this event. The entrée will be chicken, so vegetarians – please let Lauren at the Registration Desk know by Sunday evening if you would like a meatless meal.

On Tuesday evening, beginning at 6:00 PM, Bob Stimson will host the annual President's Reception. All are welcome at this social function! Use the last of the tickets in your packet (the GOLD one) for a first drink. There will hors d'oeuvres (thanks to Bob!) and a cash bar for additional beverages.

Best wishes for a productive and stimulating conference, and a peaceful, relaxing time here in Sedona.



Sunday, February 21

2:00 – 6:30 PM, **Registration** (Canyon Foyer)

4:15 – 5:30 PM, **Plenary Opening Session**
(Canyon Ballroom)

5:30 – 7:00 PM, **Welcoming Reception** (Canyon Patio)

Sunday, 4:15 – 5:30 PM
Plenary Opening Session
Canyon Ballroom

Chair: David HOLLAND,
50th WRSA President (2009–2010)

“Arizona's economy and the long road to recovery”

Lee McPHETERS
Arizona State Univ., Tempe, USA



Sunday, 5:30 – 7:00 PM
Welcoming Reception
Canyon Patio

*The Opening Session and the Welcoming Reception are open
to all accompanying persons as well as registrants.*

Everyone Welcome!

WRSA Internet Café: Canyon Ballroom B

Coffee will be available each morning from 7:00 AM through the morning session break from 9:30 to 10:00. To access the free wireless for conference participants in Canyon Ballroom B (our exhibit area) login with username **WRSA** and password **Science321**. Sit at the tables, chat with colleagues and check your email.



Monday, February 22

7:00 – 10:00 AM, **Coffee Available** (Canyon Foyer)

7:00 AM – 5:45 PM, **Exhibits and Internet Café Open**
(Canyon Ballroom B)

7:15 AM – 12:15 PM (and 1:15–5:45 PM), **Registration**
(Canyon Foyer)

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

- 1A Papers in Honor of G. Mulligan, I (Canyon Ballroom A)
- 1B Hazards, Infrastructure, Recovery (Oak Creek Canyon A)
- 1C Urban Structure and Organization (Oak Creek Canyon B)
- 1D Industry Location, I (Ironwood Suite, Room 1052)
- 1E Economic Development, I (Oak Suite, Room 1054)
- 1F Western States Outlook (Juniper Suite, Room 1055)

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

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

12:15 – 1:30 PM, **Annals Editorial Board Meeting**
(By invitation only; Dry Creek Canyon B)

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

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

- 2A Round Table: Global Financial Crisis (Canyon Ballroom A)
- 2B Agricultural Analysis and Policy (Oak Creek Canyon A)
- 2C Industry Location, II (Oak Creek Canyon B)
- 2D Transportation, I (Ironwood Suite, Room 1052)
- 2E Economic Development, II (Oak Suite, Room 1054)
- 2F Fiscal Issues (Juniper Suite, Room 1055)

3:00 – 3:30 PM, **Coffee Break** (Canyon Foyer/Ballroom B)

3:30 – 5:00 PM, **WRSA Board Meeting**
(By invitation only; Dry Creek Canyon B)

7:00 PM, **Dinner in Honor of Gordon Mulligan**
(Cucina Rústica Restaurant; Advance reservations and prepayment required.)



Monday, 8:00 – 11:30 AM

Paper Session 1A ~ Canyon Ballroom A **Papers in Honor of Gordon Mulligan, I**

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

8:00–8:45

Gordon Mulligan: A literature review

John I. CARRUTHERS, U.S. Department of Housing and Urban
Development, Washington, DC, and Alexander C. VIAS, Univ.
Connecticut, Storrs, USA

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

8:45–9:30

“Life is short, art is long”: From Bohemian graduates to the creative class

Maria ABREU, Univ. Groningen, Roberta COMUNIAN, Univ.
Southampton, Alessandra FAGGIAN, Univ. Southampton, UK,
and Philip McCANN, Univ. Groningen, The Netherlands
Discussant: Mark D. PARTRIDGE, The Ohio State Univ.,
Columbus, USA

9:30–10:00, **Coffee Break**

10:00–10:45

Political and public acceptability of congestion pricing: Ideology and self interest

Björn HÅRSMAN, Royal Institute of Technology, Stockholm,
Sweden and John M. QUIGLEY, Univ. California, Berkeley, USA
Discussant: Andrew HAUGHWOUT, Federal Reserve Bank
of New York, USA

10:45–11:30

Analysing quality of urban life

Robert STIMSON and Rod McCREA, Univ. Queensland,
Brisbane, Australia, and Robert MARANS, Univ. Michigan, Ann
Arbor

Discussant: Alexander C. VIAS, Univ. Connecticut, Storrs,
USA



Monday, 8:45 – 11:30 AM

Paper Session 1B ~ Oak Creek Canyon A **Hazards, Infrastructure, and Recovery**

Chair: Alexandra SCHAFFAR, Univ. La Réunion,
Saint-Denis, France

8:45–9:30

Estimating the effects of highway infrastructure failure on freight flows for the U.S. highway network

Qisheng PAN, Texas Southern Univ., Houston, Peter GORDON,
James E. MOORE and Harry RICHARDSON, Univ. Southern
California, JiYoung PARK, State Univ. New York, Buffalo,
Joongkoo CHO, SooHyun CHO, Sung-Ho RYU and Eunha JUN,
Univ. Southern California, Los Angeles, USA

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

9:30–10:00, **Coffee Break**

10:00–10:45

Hurricanes and the Louisiana state economy

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

Discussant: Larry V. ST. LOUIS, Univ. Saskatchewan,
Saskatoon, Canada

10:45–11:30

Test of information and hypothetical bias in CVM: Case study of urban restoration project in Seoul

Brian H.S. KIM, Seoul National Univ., Woo-Young CHO, Korea
Environment Institute, and Minsu SON, Yonsei Univ., Seoul,
Korea

Discussant: Colleen DONOVAN, Univ. California, Berkeley,
USA





Monday, 8:00 AM – 12:15 PM
Paper Session 1C ~ Oak Creek Canyon B
Urban Structure and Organization

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

8:00–8:45

An empirical analysis of the innovation and diffusion of deregulation

Junya FUKUMOTO, Tohoku Univ., Sendai City, Japan

Discussant: Waldo TOBLER, Univ. California, Santa Barbara, USA

8:45–9:30

Employment center hierarchy & function:

The manifestation of agglomeration in the Los Angeles metropolitan area

Genevieve GIULIANO and Christian L. REDFEARN, Univ. Southern California, Los Angeles, USA

Discussant: Myung-Jin JUN, Chung-An Univ., Seoul, Korea

9:30–10:00, Coffee Break

10:00–10:45

Ubiquitous geographic information

Tschangho John KIM, Univ. Illinois, Urbana-Champaign, and Sung-Gheel JANG, Cleveland State Univ., OH, USA

Discussant: Sungyop KIM, Univ. Missouri, Kansas City, USA

10:45–11:30

Urban structure and economic growth

Peter GORDON and Harry W. RICHARDSON, Univ. Southern California, Los Angeles, USA

Discussant: Michel DIMOU, Univ. La Réunion, Saint-Denis, France

11:30–12:15

The analysis of the effect of population dispersion on the Seoul metropolitan area on regional economies: A case of development of multifunctional administrative city

ChangKeun LEE, Yujin BAE, and Euijune KIM, Seoul National Univ., Korea

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



Monday, 8:00 – 11:30 AM
Paper Session 1D ~ Ironwood Suite, Room 1052
Industry Location, I

Chair: Antoine BAILLY, Univ. Genève, Switzerland

8:00–8:45

Export behavior of firms in urban and rural regions

Sara JOHANSSON and Lars PETTERSSON, Jönköping International Business School and the Swedish Board of Agriculture, Stockholm

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

8:45–9:30

Agglomeration within an urban area

Stephen BILLINGS, Univ. North Carolina, Charlotte, and Erik JOHNSON, Quinnipiac University, Hamden, CT, USA

Discussant: Börje JOHANSSON, Jönköping International Business School and Royal Institute of Technology, Stockholm, Sweden

9:30–10:00, Coffee Break

10:00–10:45

Agglomeration and productivity: Evidence from firm-level data
 Martin ANDERSSON, Royal Institute of Technology and Jönköping International Business School, and Hans LÖÖF, Royal Institute of Technology, Stockholm, Sweden

Discussant: Brian P. HOLLY, U.S. Census Bureau, Suitland, MD, USA

10:45–11:30

Trading cultural goods in the era of digital piracy

Stefania LIONETTI, Univ. Lugano, and Roberto PATUELLI, Univ. Lugano, Switzerland, and The Rimini Centre for Economic Analysis, Italy

Discussant: Giang T. NGO, Univ. Texas, Dallas, USA



Monday, 8:00 – 11:30 AM
Paper Session 1E ~ Oak Suite, Room 1054
Economic Development, I

Chair: Lay J. GIBSON, Univ. Arizona, Tucson, USA

8:00–8:45

Attributes influencing enterprise propensity in urban and rural Sweden

Kent ELIASSON, Swedish Agency for Growth Policy and Analysis, Östersund, and Umeå Univ., and Hans WESTLUND, Royal Institute of Technology, Stockholm, and Jönköping International Business School, Sweden

Discussant: Scott N. LIESKE, Univ. Sunshine Coast, Sippy Downs, QLD, Australia

8:45–9:30

Social capital and economic growth: A cross-country investigation

Soogwan DOH, George Mason Univ., Fairfax, VA, USA

Discussant: Alina M. POPESCU-SCHOENBERG, Univ. Bundeswehr Munich, Neubiberg, Germany

9:30–10:00, Coffee Break

10:00–10:45

Does the business cycle matter for convergence testing?

Evidence from US commuting zone level data

Chenxi YU, Univ. Illinois, Urbana-Champaign, USA

Discussant: Florence BOUVET, Univ. Sonoma, Rohnert Park, CA, USA

10:45–11:30

What brings the on-location filming activities to local economies: quasi-experimental approach

Junpyo HONG and J. Matthew FANNIN, Louisiana State Univ., Baton Rouge, USA

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

Monday Morning Program continues on Page 4...





Monday, 8:00 AM – 12:15 PM
Session 1F ~ Juniper Suite, Room 1055
Western States Economic Outlook
(Cosponsored by AUBER)

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

Western States Overview

Lee McPHERTERS, Arizona State Univ., Tempe, USA

Arizona

Marshall VEST, Univ. Arizona, Tucson, USA

Colorado

Richard WOBBEKIND, Univ. Colorado, Boulder, USA

9:30–10:00, Coffee Break

Montana

Paul POLZIN, Univ. Montana, Missoula, USA

Nebraska

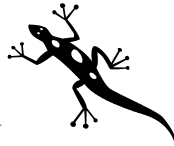
Eric THOMPSON, Univ. Nebraska, Lincoln, USA

Nevada

Mary RIDDEL, Univ. Nevada, Las Vegas, USA

Washington

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



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

Monday, 12:15 – 1:30 PM
Annals of Regional Science, Editorial Board
Meeting ~ Dry Creek Canyon B
 (By invitation only)

Convenors: Barbara FESS, Springer Publishing; Börje JOHANSSON, Euijune KIM, and Roger STOUGH, Co-Editors



Submitting Papers to:
The Annals of Regional Science

Annual Meeting participants are cordially invited to submit their papers to WRSA's official journal, *The Annals of Regional Science*.

All three coeditors, Roger R. Stough, Börje Johansson, and Euijune Kim, are participating at the conference and will be happy to discuss potential submissions.

Springer Editor, Barbara Fess, will be available in the Exhibits Area in Canyon Ballroom B throughout the conference.



Monday, 1:30 – 3:00 PM
Round Table Session 2A ~ Canyon Ballroom A
The Global Financial Crisis:
Regional Implications and Responses

Co-Chairs: Antoine BAILLY, Univ. Genève, Switzerland, and Lay J. GIBSON, Univ. Arizona, Tucson, USA

The panel will consider the usefulness of Regional Science in dealing with the world economic and financial crisis and its impacts on regional development.

- *What have been the regional impacts of the crisis in different countries, such as Australia, France, Switzerland, and the USA?*
- *To what extent have public policy responses had explicit regional components or foci?*
- *Has regional science analysis been used to enhance public policy responses and, especially, to promote regional innovation, creativity and development in the responses?*

These questions will be raised at the round table by each of the panel members to highlight what has happened in their countries and what they think should have been done to improve responses to the global financial crisis.

Panelists:

Antoine BAILLY, Univ. Genève, Switzerland,
 Lay J. GIBSON, Univ. Arizona, Tucson, USA
 Kingsley E. HAYNES, George Mason Univ., Fairfax, VA, USA
 Claude LACOUR, Univ. Montesquieu-Bordeaux IV, France
 Sylvette PUISSANT, Univ. Montesquieu-Bordeaux IV, France
 Robert STIMSON, Univ. Queensland, Brisbane, Australia
 Bernard WEINSTEIN, Southern Methodist Univ.,
 Dallas, TX, USA



Monday, 1:30 – 5:00 PM
Paper Session 2B ~ Oak Creek Canyon A
Agricultural Analysis and Policy

Chair: Douglas E. MORRIS, Univ. New Hampshire, Durham, USA
1:30–2:15

The effects of urban development pressure on agricultural land price in Korea: Application of a geographically weighted regression model

Miyoun KIM, Seoul National Univ., and DeokHo CHO, DaeGu Univ., Korea

Discussant: Kent ELIASSON, Swedish Agency for Growth Policy Analysis, Östersund, and Umeå Univ., Sweden
2:15–3:00

The competitiveness of Hawaii's agricultural exports to Japan

Hazel PARCON and Run YU, Univ. Hawaii, Manoa, Matthew LOKE, Hawaii Department of Agriculture, Honolulu, and PingSun LEUNG, Univ. Hawaii, Manoa, USA

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

3:00–3:30, Coffee Break

3:30–4:15

Farmland preservation verdicts: Rezoning agricultural land in British Columbia

Tracy STOBBE, Trinity Western Univ., Langley, BC, Canada
 Discussant: Junpyo HONG, Louisiana State Univ., Baton Rouge, USA

4:15–5:00

Gender mediation and outreach issues for national, regional, and local governments in the western region

Eric P. THOR, Pratibha BONITA, and Abbe SLADE, Arizona State Univ., Tempe, USA
 Discussant: Douglas E. MORRIS, Univ. New Hampshire, Durham, USA



Monday, 1:30 – 5:00 PM

**Paper Session 2C ~ Oak Creek Canyon B
Industry Location, II**

Chair: Martin ANDERSSON, Royal Institute of Technology and Jönköping International Business School, Sweden

1:30–2:15

Endogenous growth theory in motion: Emergence and development dynamics in the U.S. biotechnology sector

Giang T. NGO and Donald A. HICKS, Univ. Texas, Dallas, USA
 Discussant: Erik JOHNSON, Univ. North Carolina, Charlotte, USA

2:15–3:00

Market potential and start-up size

Johan KLAESSON, Jönköping International Business School, Sweden

Discussant: Sylvain BARDE, OFCE/DRIC, Sophia-Antipolis, France

3:00–3:30, Coffee Break

3:30–4:15

The effect of trade on regional distribution in Mexico

Rafael GARDUÑO-RIVERA, Univ. Illinois, Urbana-Champaign, USA

Discussant: Haifeng QIAN, George Mason Univ., Fairfax, VA, USA

4:15–5:00

MNF affiliates: Knowledge spillover agents?

Martin ANDERSSON, Urban GRÅSJÖ and Charlie KARLSSON, Centre of Excellence for Science and Innovation Studies, Stockholm, HV Skola, and Jönköping International Business School, Jönköping, Sweden

Discussant: Stephen BILLINGS, Univ. North Carolina, Chapel Hill, USA



Monday, 1:30 – 5:45 PM

**Paper Session 2D ~ Ironwood Suite, Room 1052
Transportation I**

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

1:30–2:15

Inclusionary zoning and the development of urban land

Alastair McFARLANE, U.S. Department of Housing and Urban Development, Washington, DC, USA

Discussant: John QUIGLEY, Univ. California, Berkeley, USA

2:15–3:00

A new spatial model for travel time estimation

Daoqin TONG and Wei-Hua LIN, Univ. Arizona, Tucson, USA
 Discussant: Genevieve GIULIANO, Univ. Southern California, Los Angeles, USA

3:00–3:30, Coffee Break

3:30–4:15

Rider loyalty and satisfaction with light-rail transit: Evidence from St. Louis MetroLink, Missouri and Illinois

Sungyop KIM, Univ. Missouri, Kansas City, USA, and Gudmundur F. ULFARSSON, Univ. Iceland, Reykjavik
 Discussant: Ajay AGARWAL, Queens Univ., Kingston, ON, Canada

4:15–5:00

The failure of the magnetic train project Munich: The lost economic and fiscal effects

Peter FRIEDRICH, Univ. Tartu, Estonia, Alina POPESCU-SCHOENBERG and Heinrich Günter WONNEMANN, Univ. Bundeswehr Munich, Neubiberg, Germany

Discussant: Kimberly VACHAL, North Dakota State Univ., Fargo, USA

5:00–5:45

Smart growth policies and automobile dependence: Lessons from a comparative study between Seoul, Korea and Portland, USA

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

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



Monday, 1:30 – 5:00 PM

**Paper Session 2E ~ Oak Suite, Room 1054
Economic Development, II**

Chair: Hans LÖÖF, Royal Institute of Technology, Stockholm, Sweden

1:30–2:15

Inflation in the Caribbean: How well does the quantity theory of money explain it?

Moses C.V. POLOGNE, Univ. Texas, Arlington, Lorenzo BLANCO-GONZÁLEZ, Univ. Autónoma Nuevo León, Monterrey, México, and Timothy FORD, Univ. Texas, El Paso, USA

Discussant: Stein ØSTBYE, Tromsø, Norway

2:15–3:00

Location patterns and industrial growth in México, 1993–2006

Jesús A. TREVIÑO C., Univ. Autónoma de Nuevo León, Ardeshir ANJOMANI, Univ. Texas, Arlington, USA, and Aída ESCOBAR, Univ. Autónoma de Nuevo León, Monterrey, México

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

3:00–3:30, Coffee Break

3:30–4:15

Rank-size dynamics in China and India: 1981–2004

Alexandra SCHAFFAR and Michel DIMOU, Univ. La Réunion, Saint-Denis, France

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

4:15–5:00

The impact of international trade flows on the growth of Brazilian states

Marie DAUMAL, Univ. Paris, and Selin OZYURT, Univ. Paris-Dauphine, Paris, France

Discussant: Sara JOHANSSON, Jönköping International Business School, Sweden



Monday, 1:30 – 5:45 PM

Paper Session 2F ~ Juniper Suite, Room 1055

Fiscal Issues

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

1:30–2:15

Direct democracy, term limits, and fiscal decisions in U.S.

Municipalities

Colleen DONOVAN, Univ. California, Berkeley, USA

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

2:15–3:00

Property taxation, education finance reform, and tax base growth

Mark SKIDMORE, Laura REESE, and Sung Hoon KANG,

Michigan State Univ., East Lansing, USA

Discussant: Marshall VEST, Univ. Arizona, Tucson, USA

3:00–3:30, *Coffee Break*

3:30–4:15

Cities and suburbs: Expenditure patterns in the urban fiscal system

Steven G. CRAIG and Janet E. KOHLHASE, Univ. Houston, TX,

D. Andrew AUSTIN, Congressional Research Service, and

Stephanie BOTELLO, EmployStats, USA

Discussant: Peter GORDON, Univ. Southern California, Los Angeles, USA

4:15–5:00

A spatially determined production function to model the fiscal impacts of community development

Scott N. LIESKE, Univ. Sunshine Coast, Sippy Downs, QLD,

Australia, Donald M. McLEOD and Roger COUPAL, Univ.

Wyoming, Laramie, USA

Discussant: Lena Catharina BIRKELOF, Umeå Univ., Sweden

5:00–5:45

Managing prosperity: Saskatchewan's fiscal and economic challenges

Gary TOMPKINS, Univ. Regina, SK, Canada

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



Monday, 3:30 – 5:00 PM

WRSA Board Meeting ~ Dry Creek Canyon B

(By invitation only)

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

Our Conference Venue:

Hilton Sedona Golf Resort & Spa
90 Ridge Trail Drive
Sedona, Arizona 86351 USA

Phone: (928) 284–4040

Fax: (928) 284–6940



Tuesday, February 23

7:00 – 10:00 AM, *Coffee Available* (Canyon Foyer)

7:00 AM – 5:45 PM, **Exhibits and Internet Café Open**
(Canyon Ballroom B)

7:45 AM – 12:15 PM (and 2:15–5:45 PM), **Registration**
(Canyon Foyer)

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

3A Industry Location, III (Canyon Ballroom A)

3B Housing and Urban Land Use, I (Oak Creek Canyon A)

3C Demographic Studies (Oak Creek Canyon B)

3D Papers in Honor of G. Mulligan, II (Ironwood Suite, 1052)

3E Frontiers in CGE and IO (Oak Suite, Room 1054)

3F Remote Regions, I (Juniper Suite, Room 1055)

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

12:30 – 2:15 PM, **Annual Banquet Luncheon** (Tequa Ballroom – across the parking lot from main hotel building)

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

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

4A Remote Regions, II (Canyon Ballroom A)

4B Job Stimulation and the ARRA (Oak Creek Canyon A)

4C Transportation, II (Oak Creek Canyon B)

4D Human Capital (Ironwood Suite, Room 1052)

4E Papers in Honor of Gordon Mulligan, III (Oak Suite, 1054)

4F Spatial Statistical Modeling, I (Juniper Suite, Room 1055)

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

6:00 – 7:30 PM, **President's Reception** (Tequa Ballroom)



Tuesday, 8:00 – 11:30 AM

Paper Session 3A ~ Canyon Ballroom A

Industry Location, III

Chair: Brian P. HOLLY, U.S. Census Bureau, Suitland, MD, USA
8:00–8:45

The non-linear relationship between market potential and business service dynamics

Börje JOHANSSON, Jönköping International Business School and

Royal Institute of Technology, Stockholm, and Johan

KLAESSON, Jönköping International Business School, Sweden

Discussant: Marie DAUMAL, Univ. Paris, France

8:45–9:30

Microfoundations for knowledge spillovers in spatial equilibrium models

Sylvain BARDE, OFCE/DRIC, Sophia-Antipolis, France, and

Stein ØSTBYE, Univ. Tromsø, Norway

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

9:30–10:00, *Coffee Break*

10:00–10:45

Incubation push or business pull? Investigating the geography of U.S. business incubators

Haifeng QIAN and Kingsley E. HAYNES, George Mason Univ., Fairfax, VA, USA

Discussant: Johan KLAESSON, Jököping International Business School, Sweden

10:45–11:30

Creation of spin-off entrepreneurs: Case of Bilkent Cyberpark

Neslihan AYDOĞAN-DUDA, İzmir Univ. of Economics, Balçova-İzmir, and İrge ŞENER, Çankaya University, Balgat, Ankara, Turkey

Discussant: Rafael GARDUÑO-RIVERA, Univ. Illinois, Urbana-Champaign, USA



**Paper Session 3B ~ Oak Creek Canyon A
Housing and Urban Land Use, I**

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

8:00–8:45

Willingness to pay for sustainable housing

Svante MANDELL, VTI, and Mats WILHELMSSON, Royal Institute of Technology, Stockholm, Sweden

Discussant: Jun-Hyung KIM, Seoul National Univ., Korea

8:45–9:30

The effect of foreclosures on owner-occupied housing prices: Supply or dis-amenity?

Daniel A. HARTLEY, Univ. California, Berkeley, USA

Discussant: Hanna LARSSON, Jönköping Univ., Sweden

9:30–10:00, Coffee Break

10:00–10:45

Modeling aggregated new housing supply for the Portland metropolitan area

Hongwei DONG and John GLIEBE Portland State Univ., OR, USA

Discussant: Christian L. REDFEARN, Univ. Southern California, Los Angeles, USA

10:45–11:30

House price impacts of racial, income, education, and age neighborhood spatial concentration

Andres JAUREGUI, Columbus State Univ., GA, Diane HITE, Auburn Univ., AL, and David M. BRASINGTON, Univ. Cincinnati, OH, USA

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

11:30–12:15

Cultural landscape characteristics and heritage values: A spatially explicit hedonic approach

Pia NILSSON, Jönköping International Business School, Sweden

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

*A photo from the Association's archives...
Past Presidents John Quigley, Roger Stough and
Juanita Liu were among the participants enjoying
the Annual Banquet Luncheon the last time
we met in Arizona – in Rio Rico in 2003.*



**Paper Session 3C ~ Oak Creek Canyon B
Demographic Studies**

Chair: Jack W. OSMAN, San Francisco State Univ., CA, USA
8:00–8:45

Decomposing the entropy index of racial diversity: In search of two types of variance

Yiming WANG, Cardiff Univ., Wales

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

8:45–9:30

Do local public expenditures for functionally impaired crowd out other local public expenditures?

Lena Catharina BIRKELÖF, Umeå Univ., Sweden

Discussant: ChangKeun LEE, Seoul National Univ., Korea

9:30–10:00, Coffee Break

10:00–10:45

Voters on the move: The political effectiveness of migration and its effects on state partisan composition

Jason R. JURJEVICH and David A. PLANE, Univ. Arizona, Tucson, USA

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

10:45–11:30

The regional distribution of public goods: The case of non-parental child care in Quebec

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

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

Tuesday Morning Program continues on Page 8...

WRSA Annual Meetings Held in Arizona...

- 3rd ~ Student Union, Arizona State Univ., Tempe, 1964
- 16th ~ Doubletree Inn, Tucson, 1977
- 33rd ~ Westward Look Resort, Tucson, 1994
- 42nd ~ Rio Rico Resort, Rio Rico, 2003
- 49th ~ Hilton Sedona, Sedona, 2010





Tuesday, 8:00 – 11:30 AM

Paper Session 3D ~ Ironwood Suite, Room 1052

Papers in Honor of Gordon Mulligan, II

Chair: Ross MacKINNON, Univ. Connecticut, Storrs, USA

8:00–8:45

International immigration and domestic out-migrants: Are domestic migrants moving to new jobs or away from immigrants?

Kamar ALI, Univ. Lethbridge, AB, Canada, Mark D.

PARTRIDGE, The Ohio State Univ., Columbus, and Dan S.

RICKMAN, Oklahoma State Univ., Stillwater, USA

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

8:45–9:30

Analyzing student diversity at public universities in the United States: A regional approach

Rachel S. FRANKLIN, Univ. Maryland, College Park, USA

Discussant: Alessandra FAGGIAN, Univ. Southampton, U.K.

9:30–10:00, Coffee Break

10:00–10:45

An exploratory analysis of neighborliness in public and private neighborhoods

Sonya M. GLAVAC, Univ. New England, Armidale, NSW,

Australia, and Andrew KIRBY, Arizona State Univ., Glendale,

USA

Discussant: Ralph McLAUGHLIN, Univ. Southern Australia, Adelaide

10:45–11:30

The location decisions of U.S. credit unions

Steven DELLER and Reka SUNDARAM-STUKEL, Univ.

Wisconsin, Madison, USA

Discussant: Wilner JEANTY, The Ohio State Univ., Columbus, USA



Tuesday, 8:45 AM – 12:15 PM

Paper Session 3E ~ Oak Suite, Room 1054

Frontiers in CGE and IO Modeling

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

8:45–9:30

The economic impact of saltwater sportfishing harvest restrictions in Alaska: An empirical analysis of non-resident anglers

Daniel K. LEW, Alaska Fisheries Science Center and Univ.

California, Davis, and Chang K. SEUNG, Alaska Fisheries Science Center, Seattle, WA, USA

Discussant: Max MUNDAY, Cardiff Univ., Wales

9:30–10:00, Coffee Break

10:00–10:45

An interregional input-output analysis of the pollution content of trade flows and environmental trade balances

Soo Jung HA, Univ. Strathclyde, Scotland, Geoffrey J.D.

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

TURNER, Univ. Strathclyde, Scotland

Discussant: David HOLLAND, Washington State Univ., Pullman, USA

10:45–11:30

A rectangular approach to the Leontief and Ghoshian price and quantity models

Donald A. GILCHRIST and Larry V. ST. LOUIS, Univ.

Saskatchewan, Saskatoon, Canada

Discussant: Karen TURNER, Univ. Strathclyde, Scotland

11:30–12:15

Initial applications of procedures to estimate the economic impacts of alternative agricultural production practices in the Walker River Basin

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

Discussant: Daniel K. LEW, Alaska Fisheries Science Center and Univ. California, Davis, USA



Tuesday, 8:00 – 11:30 AM

Paper Session 3F ~ Juniper Suite, Room 1055

Remote Regions, I

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

8:00–8:45

Sámi entrepreneurship arising from reindeer in the Jokkmokk area of Northern Sweden

Aldene MEIS MASON, Univ. Regina, Leo Paul DANA, Univ.

Canterbury, Christchurch, New Zealand, Robert ANDERSON,

Univ. Regina, SK, Canada

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

8:45–9:30

Indigenous people and the extractive industry in Russia: A case of Eastern Siberia–Pacific Ocean oil pipeline

Natalia YAKOVLEVA, ESRC Research Centre for Business

Relationships, Accountability, Sustainability, and Society, UK

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

9:30–10:00, Coffee Break

10:00–10:45

Importing natural gas to Alaska: Regional realism in the global marketplace

Greg PROTASEL, Univ. Alaska, Anchorage, USA

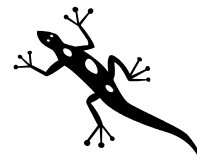
Discussant: Olle WESTERLUND, Umeå Univ., Sweden

10:45–11:30

The high north in a change: Geopolitical point of view

Lassi HEININEN, Univ. Lapland, Rovaniemi, Finland

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



Winners of the Charles M. Tiebout Prize in Regional Science, 1987–2009

This is the 24th consecutive Annual Meeting at which the Charles M. Tiebout Prize will be presented. The Prize 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 Charlie Tiebout 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.

- 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 Annual Banquet Luncheon Canyon Ballroom

(For all registered and paid participants; tickets required.)

Chair: David HOLLAND, 50th WRSA President (2009–2010)

Announcements:

David A. PLANE, WRSA Executive Secretary

The 13th Annual Springer Prize

Presented by:

Börje JOHANSSON, Euijune KIM, and
 Roger R. STOUGH, Coeditors, *Annals of Regional Science*,
 and Barbara FESS, Springer Publishers

The 24th Charles M. Tiebout Prize

Presented by:

Geoffrey J. D. HEWINGS, 48th WRSA President (2007–2008)
 and Chair, 2009–2010 Reading Committee

Presidential Address: And now for something different: Modelling socio-political landscapes

Robert J. STIMSON, 51st WRSA President (2010–2011)

Discussant:

Kingsley E. HAYNES, 32nd WRSA President (1991–1992)



Tuesday, 2:30 – 5:45 PM Paper Session 4A ~ Canyon Ballroom A Remote Regions, II: Migration

Chair: Greg PROTASEL, Univ. Alaska, Anchorage, USA
 2:30–3:15

Migration and communities: Understanding who stays and why
 Stephanie MARTIN, Univ. Alaska, Anchorage, USA

Discussant: Natalia YAKOVLEVA, ERSC Research Centre
 for Business Relationships, Accountability, Sustainability, and
 Society, UK

3:15–4:00

*Geographical mobility in Sweden: Does the influence of labour
 market related factors diminish over time?*

Olle WESTERLUND, Umeå Univ., and Kent ELIASSON, Umeå
 Univ. and Swedish Agency for Growth Policy Analysis

Discussant: Greg PROTASEL, Univ. Alaska, Anchorage, USA
 4:00–4:15, Coffee Break

4:15–5:00

*Migration and settlement patterns among young people and
 families in Swedish rural and urban areas*

Mats JOHANSSON, Royal Institute of Technology, Stockholm,
 Sweden

Discussant: Yiming WANG, Cardiff Univ., Wales

5:00–5:45

*The role of market and traditional earnings in determining the
 pattern of migration in Arctic Alaska*

Lee HUSKEY, Univ. Alaska, Anchorage, USA

Discussant: Lassi HEININEN, Univ. Lapland, Rovaniemi,
 Finland



Tuesday, 2:30 – 5:00 PM
Paper Session 4B ~ Oak Creek Canyon A
Job Stimulation and the
American Recovery and Reinvestment Act

Chair: Warren GILL, Simon Fraser Univ.,
 Vancouver, B.C., Canada

2:30–3:15

Comparing EU and US regional growth patterns and policies:
Guidance for the Presidential Stimulus Package

Sandy DALL'ERBA, Univ. Arizona, Tucson, USA
 Discussant: Mark PARTRIDGE, The Ohio State Univ.,
 Columbus, USA

3:15–4:00

The effects of declining job finding rates on insured
unemployment

Jamie R. HAAG, Pacific Univ., Forest Grove, OR, USA
 Discussant: Mark SKIDMORE, Michigan State Univ., East
 Lansing, USA

4:00–4:15, *Coffee Break*

4:15–5:00

Unemployment with discouraged labor force participation facing
economic crisis: Explanatory spatial data analysis among US
states

Jaewon LIM, Univ. Arizona, Tucson, USA
 Discussant: Douglas N. JONES, The Ohio State Univ.,
 Columbus, USA



Tuesday, 2:30 – 5:45 PM
Paper Session 4C ~ Oak Creek Canyon B
Transportation, II

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

2:30–3:15

Is public transit investment an effective growth management
strategy?

Genevieve GIULIANO, Univ. Southern California, Los Angeles,
 USA, and Ajay AGARWAL, Queen's Univ., Kingston, ON,
 Canada

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

3:15–4:00

Economic evolution along dynamic mega corridors: Role of
transport investments and structural change in knowledge
economy

T.R. LAKSHMANAN, William P. ANDERSON, Y. SONG, and
 D. LI, Boston Univ., MA, USA, and McMaster Univ., Hamilton,
 ON, Canada

Discussant: Peter FRIEDRICH, Univ. Tartu, Estonia

4:00–4:15, *Coffee Break*

4:15–5:00

Corridor location: The Multi-Gateway Model

Maria P. SCAPARRA and Richard L. CHURCH, Univ. California,
 Santa Barbara, USA

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

5:00–5:45

Seat belt use on North Dakota rural roads, 2009

Kimberly VACHAL, Donald MALCHOSE, Mark LOFGREN,
 Andrea HUSETH, and Laurel BENSON, North Dakota State
 Univ., Fargo, USA

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



Tuesday, 2:30 – 5:00 PM
Paper Session 4D ~ Ironwood Suite, Room 1052
Human Capital

Chair: Hans WESTLUND, Royal Institute, Stockholm, Sweden

2:30–3:15

Regional income distribution and human capital formation

Florian W. BARTHOLOMAE and Alina M. POPESCU-
 SCHOENBERG, Univ. Bundeswehr Munich, Neubiberg, Germany
 Discussant: David M. BRASINGTON, Univ. Cincinnati, OH,
 USA

3:15–4:00

Exploring the geography of educational segregation in Seoul,
Korea

Dong Hyun KIM, Sung Chul CHO, and Up LIM, Yonsei Univ.,
 Seoul, Korea

Discussant: Jason R. JURJEVICH, Univ. Arizona, Tucson,
 USA

4:00–4:15, *Coffee Break*

4:15–5:00

Smoke-free laws and employee wages

Nola OGUNRO and Ellen HAHN, Univ. Kentucky, Ric
 THOMPSON, Univ. Nebraska, Lincoln, and Aaron YELOWITZ,
 Univ. Kentucky, Lexington, USA

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



Tuesday, 2:30 – 5:45 PM
Paper Session 4E ~ Oak Suite, Room 1054
Papers in Honor of Gordon Mulligan, III

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

2:30–3:15

Measuring spatial dynamics in metropolitan areas

Sergio J. REY, Luc ANSELIN, and David C. FOLCH, Arizona
 State Univ., Daniel ARRIBAS-BEL, Univ. Zaragoza, Spain, and
 Myrna L. SASTRÉ-GUTIÉRREZ, Arizona State Univ., Tempe,
 USA

Discussant: J. Kim SWALES, Univ. Strathclyde, Glasgow,
 Scotland

3:15–4:00

Analytical methods for error propagation in planar space-time
prisms

Tetsuo KOBOYASHIL and Harvey J. MILLER, Univ. Utah, Salt
 Lake City, USA, and Walied OTHMAN, Hasselt Univ.,
 Diepenbeek, Belgium

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

4:00–4:15, *Coffee Break*

4:15–5:00

Exploring movement object patterns

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

Discussant: Harvey J. MILLER, Univ. Utah, Salt Lake City,
USA

5:00–5:45

Coordination and equilibrium selection in games with positive network effects

Alexander M. JAKOBSEN, Univ. British Columbia, Vancouver,
B.C., B. Curtis EATON and David KRAUSE, Univ. Calgary, AB,
Canada

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



Tuesday, 2:30 – 5:45 PM

Paper Session 4F ~ Ironwood Suite, Room 1055

Spatial Statistical Modeling, I

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

2:30–3:15

Estimating spatially-explicit microdata by using data from small area statistics and public-use microdata: A new method

Nicholas N. NAGLE, Univ. Tennessee, Knoxville, USA, Barbara BUTTENFIELD and Stefan LEYK, Univ. Colorado, Boulder,
USA

Discussant: Chang K. SEUNG, National Marine Fisheries,
Seattle, WA, USA

3:15–4:00

Sex offenders and residential location: A predictive-analytical framework

Elizabeth A. MACK and Tony H. GRUBESIC, Indiana Univ.,
Bloomington, USA

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

4:00–4:15, Coffee Break

4:15–5:00

Identifying geographical widespread effect of land-use on housing values and population values: Evidence from a spatial GMM analysis

P. Wilner JEANTY, Mark PARTRIDGE, and Elena IRWIN, The
Ohio State Univ., Columbus, USA

Discussant: Xinyue YE, Bowling Green State Univ., OH,
USA

5:00–5:45

Filtering analysis of geographic movement tables

Waldo TOBLER, Univ. California, Santa Barbara, USA

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

WRSA Hosts Giant North American Meetings

November 18–21, 2009, WRSA hosted the 56th North American Meetings of the RSAI at the Grand Hyatt Hotel on Union Square in San Francisco. With 627 registrants, the conference qualified as the second largest regional science gathering ever held in North America – topped by only the 2008, 55th Meetings in Brooklyn. The final count included 367 North Americans and 260 from other continents. There were 140 student participants.

Serge Rey did a masterful job organizing the Program; Dave Plane was the Arrangements Chair. WRSA Fellow John Quigley served as NARSC's 2009 President. The S.F. Fed hosted a gracious conference party at the Bank headquarters.



The 51 WRSA Presidents

1 st	1960	William Golder
2 nd	1961	Morgan D. Thomas
3 rd	1962	James N. Tattersall
4 th	1963	William S. Peters
5 th	1964	John W. Dyckman
6 th	1965	Charles M. Tiebout
7 th	1966	Fred E. Case
8 th	1967	Paul F. Wendt
9 th	1968	Harold L. Buma
10 th	1969	Bernard Udis
11 th	1970	Edward L. Ullman
12 th	1971	Anthony H. Pascal
13 th	1972	Donald A. Watson
14 th	1973	Charles L. Leven
15 th	1974	Shelly Mark
16 th	1975	Frank G. Mittelbach
17 th	1976	Martin Beckmann
18 th	1977	Parzival Copes
19 th	1978	David Seymour
20 th	1979	Werner Hirsch
21 st	1980	Lee Attaway
22 nd	1981	Niles Hansen
23 rd	1982	Sol Rabin
24 th	1983	Robert Keyes
25 th	1984	Nina Gruen
26 th	1985	Jack Knetsch
27 th	1986	Gunter Schramm
28 th	1987	Bernard Malamud
29 th	1988	Harry W. Richardson
30 th	1989	Paul E. Polzin
31 st	1990	Michael J. Greenwood
32 nd	1991	Kingsley E. Haynes
33 rd	1992	Theodore Lane
34 th	1993	Richard L. Morrill
35 th	1994	John E. Keith
36 th	1995	Antoine S. Bailly
37 th	1996	Jon R. Miller
38 th	1997	Jack C. Stabler
39 th	1998	Lay James Gibson
40 th	1999	Arthur Getis
41 st	2000	John M. Quigley
42 nd	2001	Brenda Moscovice
43 rd	2002	Roger Stough
44 th	2003	Koichi Mera
45 th	2004	Juanita Liu
46 th	2005	Lee Huskey
47 th	2006	Jack W. Osman
48 th	2007	Geoffrey J. D. Hewings
49 th	2008	T. John Kim
50 th	2009	David W. Holland
51 st	2010	Robert J. Stimson



Wednesday, February 24

7:00 – 10:00 AM, *Coffee Available* (Canyon Foyer)

7:00 AM – 5:00 PM, *Exhibits and Internet Café Open*
(Canyon Ballroom B)

7:45 AM – 12:15 PM, *Registration*
(Continues, Canyon Foyer)

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

- 5A Spatial Statistical Modeling, II (Canyon Ballroom A)
- 5B Migration (Oak Creek Canyon A)
- 5C Papers in Honor of G. Mulligan, IV (Oak Creek Canyon B)
- 5D Housing & Urban Land Use, II (Ironwood Suite, 1052)
- 5E Environmental Sustainability (Oak Suite, Room 1054)

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

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

1:30 – 5:00 PM, *Concurrent Sessions:*

- 6A Environmental Sustainability, II (Canyon Ballroom A)
- 6B Papers in Honor of G. Mulligan, V (Oak Creek Canyon A)
- 6C Housing and Urban Land Use, III (Oak Creek Canyon B)
- 6D Spatial and Statistical Modeling, III (Ironwood Suite, 1052)
- 6E Labor Markets (Oak Suite, Room 1054)

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

(5:00 PM, *Conference ends*)



Wednesday, 8:00 – 11:30 AM Paper Session 5A ~ Canyon Ballroom A Spatial Statistical Modeling, II

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

8:00–8:45

Inter- vs. intraregional income inequality and voting behavior within federations

Florian W. BARTHOLOMAE and Alina M. POPESCU-SCHOENBERG, Univ. Bundeswehr Munich, Neubiberg, Germany

Discussant: Liz Ileana RODRÍGUEZ-GÁMEZ, Univ.

Arizona, Tucson, USA

8:45–9:30

A spatial-dependence continuous-time model for regional unemployment change in Germany

Johan H.L. OUD, Radboud Univ., Nijmegen, Henk FOLMER, Univ. Groningen and Univ. Wageningen, The Netherlands, Robert PATUELLI, Univ. Lugano, Switzerland, and Peter NIJKAMP, Free Univ., Amsterdam, The Netherlands

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

9:30–10:00, *Coffee Break*

10:00–10:45

Forecasting industry employment for a resource-based economy using Bayesian vector autoregressive models

Chang K. SEUNG, National Marine Fisheries Service, Seattle, WA, USA

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

10:45–11:30

Space-time empirics for economic growth

Xinyue YE and Sergio J. REY, Arizona State Univ., Tempe, USA

Discussant: Henk FOLMER, Univ. Groningen and Univ. Wageningen, The Netherlands



Wednesday, 8:00 – 11:30 AM Paper Session 5B ~ Oak Creek Canyon A Migration

Chair: Up LIM, Yonsei Univ., Korea

8:00–8:45

Spatial socioeconomic mobility in Mexico

Myrna L. SASTRÉ-GUTIÉRREZ and Sergio J. REY, Arizona State Univ., Tempe, USA

Discussant: Abby Shenbaum TRAIN, New Mexico State Univ., Las Cruces, USA

8:45–9:30

The returns to migration type, education, and social networks

Thomas A. KNAPP, Pennsylvania State Univ., Lehman, Nancy E. WHITE and Amy M. WOLAVER, Bucknell, Univ., Lewisburg, PA, USA

Discussant: Mikko MOILANEN, Univ. Tromsø and Northern Research Institute, Tromsø, Norway

9:30–10:00, *Coffee Break*

10:00–10:45

Migration and the transfer of non-earned income among Canadian seniors

Bruce NEWBOLD, McMaster Univ., Hamilton, ON, Canada

Discussant: Nancy E. WHITE, Bucknell Univ., Lewisburg, PA, USA

10:45–11:30

Urban to rural migration patterns and the creative class: A U.S. county-to-county study

Abby Shenbaum TRAIN, New Mexico State Univ., Las Cruces, USA

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

Thanks to the 2009 – 2010 Program Committee

David Plane, Chair

Sandy Dall'Erba, Daoqin Tong, and Lauren Fulton,
Co-chairs

Jaewon Lim
John Carruthers
Lee Huskey
Rich Wobbekind
Sylvette Puissant
Lay Gibson



Wednesday, 8:00 – 11:30 AM

**Paper Session 5C ~ Oak Creek Canyon B
Papers in Honor of Gordon Mulligan, IV**

Chair: Richard MORRILL, Univ. Washington, Seattle, USA
8:00–8:45

Did local land use regulations create the recession of 2007? A theoretical narrative

Ralph McLAUGHLIN, Univ. South Australia, Adelaide
Discussant: Alastair McFARLANE, U.S. Department of
Housing and Urban Development, Washington, DC, USA

8:45–9:30

The homeownership gap

Andrew HAUGHWOUT, Richard PEACH, and Joseph TRACY,
Federal Reserve Bank of New York, USA
Discussant: Rachel FRANKLIN, Univ. Maryland, College
Park, USA

9:30–10:00, Coffee Break

10:00–10:45

Defining urban and rural areas for the 2010 census: Current status of proposed criteria

Christopher J. HENRIE and Kevin HAWLEY, U.S. Census
Bureau, Suitland, MD, USA
Discussant: Richard MORRILL, Univ. Washington, Seattle

10:45–11:30

The American way of land use: A spatial hazard analysis of changes through time

John I. CARRUTHERS, U.S. Department of Housing and
Development, Selma LEWIS and Gerrit-Jan KNAAP, Univ.
Maryland, College Park, and Robert N. RENNER, U.S.
Department of Housing and Development, Washington
Discussant: Maureen KILKENNY, Univ. Nevada, Reno, USA



Wednesday, 8:00 AM – 12:15 PM

**Paper Session 5D ~ Ironwood Suite, Room 1052
Housing and Urban Land Use, II**

Chair: Jae-Ik KIM, Keimyung Univ., Daegu, Korea
8:00–8:45

A methodology to compute the regional housing price index using matching estimator methods

Dusan PAREDES ARAYA, Univ. Illinois Urbana-Champaign, USA
Discussant: Mats WILHELMSSON, Royal Institute of
Technology, Stockholm, Sweden

8:45–9:30

Do school ratings affect housing prices? The effects of 'No Child Left Behind'

Joseph C. VON NESSEN, Douglas WOODWARD, and Paulo
GUIMARÃES, Univ. South Carolina, Columbia, USA
Discussant: Pia NILSSON, Jönköping International Business
School, Sweden

9:30–10:00, Coffee Break

10:00–10:45

The dynamics of the metropolitan housing prices in the U.S.: Evidence of principal components and panel cointegration

Wei-Choun YU, Winona State Univ., Winona, MN, and Michael
WENZ, Northeastern Illinois Univ., Chicago, USA
Discussant: Michael CARROLL, Bowling Green State Univ.,
KY, USA

10:45–11:30

Characteristics of successful shopping centres

Hanna LARSSON, Jönköping Univ., Sweden
Discussant: Michael WENZ, Northeastern Illinois Univ.,
Chicago, USA

11:30–12:15

Loss aversion and household mobility in Korea

Jun-Hyung KIM, Seoul National Univ., and Alexander LEWIS,
Pantos Logistics, Korea
Discussant: Hongwei DONG, Portland State Univ., OR, USA



Wednesday, 8:00 AM – 12:15 PM

**Paper Session 5E ~ Oak Suite, Room 1054
Environmental Sustainability, I**

Chair: Euijune KIM, Seoul National Univ., Korea
8:00–8:45

Time dynamics and the introduction of new technologies within IO analysis

Christa D. JENSEN and Randall W. JACKSON, West Virginia
Univ., Morgantown, USA
Discussant: Andrew BLOHM, Univ. Maryland, College Park,
USA

8:45–9:30

Strategies for carbon dioxide emissions reductions: Residential natural gas efficiency, economic and ancillary health impacts in Maryland

Matthias RUTH, Andrew BLOHM, and Steven A. GABRIEL,
Univ. Maryland, Benjamin F. HOBBS, Johns Hopkins Univ.,
Darius IRANI, Towson Univ., Yihsu CHEN, Univ. California,
Merced, Joanna MAUER, Univ. Maryland, College Park, and
Vijay G. KESANA, Johns Hopkins Univ., Baltimore, MD, USA
Discussant: Christa D. JENSEN, West Virginia Univ.,
Morgantown, USA

9:30–10:00, Coffee Break

10:00–10:45

Assessing local refinery profitability and rising world oil prices

Makena COFFMAN, Univ. Hawaii, Manoa, USA
Discussant: Hodjat GHADIMI, West Virginia Univ.,
Morgantown, USA

10:45–11:30

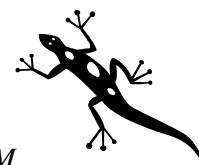
ArborCycles: Forecasting a growing renewable resource

Ron McCHESNEY, Three Scale Strategy LLC, Columbus, OH,
and Samantha FERRO, Orlando, FL, USA
Discussant: Eric THOR, Arizona State Univ. Tempe, USA

11:30–12:15

Urban form and greenhouse emissions

Simon CHOI and Sung Su YOON, Southern California
Association of Governments, Los Angeles, USA
Discussant: Ronald J. GUNDERSON, Northern Arizona
Univ., Flagstaff, USA



Wednesday, 12:15 – 1:30 PM

Lunch Break (On your own this day)



Wednesday, 1:30 – 5:00 PM

Paper Session 6A ~ Canyon Ballroom A

Environmental Sustainability, II

Chair: Henk FOLMER, Univ. Groningen and
Univ. Wageningen, The Netherlands

1:30–2:15

Sustainable economic development in energy rich economies: A regional approach

Hodjat GHADIMI, West Virginia Univ., Morgantown, USA
Discussant: Soo Jung HA, Univ. Strathclyde, Scotland

2:15–3:00

Who creates waste? Different perspectives on waste attribution in a regional economy

Christa D. JENSEN, West Virginia Univ., Morgantown, USA,
Stuart McINTYRE, Univ. Strathclyde, Max MUNDAY, Cardiff Univ., Wales, and Karen TURNER, Univ. Strathclyde, Glasgow, Scotland

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

3:00–3:30, Coffee Break

3:30–4:15

Envisioning a sustainable Maryland: Comparing alternative development scenarios considering energy consumption and water quality

Andrew BLOHM, Univ. Maryland, Nikhil KAZA, Univ. North Carolina, Chapel Hill, Jason BECKER, Matthias RUTH, and Gerrit KNAPP, Univ. Maryland, College Park, and Glenn MOGLEN, Virginia Technical Univ., Falls Church, USA

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

4:15–5:00

Capital structures matrix: A model for public access to project interpretation

Alexandria M. FRAWLEY, Coconino College, and Ronald J. GUNDERSON, Northern Arizona Univ., Flagstaff, USA

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



Wednesday, 1:30 – 5:00 PM

Paper Session 6B ~ Oak Creek Canyon A

Papers in Honor of Gordon Mulligan, V

Chair: Richard W. REEVES, Univ. Arizona, Tucson, USA

1:30–2:15

Rural roads versus African famines

Marie-Françoise CALMETTE, Univ. Toulouse, France, and Maureen KILKENNY, Univ. Nevada, Reno, USA

Discussant: Robert STIMSON, Univ. Queensland, Brisbane, Australia

2:15–3:00

Integrating the fragmented regional and sub-regional socio-economic forecasting: A spatial regional econometric input-output framework

Jae Hong KIM and Geoffrey J. D. HEWINGS, Univ. Illinois, Urbana-Champaign, USA

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

3:00–3:30, Coffee Break

3:30–4:15

The export base model with a supply-side stimulus to the export sector

Soo Jung HA and J. Kim SWALES, Univ. Strathclyde, Glasgow, Scotland

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

4:15–5:00

The nature of spatial effects: A paper in honor of Gordon Mulligan

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

Discussant: Sonya M. GLAVAC, Univ. New England, Armidale, NSW, Australia



Wednesday, 1:30 – 5:00 PM

Paper Session 6C ~ Oak Creek Canyon B

Housing and Urban Land Use, III

Chair: Sungyop KIM, Univ. Missouri, Kansas City, USA

1:30–2:15

Forecasting housing prices with Google econometrics: A demand oriented approach

Rajendra KULKARNI, Kingsley E. HAYNES, Roger STOUGH, and J. H. P. PAELINCK, George Mason Univ., Fairfax, VA, USA

Discussant: Dusan PAREDES ARAYA, Univ. Illinois, Urbana-Champaign, USA

2:15–3:00

The impact of crime on apartment prices: Evidence of Stockholm, Sweden

Vania CECCATO and Mats WILHELMSSON, Royal Institute of Technology, Stockholm, Sweden

Discussant: Daniel HARTLEY, Univ. California, Berkeley, USA

3:00–3:30, Coffee Break

3:30–4:15

Housing policy in geographic context: The American dream writ local

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

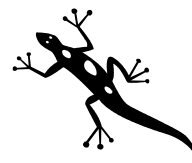
Discussant: Svante MANDELL, VTI, Stockholm, Sweden

4:15–5:00

The effect of urban containment policy on urban development pattern: The case of Daegu metropolitan areas, Korea

Jae Ik KIM, Keimyung Univ., Daegu, and Chang-Hwan YEO, Daegu Univ., Korea

Discussant: Phil RUDER, Pacific Univ., Forest Grove, OR, USA





Wednesday, 1:30 – 5:00 PM

Paper Session 6D ~ Ironwood Suite, Room 1052
Spatial Statistical Modeling, III

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

1:30–2:15

Spatial analysis of employment in a northwest Mexican city: A spatial econometric perspective in Hermosillo, Sonora (1999–2004)

Liz Ileana RODRÍGUEZ-GÁMEZ and Sandy DALL'ERBA, Univ. Arizona, Tucson, USA

Discussant: Elizabeth A. MACK, Indiana Univ.,
Bloomington, USA

2:15–3:00

All polycentricity is local: The spatial organization of employment and population in Barcelona and Los Angeles

Miquel-Angel GARCIA-LÓPEZ, Univ. Autònoma de Barcelona, Spain, and Christian L. REDFEARN, Univ. Southern California, Los Angeles, USA

Discussant: Elizabeth A. MACK, Indiana Univ.,
Bloomington, USA

3:00–3:30, *Coffee Break*

3:30–4:15

Exploratory space-time analysis of local economic development: Communities at risk

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

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

4:15–5:00

Managed care spillovers and the diffusion of endoscopic colorectal cancer screening technology in U.S. FSS Medicare markets

Lee MOBLEY, RTI International, Research Triangle Park, NC, and Luc ANSELIN, Arizona State Univ., Tempe, USA

Discussant: Stefania LIONETTI, Univ. Lugano, Switzerland



Wednesday, 1:30 – 4:15 PM

Paper Session 6E ~ Oak Suite, Room 1054
Labor Markets

Chair: Aidan VINING, Simon Fraser Univ.,
Vancouver, BC, Canada

1:30–2:15

No place like home? A study on the returns to staying among young adults

Mikko MOILANEN, Univ. Tromsø and Northern Research Institute, Tromsø, Norway

Discussant: Thomas A. KNAPP, Pennsylvania State Univ.,
Lehman, USA

2:15–3:00

Wage inequality among Chinese provinces, 1990–2007

Florence BOUVET, Sonoma State Univ., Rohnert Park, and Alyson C. MA, Univ. San Diego, CA, USA

Discussant: Florian W. BARTHOLOMAE, Univ. Bundeswehr Munich, Neubiberg, Germany

3:00–3:30, *Coffee Break*

3:30–4:15

Four migration catastrophes

Jeremiah ALLEN, Univ. Lethbridge, AB, Canada

Discussant: Jamie R. HAAG, Pacific Univ., Forest Grove, OR, USA



(5:00 PM, *Conferences ends*)



Notes on WRSA Session Format and Etiquette

- Per WRSA custom, each paper is allocated 45 minutes of Program time, inclusive of discussion.
- Authors should plan on presentations of approximately 25–30 minutes.
- Discussants should prepare about 5–10 minutes of remarks, allowing at least 10 minutes for questions from, and open discussion with, session attendees.
- Participants: Please arrive at your session 10 minutes early to make A/V preparations (i.e., load presentations onto a laptop).
- At least one of the participants needs to bring a laptop for use by presenters in the session.
- Chairs: Please do not change the order of presentations listed in the program, and please adhere to the scheduled times.
- As a courtesy to other presenters, all participants are asked to stay for the entire session.



When and Where Was Your First WRSA Meeting?

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 Hotel, 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

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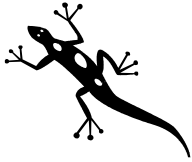
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Program Participant Locator

Session assignments are listed following each participant's name:

1A, 1B, 1C, 1D, 1E, 1F on Monday morning
2A, 2B, 2C, 2D, 2E, 2F 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 on Wednesday morning
6A, 6B, 6C, 6D, 6E on Wednesday afternoon

OS = Opening Session on Sunday afternoon

WB = WRSA Board Meeting on Monday afternoon

AB = 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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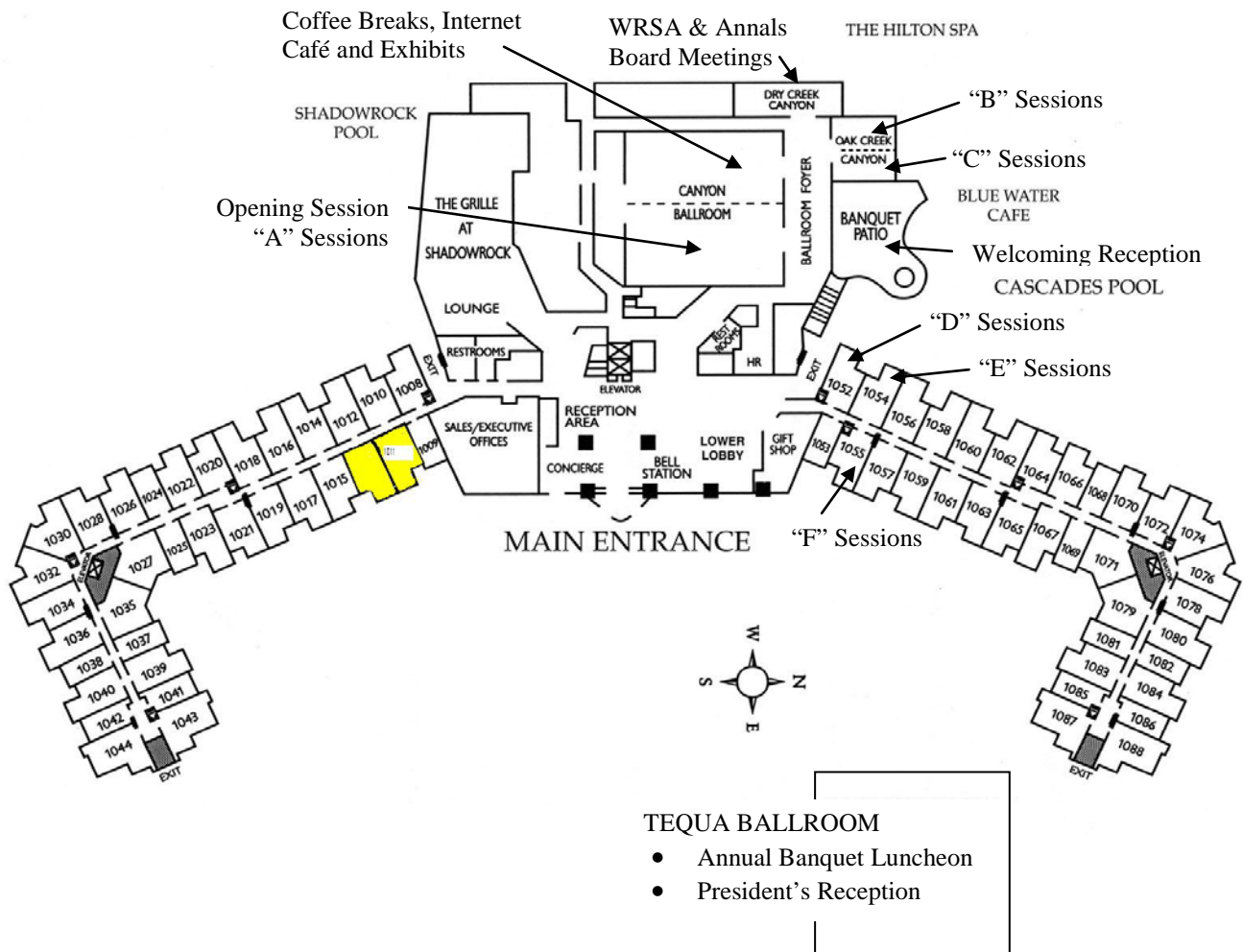
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Locations of Conference Events



And Next Year...

Our Golden Anniversary Conference ~ Monterey Plaza Hotel Monterey, California ~ February 27 – March 2, 2011

Get working on a new paper, because next year's WRSA Annual Meeting is one you won't want to miss! Our 50th Anniversary conference will be held at the exquisite Monterey Plaza Hotel (Site of our 30th Annual Meeting in 1991) on Cannery Row in Monterey, California.

A number of special events are being planned to launch WRSA's next 50 years and to remember and savor our first half century of scholarly exchange and warm winter collegiality. The conference will open on Sunday, February 27, with Registration, an Opening Session and the Welcoming Reception, followed by three full days of papers – Monday, Tuesday, and Wednesday, February 28, March 1, and March 2.

October 15 is, as usual, the paper submission deadline. Encourage friends and colleagues – longtime WRSA goers and first-timers – to attend this very special 50th Annual Meeting.