



Western Regional Science Association 48th Annual Meeting Program

Silverado Resort and Spa ~ Napa, California February 22–25, 2009

Cheers!

Welcome to the Napa Valley, to the Silverado Resort, and to WRSA's 48th 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 17–20, should help you find when and where you and others are scheduled.

The room listing and map on Page 20 should help you find conference events. The box at the bottom Page 5 contains important information about how the sessions should be conducted.

This year's Annual Meeting includes a number of special features. The Meeting will formally open with a plenary session (about the Napa Valley) at 4:00 PM on Sunday, in the Silverado Ballroom.

The traditional Welcoming Reception—this year featuring a wine-tasting—will immediately follow. In addition to tasting the wines, all registrants and those for whom a Banquet and Receptions ticket packet have been purchased may use the included ticket for a full drink from the bar. Beverages will, in addition, be available on a cash-bar basis. All accompanying persons are very much welcome to attend the Opening Session and Welcoming Reception!

The Annual Banquet Luncheon is on Tuesday at 12:30 PM in the Silverado Ballroom. Please bring your ticket to be seated. Accompanying persons who are not paid registrants must have purchased tickets to attend this event.

On Tuesday evening, beginning at 6:00 PM, David Holland will host the annual President's Reception. Everyone is welcome at this social function! Use the last of the tickets in your packet for a first drink. There will be some free hors d'oeuvres (thanks to Dave and WSU!) and a cash bar for additional beverages.

Best wishes for a productive and stimulating conference, a restful stay at the Silverado Resort, and a memorable visit to the Napa Valley.



Sunday, February 22

2:00–6:00 PM **Registration** (Silverado East Foyer)

4:00–7:00 PM **Plenary Opening Session, to be followed by Wine-Tasting and the Welcoming Reception** (Silverado Ballroom and Fairway Deck)



*Sunday, 4:00 – 7:00 PM
Silverado Ballroom / Fairway Deck*

Plenary Opening Session, Wine-Tasting, and Welcoming Reception

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

Chair: T. John KIM
49th WRSA President (2008–2009)

Organizer:
R. Pete RARCELLS, Whitman College

“Why Napa?”
Jim LAPSLEY, Univ. California, Davis

Dr. Lapsley's talk will discuss how the Napa Valley emerged as California's leading wine appellation.

Immediately following the question period, we will adjourn to the Fairway Deck to taste a number of Napa and Washington State wines and socialize with fellow conference participants.



Monday, February 23

7:30 AM–12:15 PM (and 1:15–5:45 PM)

Registration (Silverado East Foyer)

8:00 AM–12:15 PM

Seven Concurrent Sessions:

- 1A Evolving Population Distributions (Domaine Chandon)
- 1B Spatial Analysis (Beringer)
- 1C Regional Disparity and Development (Chappellet)
- 1D Housing and Real Estate, I (Trefethen)
- 1E Labor Markets, I (Martini)
- 1F Urban Transportation (Sutter Home)
- 1G Western States Economic Outlook, I (Buena Vista)

8:00 AM–12:15 PM

NE-1029 Business Meeting (Royal Oak)

9:30–10:00 AM

Coffee Break (Fairway Deck)

12:15–1:30 PM

Lunch Break (On your own this day)

12:15–1:30 PM

Annals of Regional Science, Editorial Board Meeting (By invitation only; Beaulieu)

1:15–5:45 PM

Registration continues (Silverado East Foyer)

1:30–5:45 PM

Seven Concurrent Sessions:

- 2A Transportation and Connectivity (Domaine Chandon)
- 2B Western States Economic Outlook, II (Beringer)
- 2C Housing and Real Estate, II (Chappellet)
- 2D Industrial Location (Trefethen)
- 2E Impact Analysis (Martini)
- 2F Human Capital and Innovation (Sutter Home)
- 2G Urban Settlement System Structuration (Buena Vista)

3:00–3:30 PM

Coffee Break (Fairway Deck)

4:00–5:30 PM

WRSa Board Meeting (By invitation only; Royal Oak)



Monday, 8:00 – 11:30 AM (Chandon)

Paper Session 1A ~ International Perspectives on Evolving Population Distributions

Chair: Michael J. GREENWOOD, Univ. Colorado, Boulder, USA
8:00–8:45

Migration up and down Canada's urban hierarchy

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

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

8:45–9:30

The urban hierarchy and domestic migration: The interaction of internal migration, disposable income and the cost of living, Sweden 1993-2002

Martin KORPI, Stockholm School of Economics and Institute for Future Studies, Sweden, William A.V. CLARK, Univ. California, Los Angeles, USA, and Bo MALMBERG, Univ. Stockholm, SWEDEN

Discussant: Ying PAN, Louisiana State Univ., Baton Rouge, USA

9:30–10:00, *Coffee Break (Fairway Deck)*

10:00–10:45

Illuminating the structure of urban expansion in North China
Mark HENDERSON, Mills College, Oakland, CA, USA

Discussant: Christopher J. HENRIE, U.S. Census Bureau, Washington, DC

10:45–11:30

Is there a hidden potential for rural population growth in Sweden?

Thomas NIEDOMYSL and Jan AMCOFF, Institute for Future Studies, Stockholm, Sweden

Discussant: Rachel S. FRANKLIN, Association of American Geographers, Washington, DC, USA



Monday, 8:00 AM – 12:15 PM (Beringer)

Paper Session 1B ~ Spatial Analysis

Chair: James NOLAN, Univ. Saskatchewan, Saskatoon, Canada

8:00–8:45

Inexplicitly accounting for complementary coverage in regional coverage maximization

Daoqin TONG, Univ. Arizona, Tucson, USA

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

8:45–9:30

Spatially disaggregating employment growth estimates

Jonathan CORCORAN, Univ. Queensland, Alan T. MURRAY, Arizona State Univ., Tempe, USA, and Robert J. STIMSON, Univ. Queensland, Brisbane, Australia

Discussant: Euijune KIM, Seoul National Univ., Korea

9:30–10:00, *Coffee Break (Fairway Deck)*

10:00–10:45

Effects of irregular topography in spherical self-organizing maps

Charles R. SCHMIDT, Sergio J. REY, Arizona State Univ., Tempe, and André SKUPIN, San Diego State Univ., CA, USA

Discussant: Lee R. MOBLEY, Research Triangle Institute International, Raleigh, NC, USA

10:45–11:30

A spatial Cliff-Ord-type model with heteroskedastic innovations: Small and large sample results

Irani ARRAIZ, Inter-American Development Bank, Washington DC, David M. DRUKKER, StataCorp, College Station, TX, Harry H. KELEJIAN, and Ingmar R. PRUCHA, Univ. Maryland, College Park, USA

Discussant: Julie LE GALLO, Université de Franche-Comté, Besançon, France

11:30–12:15

Dynamic manipulation of spatial weights using web services

Sergio J. REY, Luc ANSELIN, and Myunghwa HWANG, Arizona State Univ., Tempe, USA

Discussant: Jiyoung PARK, Univ. Southern California, Los Angeles, USA



Monday, 8:00 AM – 12:15 PM (Chappellet)

Paper Session 1C ~

Regional Disparity and Development

Chair: Karen TURNER, Univ. Strathclyde, Scotland

8:00–8:45

Knowledge spillovers in spatial equilibrium

Stein ØSTBYE, Univ. Tromsø, Norway

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

8:45–9:30

Economic structure and regional disparity in China: Beyond the Kuznets transition

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

Discussant: Sara JOHANSSON, Jönköping Univ., Sweden

9:30–10:00, *Coffee Break (Fairway Deck)*

10:00–10:45

Regional disparities in Canada... Which regional disparities?

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

Discussant: Martin GOSSAS, Institute for Future Studies, Stockholm, Sweden

10:45–11:30

Convergence process in Indonesia's East Java cities and its relation with regional development policy

Andi IRAWAN, Univ. Illinois, Urbana-Champaign, USA

Discussant: Maribel ELIAS, Arizona State Univ., Tempe, USA

11:30–12:15

Persistent R&D and regional milieu: What is the impact on productivity, wages, and profit?

Börje JOHANSSON, Jönköping Univ., and Hans LÖÖF, Royal Institute of Technology, Stockholm, Sweden

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



Monday, 8:00 AM – 12:15 PM (Trefethen)

Paper Session 1D ~ Housing and Real Estate, I

Chair: Nina J. GRUEN, Gruen Gruen + Associates, San Francisco, USA

8:00–8:45

Impact of changes of floor area ratio on housing price

In Hye CHOI, Yonsei Univ., Ha Seung SONG, Korea Research Institute for Human Settlements, and Kabsung KIM, Yonsei Univ., Seoul, Korea

Discussant: Ralph McLAUGHLIN, Univ. California, Irvine, USA

8:45–9:30

Expert opinion versus transaction evidence: Using the Reilly Index to measure open space premiums in the urban-rural fringe

Geerte COTTELEER, Wageningen Univ., The Netherlands, Tracy STOBBE, Trinity Western Univ., Langley, BC, and G. Cornelis van KOOTEN, Univ. Victoria, BC, Canada

Discussant: Philip J. RUDER, Pacific Univ., Forest Grove, OR, USA

9:30–10:00, *Coffee Break (Fairway Deck)*

10:00–10:45

A residential choice model of social prejudice

Seungsik SHIN, Saheum HONG, and Kabsung KIM, Yonsei Univ., Seoul, Korea

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

10:45–11:30

Doing well by doing good? Green office buildings

Piet EICHHOLTZ, Nils KOK, Maastricht Univ., Netherlands, and John M. QUIGLEY, Univ. California, Berkeley, USA

Discussant: Nancy LOZANO-GRACIA, Arizona State Univ., Tempe, USA

11:30–12:15

The effect of air quality improvement on apartment price in Seoul: Application of a spatial hedonic price model

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

Discussant: Yukiko SHIMIZU, Tokyo Institute of Technology, Japan



Monday, 8:00 AM – 12:15 PM (Martini)

Paper Session 1E ~ Labor Markets, I

Chair: Timothy SLAPER, Indiana Univ., Bloomington, USA

8:00–8:45

Local labor market endowments, new business characteristics, and performance

Mark DOMS, Federal Reserve Bank of San Francisco, CA, Ethan LEWIS, Dartmouth College, Hanover, NH, and Alicia ROBB, Univ. California, Santa Cruz, USA

Discussant: Harvey A. GOLDSTEIN, MODUL Univ., Vienna, Austria

8:45–9:30

An agent-based computational approach to explaining persistent spatial unemployment disparities

David P. McARTHUR and Inge THORSEN, Stord/Haugesund Univ., and Jan UBØE, Norwegian School of Economics and Business Administration, Bergen

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

9:30–10:00, *Coffee Break (Fairway Deck)*

10:00–10:45

The Beveridge Curve in Europe: New evidence using national and regional data

Florence BOUVET, Sonoma State Univ., Rohnert Park, CA, USA

Discussant: Michael OLSSON, Univ. Skövde, Sweden

10:45–11:30

Cyclical unemployment and state labor market flows

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

Discussant: Tatsuyoshi MIYAKOSHI, Osaka Univ., Japan

11:30–12:15

Predicting housing prices at alternative locations and in alternative scenarios of the spatial job distribution

Liv OSLAND and Inge THORSEN, Stord/Haugesund Univ., Norway

Discussant: Woohyung LEE, Kyushu Institute of Technology, Japan

Monday Morning Program continues on Page 4...



Monday, 8:00 – 11:30 AM (Sutter Home)

Paper Session 1F ~ Urban Transportation

Chair: T. John KIM, Univ. Illinois, Urbana-Champaign, USA
8:00–8:45

Can the Puget Sound's "Regional Centers" strategy change travel behavior?

C.-H. Christine BAE and Alon BASSOK, Univ. Washington, Seattle, USA

Discussant: T.R. LAKSHMANAN, Boston Univ., USA
8:45–9:30

Network accessibility and the evolution of urban employment

Genevieve GIULIANO, Christian REDFEARN, Ajay AGARWAL, and Sylvia HE, Univ. Southern California, Los Angeles, USA

Discussant: Brian H.S. KIM, Yonsei Univ., Seoul, Korea
9:30–10:00, *Coffee Break (Fairway Deck)*

10:00–10:45

Can "live near your work" work where we live? Evaluating urban growth management policies in a general equilibrium model of land use and transportation

Elena SAFIROVA, Conrad COLEMAN, Sébastien HOUDE, and Winston HARRINGTON, Resources for the Future, Washington, DC, USA

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

10:45–11:30

Stakeholder role in intermodal transport studies

Lata CHATTERJEE, Boston Univ., MA, USA

Discussant: David E. PITFIELD, Loughborough Univ., UK



Monday, 8:00 AM – 12:15 PM (Buena Vista)

Paper Session 1G ~

Western States Economic Outlook, I

(Cosponsored by AUBER)

Chair: R. Keith SCHWER, Univ. Nevada, Las Vegas, USA

Arizona

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

Northern California

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

9:30–10:00, *Coffee Break (Fairway Deck)*

Southern California

Esmael ADIBI, Chapman Univ., Orange, CA, USA

Colorado

Richard WOBBEKIND, Univ. Colorado, Boulder, USA

Montana

Paul POLZIN, Univ. Montana, Missoula, USA



Monday, 8:00 AM – 12:15 PM (Royal Oak)

NE-1029 ~ Business Meeting

Convenor:

Alison F. DAVIS, Univ. Kentucky, Lexington, USA



Monday, 12:15 – 1:30 PM

Lunch Break (On your own this day)



Monday, 1:30 – 5:45 PM (Chandon)

Paper Session 2A ~Transportation and Interregional Connectivity

Chair: Elena SAFIROVA, Resources for the Future, Washington DC, USA

1:30–2:15

The potential transformation and consequences of transport infrastructure

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

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

2:15–3:00

The assessment of the EU-U.S. Open Skies Agreement: The counterfactual and other difficulties

David E. PITFIELD, Loughborough Univ., UK

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

3:00–3:30, *Coffee Break (Fairway Deck)*

3:30–4:15

The evolution of the Western grain handling and transportation system in Canada

James NOLAN and Leigh ANDERSON, Univ. Saskatchewan, Saskatoon, and Derek BREWIN, Univ. Manitoba, Winnipeg, Canada

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

4:15–5:00

Transportation difficulties in the older population: An assessment of characteristics linked to ageing society's transportation limitations

Sungyop KIM, Univ. Missouri, Kansas City, USA

Discussant: Ajay AGARWAL, Univ. Southern California, Los Angeles, USA

5:00–5:45

From cyber to space: A new technique for measuring virtual activity across North American cities

Jean-François FRENETTE, Univ. Québec, Canada

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



Monday, 1:30 – 3:00 PM (Beringer)

Paper Session 2B ~

Western States Economic Outlook, II

(Cosponsored by AUBER)

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

Nevada

R. Keith SCHWER, Univ. Nevada, Las Vegas, USA

Washington

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



Monday, 1:30 – 5:00 PM (Chappellet)

Paper Session 2C ~ Housing and Real Estate, II

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

1:30–2:15

An analysis of optimal contract length in the rental housing market: The case of heterogeneous tenants

Yukiko SHIMIZU and Noboru HIDANO, Tokyo Institute of Technology, Japan

Discussant: In Hye CHOI, Yonsei Univ., Seoul, Korea

2:15–3:00

Parents, peers, or school inputs: Which components of school outcomes are capitalized into house value?

David M. BRASINGTON, Univ. Cincinnati, OH, and Donald R. HUARIN, Ohio State Univ., Columbus, USA

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

3:00–3:30, Coffee Break (Fairway Deck)

3:30–4:15

Housing, social capital and community development in Korea

Seong-Kyu HA, Chung-Ang Univ., and Jong-Nyeo SEO, Yonsei Univ., Seoul, Korea

Discussant: Nina J. GRUEN, Gruen Gruen + Associates,
San Francisco, USA

4:15–5:00

Population vulnerability in a contemporary setting: Housing foreclosure in Columbus, Ohio, 2003–2007

Lawrence A. BROWN, Ohio State Univ., Su-Yeul CHUNG, Western Illinois Univ., Moline, and Michael WEBB, Ohio State Univ., Columbus, USA

Discussant: Daniel WIBERG, Jönköping International Business School, Sweden



Monday, 1:30 – 5:45 PM (Trefethen)

Paper Session 2D ~ Industrial Location

Chair: Alessandro DE PINTO, Univ. Redlands, CA, USA

1:30–2:15

Agglomeration dynamics of business services

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

Discussant: Daisuke NAKAMURA, Univ. Illinois, Urbana-Champaign, USA

2:15–3:00

Social underpinnings of an industrial cluster

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

Discussant: Roel RUTTEN, Tilburg Univ., The Netherlands

3:00–3:30, Coffee Break (Fairway Deck)

3:30–4:15

Industry cluster analysis for Washington State Workforce Development Areas

Paul SOMMERS, Seattle Univ., William B. BEYERS, and Andrew WENZL, Univ. Washington, Seattle, USA

Discussant: Stein ØSTBYE, Univ. Tromsø, Norway

4:15–5:00

R&D accessibility and comparative advantage in quality differentiated goods

Sara JOHANSSON, Jönköping International Business School and Royal Institute of Technology, Stockholm, Sweden

Discussant: Frans BOEKEMA, Tilburg Univ. and Nijmegen Univ., The Netherlands

5:00–5:45

The spatial dimension of social capital

Roel RUTTEN, Tilburg Univ., and Frans BOEKEMA, Tilburg Univ. and Nijmegen Univ., The Netherlands

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



Monday, 1:30 – 5:00 PM (Martini)

Paper Session 2E ~ Impact Analysis

Chair: Denise E. KONAN, Univ. Hawaii, Manoa, USA

1:30–2:15

The regional impacts of increasing U.S. domestic oil and gas production

Christa D. JENSEN and Randall W. JACKSON, West Virginia Univ., and Lisa PHARES, National Energy Technology Laboratory, Morgantown, WV, USA

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

2:15–3:00

The impact on employment and wages due to stadium construction

Chiung-Hsia (Doris) WANG, Colorado State Univ., Ft. Collins, USA

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

3:00–3:30, Coffee Break (Fairway Deck)

3:30–4:15

Local economic impacts of natural disasters: An intervention analysis with quasi-experimental designs

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

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

4:15–5:00

Estimate the economic losses of Hurricane Ike in the Greater Houston Region

Qisheng PAN, Texas Southern Univ., Houston, USA

Discussant: Man-Keun KIM, Univ. Nevada, Reno

Monday Afternoon Program continues on Page 6...

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 the presenters, all participants are asked to stay for the entire session.



Monday, 1:30 – 5:00 PM (Sutter Home)

Paper Session 2F ~ Human Capital and Innovation

Chair: Douglass E. MORRIS, Univ. New Hampshire,
Durham, USA

1:30–2:15

In search of New England employment opportunities for retirees

Douglas MORRIS and Lyndon GOODRIDGE, Univ. New
Hampshire, Durham, USA

Discussant: Inge THORSEN, Stord/Haugesund Univ.,
Norway

2:15–3:00

Social diversity and regional integration: Evidence from China

Haifeng QIAN, Roger STOUGH, and Junyang YUAN, George
Mason Univ., Fairfax, VA, USA

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

3:00–3:30, Coffee Break (Fairway Deck)

3:30–4:15

Developing an index for innovation: A county level approach

Timothy F. SLAPER and Nicholas HART, Indiana Univ.,
Bloomington, USA

Discussant: Mark DOMS, Federal Reserve Bank of San
Francisco, USA

4:15–5:00

**Talent mobility: Toward the understanding of factors,
institutions, and policy models for talent attraction**

Ramziya SHAKIROVA, George Mason Univ., Fairfax, VA, USA

Discussant: Claude GRUEN, Gruen Gruen + Associates,
San Francisco, USA



Monday, 1:30 – 5:00 PM (Buena Vista)

Paper Session 2G ~

Urban Settlement System Structuration

Chair: Michel DIMOU, Univ. Reunion, France

1:30–2:15

**Defining urban areas: Issues and considerations for the 2010
census and beyond**

Christopher J. HENRIE and Kevin HAWLEY, U.S. Census
Bureau, Washington, DC, USA

Discussant: Richard L. MORRILL, Univ. Washington,
Seattle, USA

2:15–3:00

**Exploring the dual dichotomy within urban geography: An
application of fuzzy urban sets**

Eric J. HEIKKILA and Yiming WANG, Univ. Southern
California, Los Angeles, USA

Discussant: Mark HENDERSON, Mills College, Oakland,
CA, USA

3:00–3:30, Coffee Break (Fairway Deck)

3:30–4:15

**Armed conflicts and the prevailing rank-size patterns in 28
African states**

Abukar WARSAME and Mats WILHELMSSON, Royal Institute
of Technology, Stockholm, Sweden

Discussant: Ron McCHESNEY, Independent Geographer,
Upper Arlington, OH, USA

4:15–5:00

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

Alexandra SCHAFFER and Michel DIMOU, Univ. Reunion,
France

Discussant: Michael J. KEANE, National Univ. Ireland,
Galway



Monday, 4:00 – 5:30 PM (Royal Oak)

WRSA Board Meeting

(By Invitation Only)

Convenor:

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



Tuesday, February 24

7:45 AM–12:15 PM (and 2:15–5:45 PM)

Registration (Silverado East Foyer)

8:00 or 8:45 AM–12:15 PM

Seven Concurrent Sessions:

3A Public Finance and Governance (Domaine Chandon)

3B Labor Markets, II (Beringer)

3C Wind and Water (Chappellet)

3D NE-1029 / WRSA Joint Session, I (Trefethen)

3E Regional Modeling, I (Martini)

3F Urban Structure (Sutter Home)

3G Remote Regions I (Buena Vista)

9:30–10:00 AM

Coffee Break (Fairway Deck)

12:30–2:15 PM

Annual Banquet Luncheon (Silverado Ballroom)

2:15–5:45 PM

Registration continues (Silverado East Foyer)

1:30–5:45 PM

Seven Concurrent Sessions:

4A Entrepreneurship in Aging Societies (Chandon)

4B NE-1029 / WRSA Joint Session, II (Beringer)

4C Regional Modeling, II (Chappellet)

4D Environmental Impacts, I (Trefethen)

4E Public Finance and Governance, II (Martini)

4F Demographic Analysis, I (Sutter Home)

4G Regional Economic Development, I (Buena Vista)

4:00–4:15 PM

Coffee Break (Fairway Deck)

6:00–7:30 PM

President's Reception (Fairway Deck)



Tuesday, 8:45 AM – 12:15 PM (Chandon)

Paper Session 3A ~

Public Finance and Governance, I

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

8:45–9:30

Looking for the benefits principle in the business tax structures of the Western States

Timothy D. HOGAN, Arizona State Univ., Tempe, and R. Keith SCHWER, Univ. Nevada, Las Vegas, USA

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

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

Can lower tax rates be bought? Business rent-seeking and tax competition among U.S. states

Robert S. CHIRINKO, Univ. Illinois, Chicago, and Daniel J. WILSON, Federal Reserve Bank of San Francisco, USA

Discussant: Mary E. EDWARDS, St. Cloud State Univ., MN, USA

10:45–11:30

Unconditional grants: Effects on local public expenditures in Sweden

Lena C. BIRKELOF, Umeå Univ., Sweden

Discussant: Katherine C. CHALMERS, California State Univ., Sacramento, USA

11:30–12:15

Spatial interdependence in local government efficiency

Mandy KRIESE and Anna MONTÉN, Dresden Univ.

Technology, Germany

Discussant: Niklas STENLAS, Institute for Future Studies, Stockholm, Sweden



Tuesday, 8:00 AM – 12:15 PM (Beringer)

Paper Session 3B ~ Labor Markets, II

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

8:00–8:45

Labour market aspects of the "New Rurality": Employment, commuting, and entrepreneurship in rural Sweden

Kent ELIASSON, Umeå Univ., Mats JOHANSSON, and Hans WESTLUND, Royal Institute of Technology, Stockholm, Sweden

Discussant: Mikko MOILANEN, Univ. Tromsø, Norway

8:45–9:30

The regional distribution by province of non-parental child care in Canada

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

Discussant: Charles R. SCHMIDT, Arizona State Univ., Tempe, USA

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

Commuting: A form of time travel

Michael OLSSON, Univ. Skövde, Börje JOHANSSON and Johan KLAESSON, Jönköping International Business School and Royal Institute of Technology, Stockholm, Sweden

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

10:45–11:30

What decreases the TFP? The aging labor and ICT imbalance

Tatsuyoshi MIYAKOSHI, Osaka Univ., Japan, and Pekka ILMAKUNNAS, Helsinki School of Economics, Finland

Discussant: David P. McARTHUR, Stord/Haugesund Univ., 11:30–12:15

Congestion and labour market accessibility in a regional context

David P. McARTHUR, Inge THORSEN, Stord/Haugesund Univ., and Jan UBØE, Norwegian School of Economics and Business Administration, Bergen

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



Tuesday, 8:45 AM – 12:15 PM (Chappellet)

Paper Session 3C ~ Wind and Water

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

8:45–9:30

Locating aspirational clusters: A spatial method for locating Ohio's wind energy cluster

Joseph FRIZADO, Bruce W. SMITH, Bowling Green State Univ., Neil REID, Univ. Toledo, and Michael C. CARROLL, Bowling Green State Univ., OH, USA

Discussant: Andrew BLOHM, Univ. Maryland, College Park, USA

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

Wind farms in rural areas: How far do economic and community benefits from wind farms represent a local economic development activity?

Gill BRISTOW, Richard COWELL, and Max MUNDAY, Cardiff Univ., Wales, U.K.

Discussant: Juanita C. LIU, Univ. Hawaii, Manoa, USA

10:45–11:30

Eliciting the willingness to pay for piped water from self-reported rent appraisals in rural and urban Indonesia: A SEM autoregressive panel approach

Yusep SUPARMAN, Padjadjaran Univ, Indonesia, Henk FOLMER, Groningen Univ. and Wageningen Univ., Han OUD, Radboud Univ. Nijmegen, The Netherlands, and Budy P. RESOSUDARMO, Australian National Univ., Canberra, Australia

Discussant: Marcela GONZÁLEZ RIVAS, Cornell Univ., Ithaca, NY, USA

11:30–12:15

Valuing access to water: A spatial hedonic approach, with an application to Indian cities

Luc ANSELIN, Nancy LOZANO-GRACIA, Arizona State Univ., Tempe, Uwe DEICHMANN and Somik LALL, The World Bank, Washington, DC, USA

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

Tuesday Morning Program continues on Page 8...

**Two previous WRSA Annual Meetings
were held at the Silverado in Napa...**

Our 35th ~ February 25–29, 1996

Our 27th ~ February 24–28, 1988



Tuesday, 8:00 – 11:30 AM (Trefethen)

Paper Session 3D ~

NE-1029 / WRSa Joint Session, I

Chair: Alison F. DAVIS, Univ. Kentucky, Lexington, USA

8:00–8:45

Residential broadband availability and adoption: Recent evidence from Kentucky and North Carolina

Mitch RENKOW, North Carolina State Univ., Raleigh, USA

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

8:45–9:30

The impact of state government subsidies and tax credits in an emerging industry: United States ethanol production 1980–2007

Chad COTTI, Univ. Wisconsin, Oshkosh, and Mark SKIDMORE, Michigan State Univ., East Lansing, USA

Discussant: Alison F. DAVIS, Univ. Kentucky, Lexington, USA

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

Evolving structure of ethanol plants in rural areas and implications for rural economies

Daniel M. OTTO, Brittany TEAHAN, Chad HART and Zhong JIN, Iowa State Univ., Ames, USA

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

10:45–11:30

Rural broadband internet use and the rural economy: Quasi-experimental design analysis of broadband's potential effect

Peter STENBERG, Economic Research Service, Washington, DC, USA

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



Tuesday, 8:45 AM – 12:15 PM (Martini)

Paper Session 3E ~ Regional Modeling, I

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

8:45–9:30

Assessing the performance of discrete choice models

Alessandro DE PINTO, Univ. Redlands, CA, USA

Discussant: John I. CARRUTHERS, U.S. Department of Housing and Urban Development, Washington, D.C.

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

Trends in productivity of the Far West region

John SPORING, Jr., U.S. Bureau of Economic Analysis, Washington, DC, USA

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

10:45–11:30

Regional structure and structural changes in the Chilean economy: A fundamental economic structure (FES) approach

Sudhir K. THAKUR and Jaime R. ALVAYAY, California State Univ., Sacramento, USA

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

11:30–12:15

The added value from adopting a CGE approach to analyse changes in environmental trade balances

Karen TURNER, Michelle GILMARTIN, Peter G. MCGREGOR, and J. Kim SWALES, Univ. Strathclyde, Scotland

Discussant: Jiyoung PARK, Univ. Southern California, Los Angeles, USA



Tuesday, 8:00 AM – 12:15 PM (Sutter Home)

Paper Session 3F ~ Urban Structure

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

8:00–8:45

Accessibility, diversity, and the dynamics of employment and population location

Sumei ZHANG, Univ. Louisville, KY, and Jean-Michel GULDMANN, Ohio State Univ., Columbus, OH, USA

Discussant: Ina BLIND, Univ. Uppsala, Sweden

8:45–9:30

Do local governments influence metropolitan spatial structure? Evidence from the Los Angeles region

Ajay AGARWAL, Univ. Southern California, Los Angeles, USA

Discussant: Rajrani KALRA, California State Univ., San Bernardino, USA

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

Subcenters in polycentric regions: The case of the Dallas-Forth Worth metropolitan area

Ardeshtir ANJOMANI, Univ. Texas, Arlington, USA, and Maher S. AL-SHAMMARI, King Faisal Univ., Saudi Arabia

Discussant: Jong-Nyeo SEO, Yonsei Univ., Seoul, Korea

10:45–11:30

Urban structure: Its role in urban growth, net new business formation and industrial churn

Peter GORDON, Univ. Southern California, Los Angeles, and Bumsoo LEE, Univ. Illinois, Urbana-Champaign, USA

Discussant: Nancy Green LEIGH, Georgia Institute of Technology, Atlanta, USA

11:30–12:15

The analysis of regional polycentric condition through polycentricity in Korea

Chan Il PARK and Kabsung KIM, Yonsei Univ., Seoul, Korea

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



**Submitting Papers to:
The Annals of Regional Science**

Participants are cordially invited to submit their Annual Meeting 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.



Tuesday, 8:45 – 11:30 AM (Buena Vista)

**Paper Session 3G ~ Remote Regions, I:
Northern Politics and Public Institutions**

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

8:45–9:30

Paying the bills for student skills: Applying a national model to rural Alaskan districts

Alexandra HILL, Michelle STEFFENS, and Diane HIRSHBERG,
Univ. Alaska, Anchorage, and Lawrence O. PICUS,
Univ. Southern California, Los Angeles, USA

Discussant: Michael BAFFREY, U.S. Dept. of the Interior,
Alaska, USA

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

The other Alaska Bridge to Nowhere: The Knik Arm Bridge and Toll Authority

Greg PROTASEL, Univ. Alaska, Anchorage, USA

Discussant: Tim HELENIK, University of Maryland,
College Park, USA

10:45–11:30

Awakening Siberia from marginalization to self-determination

Lennard SILLANPAA, Univ. Helsinki, Finland

Discussant: Rasmus Ole RASMUSSEN, Nordregio,
Stockholm, Sweden



Tuesday, 12:30 – 2:15 PM
(Silverado Ballroom)

Annual Banquet Luncheon

(For all registered and paid participants; tickets required)

Chair: T. John KIM, 49th WRSA President (2008–2009)

Announcements:

David A. PLANE, WRSA Executive Secretary

The 12th Annual Springer Prize

Presented by:

Roger R. STOUGH, Börje JOHANSSON, and Euijune KIM,
Co-editors, *The Annals of Regional Science*
and Barbara FESS, Springer Publishers

The 22nd Charles M. Tiebout Prize

Presented by:

Jack OSMAN, 47th WRSA President (2006–2007) and
Chair, 2008–2009 Reading Committee

Presidential Address:

How do regions adjust to a positive (or negative) trade balance?

David W. HOLLAND, 50th WRSA President (2009–2010)

Discussant:

Maureen KILKENNY, Univ. Nevada, Reno, USA

**Winners of the Charles M. Tiebout Prize
in Regional Science, 1987–2008**

This is the 23rd 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.

- 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, 2:30 – 5:00 PM (Chandon)

Paper Session 4A ~

Entrepreneurship in Aging Societies

Chair: Antoine BAILLY, Univ. Genève, Switzerland

2:30–3:15

Impact of local resources on hospitalization patterns of Medicare beneficiaries and propensity to travel outside local markets

Jayasree BASU, Agency for Healthcare Research and Quality, Rockville, MD, and Lee R. MOBLEY, Research Triangle Institute International, Raleigh, NC, USA

Discussant: Antoine BAILLY, Univ. Genève, Switzerland
3:15–4:00

Profit dynamics and new firms: Regional entry and exit of firms and the persistence of profits

Johan EKLUND, Jönköping International Business School and RATIO, Stockholm, and Daniel WIBERG, Jönköping International Business School and Royal Institute of Technology, Stockholm, Sweden

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

4:00–4:15, Coffee Break (Fairway Deck)

4:15–5:00

The labor and social security impacts of elderly entrepreneurship

Ting ZHANG, Univ. Baltimore, MD, USA

Discussant: Lena C. BIRKELOF, Umeå Univ., Sweden



Tuesday, 2:30 – 5:00 PM (Beringer)

Paper Session 4B ~

NE-1029 / WRS A Joint Session, II

Chair: Mitch RENKOW, North Carolina State Univ., Raleigh, USA

2:30–3:15

Recent immigration: The diversity of economic outcomes in metropolitan America

Mark D. PARTRIDGE, Ohio State Univ., Columbus, Dan S. RICKMAN, Oklahoma State University, Stillwater, USA, and Kamar ALI, Univ. Saskatchewan, Saskatoon, Canada

Discussant: Peter STENBERG, Economic Research Service, Washington, DC, USA

3:15–4:00

Estimating trade area capture employing cointegration procedures

Fungisai NOTA, Wartburg College, Waverly, IA, and Thomas R. HARRIS, Univ. Nevada, Reno, USA

Discussant: Daniel M. OTTO, Iowa State Univ., Ames, USA
4:00–4:15, Coffee Break (Fairway Deck)

4:15–5:00

The impact of TELs on U.S. state economic performance

Steven DELLER, Univ. Wisconsin, Madison, Judith STALLMANN, Univ. Missouri, Columbia, and Lindsay AMIEL, Univ. Wisconsin, Madison, USA

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



Tuesday, 2:30 – 5:45 PM (Chappellet)

Paper Session 4C ~ Regional Modeling, II

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

2:30–3:15

Visitor spending shocks and labor mobility in Hawai'i

Makena COFFMAN, Univ. Hawaii, Manoa, USA

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

3:15–4:00

Disaggregated national value chains as interindustry benchmarks for exploratory regional economic base analysis

Edward FESER, Univ. Illinois, Urbana-Champaign, USA

Discussant: John SPORING, Jr., U.S. Bureau of Economic Analysis, Washington, DC, USA

4:00–4:15, Coffee Break (Fairway Deck)

4:15–5:00

Econometric estimation of Armington import elasticities for regional CGE models of the Chicago and Illinois economies

Soo Jung HA, Univ. Strathclyde, Geoffrey J. D. HEWINGS, Univ. Illinois, Urbana-Champaign, USA, and Karen TURNER, Univ. Strathclyde, Scotland

Discussant: Chiung-Hsia (Doris) WANG, Colorado State Univ., Ft. Collins, USA

5:00–5:45

The economic impacts of the 2001 terrorist attacks on the World Trade Center: A computable general equilibrium analysis

Adam ROSE, Univ. Southern California, Gbadebo OLADOSU, Oak Ridge National Laboratory, TN, Bumsoo LEE, Univ. Illinois, Urbana-Champaign, and Garrett ASAY, Univ. Southern California, Los Angeles, USA

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



Tuesday, 2:30 – 5:45 PM (Trefethen)

Paper Session 4D ~ Environmental Impacts, I

Chair: Katharine L. JACOBS, Arizona Water Institute, Tucson, USA

2:30–3:15

The role of energy efficiency spending in Maryland's implementation of the Regional Greenhouse Gas Initiative (RGGI)

Matthias RUTH, Univ. Maryland, College Park, Karen PALMER, Andrew PAUL, Resources for the Future, Washington, DC, Benn HOBBS, Johns Hopkins Univ., Baltimore, MD, Daraius IRANI, Towson Univ., Baltimore, MD, Yishu CHEN, Univ. California, Merced, Kimberly ROSS, Joanna MAUER, Univ. Maryland, College Park, Erica MYERS, Resources for the Future, Washington, DC, Ivan Dario VALENCIA, Nate HULTMAN, and Nicolai HERRMANN, Univ. Maryland, College Park, USA

Discussant: Mary E. EDWARDS, St. Cloud State Univ., MN, USA

3:15–4:00

The greenhouse effect (It's not what you think)

Ron McCHESNEY, Independent Geographer, Upper Arlington, OH, USA

Discussant: Joseph FRIZADO, Bowling Green State Univ., OH, USA

4:00–4:15, Coffee Break (Fairway Deck)

4:15–5:00

Impacts of high speed rail system on regional air quality

Minsu SON, Brian H.S. KIM, and Kichan NAM, Yonsei Univ., Seoul, Korea

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

5:00–5:45

Climate impacts and response options at local scales: Lessons from five industries in Pennsylvania, USA

Andrew BLOHM and Matthias RUTH, Univ. Maryland, College Park, USA

Discussant: PingSun LEUNG, Univ. Hawaii, Manoa, USA

Tuesday, 2:30 – 5:00 PM (Martini)

Paper Session 4E ~**Public Finance and Governance, II**

Chair: Lata CHATTERJEE, Boston Univ., MA, USA

2:30–3:15

Big into small: Fiscal policy externalities at the city level

Katherine C. CHALMERS, California State Univ., Sacramento, Harvey CULTER, Colorado State Univ., Fort Collins, and Walter SCHWARM, California Department of Finance, Sacramento, USA

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

3:15–4:00

The advent of the Swedish lobbyist region

Niklas STENLÅS and Markus GOSSAS, Institute for Future Studies, Stockholm, Sweden

Discussant: Anna MONTÉN, Dresden Univ., Germany

4:00–4:15, Coffee Break (Fairway Deck)

4:15–5:00

Impact of local decentralization on economic growth

George W. HAMMOND, West Virginia Univ., Morgantown, and Mehmet S. TOSUN, Univ. Nevada, Reno, USA

Discussant: Daniel J. WILSON, San Francisco Federal Reserve Bank, USA

Tuesday, 2:30 – 5:45 PM (Sutter Home)

Paper Session 4F ~ Demographic Analysis, I

Chair: Martin KORPI, Stockholm School of Economics and Institute for Future Studies, Sweden

2:30–3:15

An econometric model of sex-specific U.S. immigration before the Civil War

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

Discussant: Alessandra FAGGIAN, Univ. Southampton, UK

3:15–4:00

Regional settlement patterns for differing immigrant groups in Sweden 1975-2005: A cross-sectional analysis of period data

Daniel RAUHUT, Nordregio, and Mats JOHANSSON, Royal Institute of Technology, Stockholm, Sweden

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

4:00–4:15, Coffee Break (Fairway Deck)

4:15–5:00

Gains from green cards: Immigrant parents' legal status and children's scholastic achievement

Ying PAN, Louisiana State Univ., Baton Rouge, USA

Discussant: Yiming WANG, Univ. Southern California, Los Angeles, USA

5:00–5:45

Who moves for employment reasons?

Philip S. MORRISON, Victoria Univ. Wellington, William A.V. CLARK, Univ. California, Los Angeles, USA, Kirsten NISSEN and Robert DIDHAM, Statistics New Zealand, Christchurch, and Michael SLOAN, Victoria Univ. Wellington, New Zealand

Discussant: Johann KLAESSON, Jönköping International Business School, Sweden

Tuesday, 2:30 – 5:45 PM (Buena Vista)

Paper Session 4G ~**Regional Economic Development, I: New Strategic Perspectives**

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

2:30–3:15

Casino gambling as an economic development strategy

Michael WENZ, Winona State Univ., MN, USA

Discussant: Andrew J. CASSEY, Washington State Univ., Pullman, USA

3:15–4:00

Social capital and economic growth on various spatial levels:**Conclusions from 56 studies**

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

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

4:00–4:15, Coffee Break (Fairway Deck)

4:15–5:00

Transitioning to the new economy: Individual, institutional, and regional factors in explaining outcomes of retraining programs

Harvey A. GOLDSTEIN, MODUL Univ., Vienna Austria, Nichola LOWE and Mary DONEGAN, Univ. North Carolina, Chapel Hill, USA

Discussant: Ramziya SHAKIROVA, George Mason Univ., Fairfax, VA, USA

5:00–5:45

Economic and tax revenue impacts of the University of Arizona Science and Technology Park

Jaewon LIM, Univ. Arizona, Tucson, USA

Discussant: R. Keith SCHWER, Univ. Nevada, Las Vegas, USA

Tuesday Program continues on Page 12...

WRSA on behalf of NARSC to host...

The 56th North American Meetings of the RSAI

WRSA is set to host the November 18–21, 2009 conference in “The City”: San Francisco. We’ve picked a great location and venue: The Grand Hyatt on Union Square. WRSA Board Member, Serge Rey is Program Chair; Dave Plane, Arrangements Chair. Abstract submission deadline is August 1.

Plan on two WRSA-quality events in singularly spectacular western U.S. sites in Academic Year 2009-2010: The North American Meetings in San Francisco, November 18–21, and WRSA’s 49th in Sedona, February 21-24. (WRSA details, p.20)



The 50 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 Moscové
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

Tuesday, 6:00 – 7:30 PM
(Fairway Deck)

President's Reception

Hosted by:
David W. HOLLAND,
50th WRSA President (2009–2010)

(For all participants and accompanying persons:
Everyone welcome!)

We gratefully acknowledge the generous financial support for this event provided by Washington State University's College of Agricultural, Human, and Natural Resource Sciences on the occasion of David Holland's Presidency.



Wednesday, February 25

7:45 AM–12:15 PM

Registration (Silverado East Foyer)

8:00–9:00 AM

IGU Applied Geography Commission Meeting
(Buena Vista)

8:00 or 8:45 AM–12:15 PM

Six Concurrent Sessions:

- 5A Environmental Impacts, II (Chandon)
- 5B Regional Economic Development, II (Beringer)
- 5C Evolving Planning Constructs (Chappellet)
- 5D Urban Development and Policy, I (Trefethen)
- 5E Economic Theory and Regional Applications (Martini)
- 5F Remote Regions, II (Sutter Home)

9:30–10:00 AM

Coffee Break (Fairway Deck)

12:15–1:30 PM

Lunch Break (On your own this day)

1:30–5:45 PM

Six Concurrent Sessions:

- 6A Remote Regions, III (Chandon)
- 6B Urban Development and Policy, II (Beringer)
- 6C Regional Economic Development, III (Chappellet)
- 6D Trade (Trefethen)
- 6E Demographic Analysis, II (Martini)
- 6F Health, Regional Analysis and Policy (Sutter Home)

3:00–3:30 PM

Coffee Break (Fairway Deck)

(5:45 PM, Conference ends)



Wednesday, 8:00 – 9:00 AM (Buena Vista)
IGU Applied Geography Commission Meeting

Convenors:

Robert J. STIMSON, Univ. Queensland, Brisbane, Australia
 Kingsley E. HAYNES, George Mason Univ., Fairfax, VA, USA

Description: The purpose of the meeting is to brainstorm and plan joint sessions and activities to be held at future RSAI conferences. All interested persons are encouraged to attend!



Wednesday, 8:45 AM – 12:15 PM
 (Chandon)

Paper Session 5A ~ Environmental Impacts, II

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

8:45–9:30

Pricing strategies under emissions trading: An experimental analysis

Markus WRÅKE, Erica MYERS, Svante MANDELL, Charles HOLT, and Dallas BURTRAW, Swedish National Road and Transport Research Institute, Stockholm, Sweden

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

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

The effects of CO₂ emissions on transportation investments using a CGE model

Euijune KIM, Myoungsub CHOI, and Yujin BAE, Seoul National University, Korea

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

10:45–11:30

Estimating the carbon footprint of visitors: Assessing economic and environmental leakage

Makena COFFMAN and Denise E. KONAN, Univ. Hawaii, Manoa, USA

Discussant: Max MUNDAY, Univ. Cardiff, Wales, UK

11:30–12:15

Constructing a baseline input-output model with environmental accounts (IO_{EA})

Taelim CHOI, Georgia Institute of Technology, Atlanta, Randall W. JACKSON, West Virginia Univ., Morgantown, and Nancey Green LEIGH, Georgia Institute of Technology, Atlanta, USA

Discussant: Sudhir K. THAKUR, California State Univ., Sacramento, USA



Wednesday, 8:00 – 11:30 AM (Beringer)
Paper Session 5B ~ Regional Economic Development, II: Trends and Policies

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

8:00–8:45

California exports and the 2004 overseas office closings

Andrew J. CASSEY, Washington State Univ., Pullman, USA

Discussant: Run YU, Univ. Hawaii, Manoa, USA

8:45–9:30

Educational performance and spatial convergence in Peru

Maribel ELIAS and Sergio J. REY, Arizona State Univ., Tempe, USA

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

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

An empirical analysis of the access to water by indigenous municipalities in Mexico

Marcela GONZÁLEZ RIVAS, Cornell Univ., Ithaca, NY, USA

Discussant: Eric THOR, Arizona State Univ., Tempe, USA

10:45–11:30

Decline development and public intervention

Peter FRIEDRICH and Chang Woon NAM, Univ. Tartu, Estonia

Discussant: Young Ji PARK, Yonsei Univ., Seoul, Korea



Wednesday, 8:00 AM – 12:15 PM (Chappellet)
Paper Session 5C ~ Evolving Planning Constructs

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

8:00–8:45

Growth visioning and regional planning

Simon CHOI, Southern California Association of Governments, Los Angeles, and Hyunsun CHOI, Univ. North Florida, Jacksonville, USA

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

8:45–9:30

Regional development sustainability analysis concept

Janno REILJAN, Univ. Tartu, Estonia

Discussant: Rajrani KALRA, California State Univ., San Bernardino, USA

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

Planning for knowledge cities in ubiquitous technology spaces: Opportunities and challenges

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

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

10:45–11:30

Planning mindset for the intelligent city

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

Discussant: Jean-François FRENETTE, Univ. Québec, Canada

11:30–12:15

Groundbreaking 'planning schools': An innovation for developing regional human resources toward next generation in Japan

Yukio OGURI, Hidehiko KANAGAE, Akira KINOSHITA, Yoshinobu KUMATA, Tatsuro SAKANO, Masahiro SHIROTSUKI, Haruka SUZUKI, Nabuaki TAKAYAMA, Yumi NAKAGAWA, Yoshiro HIGANO, Akihiro MAGARA, Midori MIYAZAKI, and Daigo YUSHIDA, Chiba Univ. Commerce (and other institutions), Japan

Discussant: Janno REILJAN, Univ. Tartu, Estonia

Wednesday Morning Program continues on Page 14...



Wednesday, 8:00 AM – 12:15 PM (Trefethen)

Paper Session 5D ~

Urban Development and Policy, I

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

8:00–8:45

Coming undone: A spatial hazard analysis of urban form in American regions

John I. CARRUTHERS, Selma LEWIS, U.S. Department of Housing and Urban Development, Washington, D.C. and Univ. Maryland, College Park, Gerrit-Jan KNAAP, Univ. Maryland, College Park, and Robert N. RENNER, U.S. Department of Housing and Urban Development, Washington, D.C.

Discussant: Liv OSLAND, Stord/Haugesund Univ., Norway

8:45–9:30

Opportunity lost: Portland, Oregon urban growth boundary expansion rules

Philip J. RUDER, Pacific Univ., Forest Grove, OR, USA

Discussant: Don SHOUP, Univ. California, Los Angeles, USA

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

Strategic interaction among local governments revisited: The case of building permits

Ralph B. McLAUGHLIN, Univ. California, Irvine, USA

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

10:45–11:30

Gang injunctions and community participation: A case study of Oxnard, California

Eduardo MIRANDA and Harry W. RICHARDSON, Univ. Southern California, Los Angeles, USA

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

11:30–12:15

Urban competitiveness in Korea

Jong-Nyeo SEO, Kabsung KIM, and Jae Sik JEON, Yonsei Univ., Seoul, Korea

Discussant: Abukar WARSAME, Royal Institute of Technology, Stockholm, Sweden



Wednesday, 8:45 AM – 12:15 PM (Martini)

Paper Session 5E ~

New Takes on Classic Regional Science Topics

Chair: Borje JOHANSSON, Jönköping Univ., Sweden

8:45–9:30

Agglomeration economies and two contrasting transportation costs: Complementary and substitution perspectives

Daisuke NAKAMURA, Univ. Illinois, Urbana-Champaign, USA

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

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

Theory of endogenous institution and evidences from the in-depth field study in Indonesia

Iwan J. AZIS and Maria M. WIHARDJA, Cornell Univ., Ithaca, NY, USA

Discussant: Martin ANDERSSON, Jönköping International Business School, Stockholm, Sweden

10:45–11:30

Input-output analysis, linear programming, and modified multipliers

Erqian ZHU, Man-Keun KIM, and Thomas R. HARRIS, Univ. Nevada, Reno, USA

Discussant: Edward FESER, Univ. Illinois, Urbana-Champaign, USA

11:30–12:15

The economic implication of rising transport cost for a small open economy: A case study of Hawaii's vegetable sector

Run YU and PingSun LEUNG, Univ. Hawaii, Manoa, USA

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



Wednesday, 8:00 AM – 12:15 PM
(Sutter Home)

Paper Session 5F ~ Remote Regions, II:

Migration in Remote Regions, North and South

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

8:00–8:45

Age and gender structure of post-migration earnings: Evidence from northern Sweden

Olle WESTERLUND, Univ. Umeå, Sweden

Discussant: Scott GOLDSMITH, Univ. Alaska, Anchorage, USA

8:45–9:30

Migration in the most remote regions: Magadan and Chukotka

Tim HELENIAC, Univ. Maryland, College Park, USA

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

9:30–10:00, Coffee Break (Fairway Deck)

10:00–10:45

Gender and generation geographic and social mobility characteristics: The case of Greenland

Rasmus Ole RASMUSSEN, Nordregio, Stockholm, Sweden

Discussant: Diane HIRSHBERG, Univ. Alaska, Anchorage, USA

10:45–11:30

Measuring short term mobility among indigenous populations in remote Australia

John TAYLOR, Australian National Univ., Canberra, ACT, and Martin BELL, Univ. Queensland, Brisbane, Australia

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

11:30–12:15

Patterns of migration among the indigenous population of northern Alaska

Lee HUSKEY, Univ. Alaska, Anchorage, USA

Discussant: Lassi HEININEN, Univ. Lapland, Finland



Wednesday, 12:15 – 1:30 PM

Lunch Break (On your own this day)



Wednesday, 1:30 – 5:00 PM (Chandon)
**Paper Session 6A ~ Remote Regions, III:
 Economic Developments in the North**

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

1:30–2:15

The social and economic effects of oil and gas activities in the Arctic

Michael BAFFREY, US Dept. of the Interior, Alaska, USA

Discussant: Olle WESTERLUND, Univ. Umeå, Sweden

2:15–3:00

The economic history of an Alaska without oil: A Gedanken experiment

Scott GOLDSMITH, Univ. Alaska, Anchorage, USA

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

3:00–3:30, *Coffee Break (Fairway Deck)*

3:30–4:15

Caribou in the bio economy: Nunavut Inuit experiences with opting in

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

Discussant: John TAYLOR, Australian National University, Canberra, ACT

4:15–5:00

From periphery to world politics: The changing geo-politics of the North

Lassi HEININEN, Univ. Lapland, Finland

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



Wednesday, 1:30 – 5:00 PM (Beringer)
Paper Session 6B ~

Urban Development and Policy, II

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

1:30–2:15

Putting cities back on their feet

Donald SHOUP, Univ. California, Los Angeles, USA

Discussant: Ji-chung YANG, Seoul National Univ., Korea

2:15–3:00

Growth management, the market, and settlement change in Greater Seattle, 1990–2007

Richard L. MORRILL, Univ. Washington, Seattle, USA

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

3:00–3:30, *Coffee Break (Fairway Deck)*

3:30–4:15

The siting problem of the waste management facility in the city

Woohyung LEE, Kyushu Institute of Technology, Japan

Discussant: Sahuem HONG, Yonsei Univ., Seoul, Korea

4:15–5:00

Land development techniques to ensure basic urban services in the fringe: A case of Khulna, Bangladesh

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

Discussant: Jae Sik JEON, Yonsei Univ., Seoul, Korea



Wednesday, 1:30 – 4:15 PM (Chappellet)
**Paper Session 6C ~ Regional Economic
 Development, III: Studies on Europe**

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

1:30–2:15

Ten years of EU regional policy evaluation: What have we learnt?

Sandy DALL'ERBA, Univ. Arizona, Tucson, USA, Maria ABREU, Univ. Cambridge, England, and Henri L.F. DE GROOT, Free Univ., Amsterdam, The Netherlands

Discussant: Peter FRIEDRICH, Univ. Tartu, Estonia

2:15–3:00

Assessing the roles and performance of small and medium-sized towns with matching and mixture models

Michael J. KEANE and Eoghan GARVEY, National Univ. Ireland, Galway

Discussant: Michael WENZ, Winona State Univ., MN, USA

3:00–3:30, *Coffee Break (Fairway Deck)*

3:30–4:15

The impact of structural funds on EU regional growth: A local analysis

Julie LE GALLO, Université de Franche-Comté, Besançon, France, Sandy DALL'ERBA, Univ. Arizona, Tucson, USA, and Rachel GUILLAIN, Université de Bourgogne, Dijon, France

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



Wednesday, 1:30 – 4:15 PM (Trefethen)
Paper Session 6D ~ Trade

Chair: David C. HOLLAND, Washington State Univ., Pullman, USA

1:30–2:15

The economic effects of economic cooperation about Korea, China, and Japan

Young Ji PARK and Kabsung KIM, Yonsei Univ., Seoul, Korea

Discussant: Andi IRAWAN, Univ. Illinois, Urbana-Champaign, USA

2:15–3:00

Regional adaptation in a globally integrated economy

Michael C. CARROLL, Bowling Green State Univ., OH, and James R. STANFIELD, Colorado State Univ., Fort Collins, USA

Discussant: Johan EKLUND, Jönköping International Business School and RATIO, Stockholm, Sweden

3:00–3:30, *Coffee Break (Fairway Deck)*

3:30–4:15

Import of products and export innovation

Martin ANDERSSON, Lina BJERKE, and Charlie KARLSSON, Jönköping International Business School and Royal Institute of Technology, Stockholm, Sweden

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

Wednesday Afternoon Program continues on Page 16...





Wednesday, 1:30 – 5:45 PM (Martini)

Paper Session 6E ~ Demographic Analysis, II

Chair: Andrei ROGERS, Univ. Colorado, Boulder, USA

1:30–2:15

White flight in Los Angeles County, 1960–1990: A model of fuzzy tipping

Yiming WANG, Univ. Southern California, Los Angeles, USA

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

2:15–3:00

Universities, agglomerations and graduate human capital mobility

Alessandra FAGGIAN, Univ. Southampton, UK, and Philip McCANN, Univ. Waikato, New Zealand

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

3:00–3:30, Coffee Break (Fairway Deck)

3:30–4:15

Home is where heart is? An analysis of labour mobility among unemployed adolescents in Northern Sweden

Mikko MOILANEN, Univ. Tromsø, Norway

Discussant: Rachel S. FRANKLIN, Association of American Geographers, Washington, DC, USA

4:15–5:00

Residential segregation and tenure segmentation in metropolitan Stockholm

Ina BLIND, Univ. Uppsala, Sweden

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

5:00–5:45

The indirect estimation of migration: Methods for dealing with inaccurate data and missing data

Andrei ROGERS, Univ. Colorado, Boulder, USA

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



Wednesday, 1:30 – 5:00 PM (Sutter Home)

Paper Session 6F ~ Health, Regional Analysis and Policy

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

1:30–2:15

HMSA reimbursement of outpatient prescription drugs: Wholesale estimated 2006 acquisition cost (WAC) based formula reimbursement compared with average wholesale price (AWP) reimbursement

Thomas LOUDAT, TAL Associates, Kaneohe, HI, and Prahlad KASTURI, Radford Univ., Blacksburg, VA, USA

Discussant: Jayasree BASU, Agency for Healthcare Research and Quality, Rockville, MD, USA

2:15–3:00

Determinants of endoscopic colorectal cancer screening over time and place

Lee MOBLEY, Research Triangle Institute International, Raleigh, NC, May KUO, Matthew URATO, Nancy LOZANO

GRACIA, and Luc ANSELIN, Arizona State Univ., Tempe, USA

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

3:00–3:30, Coffee Break (Fairway Deck)

3:30–4:15

Entrepreneurship and social factors: The effect on health and employment

Johan KLAESSON, Jönköping International Business School, Stockholm, Sweden

Discussant: Ting ZHANG, Univ. Baltimore, MD, USA

4:15–5:00

Rural state public finance issues: Cost of conflicts and increasing state by state use of rural mediation centers

Eric THOR and Anastasia ALENTSEVA, Arizona State Univ., Tempe, USA

Discussant: Prahlad KASTURI, Radford Univ., Blacksburg, VA, USA



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Program Participant Locator

Session assignments are listed following each participant's name:

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

3A, 3B, 3C, 3D, 3E, 3F, 3G on Tuesday morning
4A, 4B, 4C, 4D, 4E, 4F, 4G on Tuesday afternoon

5A, 5B, 5C, 5D, 5E, 5F on Wednesday morning
6A, 6B, 6C, 6D, 6E, 6F on Wednesday afternoon

OS = Opening Session on Sunday afternoon

NE = NE-1029 Business Meeting on Monday morning
WB = WRSA Board Meeting on Monday afternoon

AB = Annual Banquet Luncheon on Tuesday

IGU = Applied Geography Business Meeting on Wed. morning

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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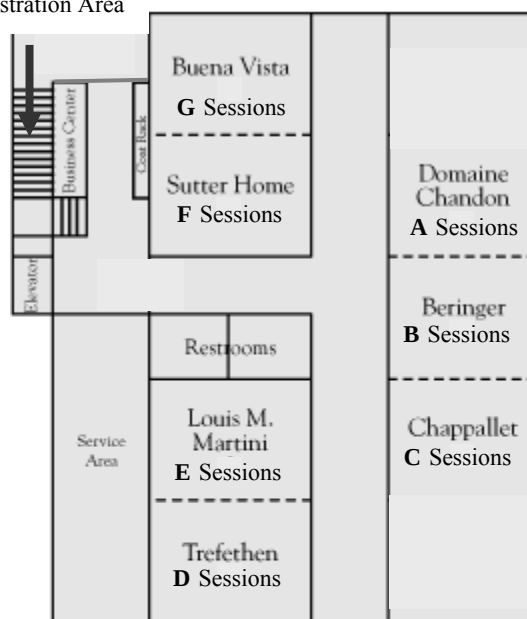
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