



Western Regional Science Association 51st Annual Meeting

The Sheraton Kauai, Poipu, Hawaii February 8 – 11, 2012

Aloha and welcome to the sunny shores of Poipu, Hawaii and to the 51st Annual Meeting of the Western Regional Science Association! We are happy to report that the need for 7:15 AM session starts has been avoided – less need to worry now about late-night networking keeping you out too late for the next morning's activities.

It is quite possible that there have been some late changes to the program since you last checked it online, so be sure to verify your session assignments here. Room locations are noted at the top of each session, and a map of the conference room area can be found on Page 24 of this Program. The Program Participant Locator (to be found on Pages 20–23) will help you find when and where you and your colleagues have been scheduled.

Please take a few minutes to (re)familiarize yourself with the information on Page 4, which explains how WRSA sessions are conducted.

As always, a number of events will be held during the conference. Please join us Wednesday at 3:30 PM in the Poipu Ballroom for the 2nd Annual Lay James Gibson Opening Plenary. This opening session will feature two local speakers from the University of Hawaii, Manoa and will be followed by our traditional Welcoming Reception, which will be held on the Beach Lawn. All accompanying persons are welcome to attend both opening plenary and reception! Meeting registrants (and those who have purchased extra Banquet and Reception tickets) may use the PINK ticket they received in registration packets for a first drink from the bar. Beverages are also available on a cash basis.

The Annual Banquet Luncheon will be held on Friday at 12:30 PM in the Garden Pavilion. Peter Gordon will give his Presidential Address then and this year's winners of the Tiebout and Springer Prizes will also be announced. Bring your YELLOW ticket in order to be seated for the luncheon. All luncheon attendees *must* have a ticket to be seated.

Finally, on Friday evening Peter Gordon will host the annual President's Reception on the Beach Lawn at 6 o'clock. Use your remaining ticket (BLUE) for a first drink. Thanks to the generous support of Peter, there will also be some hors d'oeuvres available and, of course, there'll be a cash bar for additional beverages.

Best wishes for a productive meeting and a wonderful stay here in Kauai! May the meeting be everything you hoped for and may you find some remaining free time to explore the island!



Wednesday, February 8

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

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

5:30 – 7:00 PM, **Welcoming Reception** (Beach Lawn)

Wednesday, 3:30 – 5:15 PM
Poipu Ballroom

The 2nd Annual Lay James Gibson Plenary Opening Session



Chair: Juanita C. LIU, Univ. Hawaii, Manoa, USA
and WRSA 45th President (2004–2005)

***Trouble in Paradise: The 2007–2009 Global Economic
Recession and Hawaii's Visitor Industry***
Daniel M. SPENCER, Univ. Hawaii, Manoa, USA

Climate Change, Energy and Agriculture in Hawaii
Makena COFFMAN, Univ. Hawaii, Manoa, USA



Wednesday, 5:30 – 7:00 PM
Beach Lawn

Welcoming Reception

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

The financial support of
The School of Travel Industry Management,
University of Hawaii is gratefully acknowledged!



Thursday, February 9

7:30 AM – 12:15 PM (and 1:15 – 6:00 PM),

Registration (Poipu Foyer)

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

- 1A Development & Service Provision in a Context of Change (Poipu I)
- 1B Methods and Applications in Regional Science (Poipu II)
- 1C The New Urban World: 'A Place 4 All' (Poipu III)
- 1D Water and Watershed Management (Koloa I)
- 1E Migration and Mobility (Koloa II)
- 1F Transportation I (Koloa III)

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

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

1:15 – 6:00 PM, **Registration Continues**

(Poipu Foyer)

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

- 2A Regional Policy and Development (Poipu I)
- 2B Amenities, Services, & Local Economic Impacts (Poipu II)
- 2C Rural Policy, Change, and Development (Poipu III)
- 2D Casinos, Gambling, & Economic Development (Koloa I)
- 2E Diversity and Segregation (Koloa II)
- 2F Transportation II Casinos, Gambling, and Economic Development (Koloa III)

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

3:30 – 5:00 PM, **WRSA Board Meeting** *By invitation only*
(Lawai I)



Thursday, 8:00 – 11:30 AM

Paper Session 1A ~ Poipu I

Development & Service Provision in a Context of Change

Chair: Gary TOMPKINS, Univ. Regina, Canada

8:00–8:45

Spatial analysis of population decline: Firm delocation in a linear market

Asao ANDO, Tohoku Univ., Japan

Discussant: Fredrik KOPSCH, Royal Inst. Technology, Stockholm, Sweden

8:45–9:30

Treat the Earth: Natural environment, fertility, and government in an overlapping generations economy

Kouji KITaura, Tezukayama Univ., Tohru NAITO, Univ.

Tokushima, and Tatsuya OMORI, Mie Chukyo Univ., Japan

Discussant: Deokho CHO, Daegu Univ., Korea

9:30–10:00, *Coffee Break*

10:00–10:45

Restructuring Japan's rust belt: The case of Muroran, Hokkaido

David W. EDGINGTON, Univ. British Columbia, Canada

Discussant: Yuheng LI, Royal Inst. Technology, Stockholm, Sweden

10:45–11:30

Do more economic development incentives result in more jobs?

An examination of the influence of the economic development

incentives environment on county jobs in the U.S., 1970-2000

Carlianne PATRICK, Ohio State Univ., Columbus, USA

Discussant: Rafael GONZÁLEZ-VAL, Univ. Barcelona, Spain



Thursday 8:00 AM – 12:15 PM

Paper Session 1B ~ Poipu II

Methods and Applications in Regional Science

Chair: Euijune KIM, Seoul National Univ., Korea

8:00–8:45

Regional science and spatial optimization

Alan T. MURRAY, Arizona State Univ., Tempe, and Daoqin

TONG, Univ. Arizona, Tucson, USA

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

8:45–9:30

Vector assignment ordered median problem: A unified median problem

Ting L. LEI and Richard L. CHURCH, Univ. California, Santa

Barbara, USA

Discussant: Takahisa YOKOI, Tohoku Univ., Japan

9:30–10:00, *Coffee Break*

10:00–10:45

Whack-a-mole? Policing strategy and spatial analysis of murders in an urban killing zone

C. Daniel VENCILL, San Francisco State Univ., and Mary P.

VENCILL, Berkeley Policy Associates, California, USA

Discussant: Andy KRAUSE, Univ. Washington, Seattle, USA

10:45–11:30

Exploratory space-time analysis of burglary patterns

Sergio J. REY, Elizabeth A. MACK, and Julia KOSCHINSKY,

Arizona State Univ., Tempe, USA

Discussant: Yang XIAO, Cardiff Univ., United Kingdom

11:30–12:15

Spatial effects on crime incidence in Seoul metropolitan area, Korea

SeongWoo LEE and HyunJoong KIM, Seoul National Univ.,

Korea

Discussant: Mary P. VENCILL, Berkeley Policy Associates, California, USA





Thursday, 8:00 AM – 12:15 PM

Panel Session 1C ~ Poipu III

The New Urban World: 'A Place 4 All'

Organizers: Peter NIJKAMP and Karima KOURTIT, VU Univ., Amsterdam, The Netherlands, and Mark PARTRIDGE, Ohio State Univ., Columbus, USA

'The WRSA Symphony of Urban Voices'

Opening Address: Urban Voices Unlimited

Peter NIJKAMP, VU University, Amsterdam, The Netherlands

Chair: Karima KOURTIT, VU University, Amsterdam, The Netherlands

Urban Voices from America:

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

Urban Voices from Ecology:

Henk FOLMER, Univ. Groningen, The Netherlands

Urban Voices from Planning:

Ryohei NAKAMURA, Okayama Univ., Japan

Urban Voices from Europe:

Jouke VAN DIJK, Univ. Groningen, The Netherlands

Urban Voices from Asia:

Hiroyuki SHIBUSAWA, Toyohashi Univ. Technology, Japan

Urban Voices from Economics:

Hans WESTLUND, Royal Inst. Technology, Stockholm, and Jönköping International Business School, Sweden

Urban Voices from Transportation:

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

Urban Voices from Policy:

Hans LÖÖF, Royal Inst. Technology, Stockholm, Sweden

9:30–10:00, Coffee Break

A World Voice

Janet KOHLHASE, University Houston, TX, USA

'Pros and Cons' Voices

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

Statement 1: "I'd rather wake up in the middle of nowhere than in any city on earth" (Steve McQueen)

Gordon MULLIGAN, Univ. of Arizona, Tucson, USA

Statement 2: "Cities have always been the fireplace of civilization, where light and heat radiated out into the dark"

(Theodore Parker)

Peter NIJKAMP, VU University, Amsterdam, The Netherlands

WRSA Referendum 'The New Urban World'

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

The Voice Panel: 'If I ruled the world, I would

Alessandra FAGGIAN, Ohio State Univ., Columbus, USA

Björn HÅRSMAN, Royal Inst. Technology, Stockholm, Sweden

Michael CARROLL, Bowling Green State Univ., Ohio, USA

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

John I. CARRUTHERS, George Washington Univ., USA

General Discussion: 'Why.....?'

His Master's Voice

Genevieve GIULIANO, Univ. Southern California, USA

The Last Word

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



Thursday, 8:00 AM – 12:15 PM

Paper Session 1D ~ Koloa I

Water and Watershed Management

Chair: Philip G. KING, San Francisco State Univ., California, USA

8:00–8:45

Evaluation of watershed management policies for both improving water quality and reducing greenhouse gas emissions in Dianchi Lake, China

Hong LI, National Institute Advanced Industrial Science and Technology, Japan, Jianchao LUO, Northwest A&F Univ., China, and Yoshiro HIGANO, Univ. Tsukuba, Japan

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

8:45–9:30

The economics of the regional water footprint

Elizabeth FADALI, Univ. Nevada, Reno, USA

Discussant: Bernard L. WEINSTEIN, Southern Methodist Univ., Dallas, Texas, USA

9:30–10:00, Coffee Break

10:00–10:45

The willingness to pay for piped water in urban Indonesia

Yusep SUPARMAN, Univ. Padjadjaran, Indonesia, Henk FOLMER, Groningen Univ., and Johan H.L. OUD, Radboud Univ. Nijmegen, The Netherlands

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

10:45–11:30

The model analysis for environmental and economic evaluation of the activities in the Bohai Sea Basin

Katsuhiko SAKURAI, Rishsho Univ., Shintaro KOBAYASHI, Japan International Research Center for Agricultural Sciences, Susumu UCHIDA, National Agriculture and Food Research Organization, and Hiroyuki SHIBUSAWA, Toyohashi Univ. of Technology, Japan

Discussant: Thomas FOULKE, Univ. Wyoming, USA

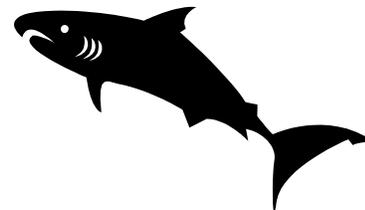
11:30–12:15

Analyzing interregional virtual water trade in Korea in a multi-regional input-output model framework

Donghwan AN, Brian H.S. KIM, Kwansoo KIM, and Chanyoung YANG, Seoul National Univ., Korea

Discussant: Jan OOSTERHAVEN, Univ. Groningen, The Netherlands

Thursday morning program continues on page 4...





Thursday, 8:00 AM – 12:15 PM
Paper Session 1E ~ Koloa II
Migration and Mobility

Chair: Bruce NEWBOLD, McMaster Univ., Hamilton, Canada
 8:00–8:45

Developing a multilevel multiregional social account matrix (MSAM) for Southern California

JiYoung PARK, Univ. Buffalo, New York, USA

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

8:45–9:30

Does migration always lead to spatial equilibrium? The issue of discounting

Samia ISLAM, Boise State Univ., Idaho, and Frank GOETZKE, Univ. Louisville, Kentucky, USA

Discussant: JiYoung PARK, Univ. Buffalo, New York, USA
 9:30–10:00, *Coffee Break*

10:00–10:45

The long-run effects of location-specific amenities on internal U.S. migration

Michael J. GREENWOOD and Jesse SEXTON, Univ. Colorado, Boulder, USA

Discussant: William SANDER, DePaul Univ., Chicago, Illinois

10:45–11:30

Commuting behavior in a middle city: The case of Obregon, Mexico

Liz Ileana RODRÍGUEZ-GÁMEZ and Daoqin TONG, Univ. Arizona, Tucson, USA

Discussant: Jonathan CORCORAN, Univ. Queensland, Brisbane, Australia

11:30–12:15

Gender differences in valuing commuting time and partner's income – Evidence from a household study on subjective health in Sweden

Kandice Kreamer FULTS, Royal Inst. Technology, Gunnar ISACSSON, Swedish National Road and Transport Research Inst., and Anders KARLSTRÖM, Royal Inst. Technology, Stockholm, Sweden

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

Notes on Session Format and Etiquette

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



Thursday, 8:00 – 11:30 AM
Paper Session 1F ~ Koloa III
Transportation I

Chair: Qisheng PAN, Texas Southern Univ., Houston, USA
 8:00–8:45

Telecommuting as an accommodation to growth – Testing metropolitan area size differences of the impact of telecommuting on personal travel

Pengyu ZHU, Boise State Univ., Idaho, USA

Discussant: Jinhyun HONG, Univ. Washington, Seattle, USA

8:45–9:30

A generalized computational framework for accessibility: From the pedestrian to the metropolitan scale

Fletcher FOTI and Paul WADDELL, Univ. California, Berkeley, USA, and Dennis LUXEN, Karlsruhe Inst. Technology, Germany

Discussant: Bumsoo LEE, Univ. Illinois, Urbana-Champaign, USA

9:30–10:00, *Coffee Break*

10:00–10:45

Taxicabs for improved urban mobility: Are we missing an opportunity?

David A. KING, Columbia Univ., New York, Jonathan R. PETERS, College of Staten Island, City Univ. New York, and Matthew W. DAUS, City Univ. New York, USA

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

10:45–11:30

Bicyclists' exposure to air pollution in Seattle: A hybrid analysis using personal monitoring and land use regression

E-Sok Andy HONG, Univ. Southern California, Los Angeles, and C.-H. Christine BAE, Univ. Washington, Seattle, USA

Discussant: Kiyomi KAWAMOTO, Hokkaido Univ. of Education, Japan



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





Thursday, 1:30 – 5:00 PM

Paper Session 2A ~ Poipu I

Regional Policy and Development

Chair: Mats JOHANSSON, Royal Inst. Technology,
Stockholm, Sweden

1:30–2:15

Roles of policy entrepreneurs in local development of municipal contact centers – A time-spatial analysis of the impact of policy entrepreneurs

Irene BERNHARD, Royal Inst. Technology, Stockholm, and Elin WILHBORG, Linköping Univ., Sweden

Discussant: Miriam MARCÉN, Univ. Zaragoza, Spain

2:15–3:00

Regional economic development, federal spending and spillover effects

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

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

3:00–3:30, Coffee Break

3:30–4:15

How important is geographical agglomeration to factory efficiency in Japan's manufacturing sector?

Kyoji FUKAO and Victoria KRAVTSOVA, Hitotsubashi Univ., Tokyo, and Kentaro NAKAJIMA, Tohoku Univ., Japan

Discussant: Ana I. MORENO-MONROY, Univ. Groningen, The Netherlands

4:15–5:00

Regional policy – Institutional settings, evolutionary development and the role of RDAS: A small country perspective

Michael STEINER and Matthias SCHELNAST, Univ. Graz, Austria

Discussant: Rune Dahl FITJAR, International Research Inst., Stavanger, Norway



Thursday, 1:30 – 5:45 PM

Paper Session 2B ~ Poipu II

Amenities, Services, and Local Economic Impacts

Chair: Jim LIGHTBODY, Univ. Alberta, Canada

1:30–2:15

Understanding the economic benefits of trails on residential property values in the presence of spatial dependence

Rainer VOM HOFE, Univ. Cincinnati, Ohio, USA

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

2:15–3:00

The impacts of light rail on residential property values: A new test on the Houston METRORail transit line

Qisheng PAN, Texas Southern Univ., Houston, USA

Discussant: Arnab CHAKRABORTY, Univ. Illinois, Urbana-Champaign, USA

3:00–3:30, Coffee Break



3:30–4:15

Do art galleries contribute to neighborhood transformations?

Jenny SCHUETZ, Univ. Southern California, Los Angeles, USA
Discussant: Gordon F. MULLIGAN, Univ. Arizona, Tucson, USA

4:15–5:00

A partial observability spatial bivariate probit with application to the decision to integrate school services

David M. BRASINGTON and Olivier PARENT, Univ.

Cincinnati, Ohio, USA

Discussant: James P. LeSAGE, Texas State Univ., San Marcos, USA

5:00–5:45

An economic analysis of the illegal dumping and recycling of garbage

Hirofumi FUKUYAMA, Kagoshima Univ., Japan

Discussant: Folke SNICKARS, Royal Inst. Technology, Stockholm, Sweden



Thursday, 1:30 – 5:45 PM

Paper Session 2C ~ Poipu III

Rural Policy, Change, and Development

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

1:30–2:15

Modeling the economic effect from rural investment in broadband

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

Discussant: Karima KOURTIT, VU Univ., Amsterdam, The Netherlands

2:15–3:00

What type of social capital in rural areas? The case of French "Poles d'Excellence Rurale" (PER) and U.S. rural knowledge clusters (RKC)

Ion Lucian CEAPRAZ, Polytechnic Inst. LaSalle Beauvais, France

Discussant: Hans WESTLUND, Royal Inst. Technology, Stockholm, and Jönköping International Business School, Sweden

3:00–3:30, Coffee Break

3:30–4:15

Rural household income in China: Spatial-temporal disparity and its interpretation

Yuheng LI, Royal Inst. Technology, Stockholm, Sweden

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

4:15–5:00

Study on the launch of farmland reverse mortgage for the welfare of the rural elderly in South Korea – Establishment of monthly payment plan and risk analysis

Byungkyu KIM, Changwhan YEO, and Deokho CHO, Daegu Univ., Korea

Discussant: Dilini HEMACHANDRA, Univ. Hawaii, Manoa, USA

5:00–5:45

Rural development and gender issues on the U.S. southern border

Eric P. THOR, Gladys CANANI, and Laura GARCIA, Arizona State Univ., Tempe, USA

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

Thursday afternoon program continues on page 6...



Thursday, 1:30 – 4:15 PM

Paper Session 2D ~ Koloa I

Casinos, Gambling, and Economic Development

Organizer: Michael WENZ, Northeastern Illinois Univ., USA

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

1:30–2:15

Distributed harms? A national predictive trade-area model for Australian casinos

Francis MARKHAM, Menzies School Health Research, Bruce DORAN, Australian National Univ., and Martin YOUNG, Southern Cross Univ., Australia

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

2:15–3:00

Expectations and outcomes of the spatial effects of casino development: The case of Columbus, Ohio

Greg OVERBERG and Ron McCHESNEY, Three Scale Strategy and Research, Columbus, Ohio, USA

Discussant: Michael WENZ, Northeastern Illinois Univ., USA

3:00–3:30, Coffee Break

3:30–4:15

What should we ask next about casino gambling and economic development?

Michael WENZ, Northeastern Illinois Univ., USA

Discussant: Daniel M. SPENCER, Univ. Hawaii, Manoa, USA



Thursday, 1:30 – 4:15 PM

Paper Session 2E ~ Koloa II

Diversity and Segregation

Chair: Tüzin BAYCAN, Istanbul Technical Univ., Turkey

1:30–2:15

Racial diversity and academic performance in elementary schools: Fixed effects and random effects

Don MAR, San Francisco State Univ., California, USA

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

2:15–3:00

Koreans and Koreatowns in urban America: Spatial evidence of segmented social assimilation

Hyunsun CHOI, Myongji Univ., Korea, and Seong-Youn CHOI, Southern California Association of Governments, Los Angeles, USA

Discussant: Tüzin BAYCAN, Istanbul Technical Univ., Turkey

3:00–3:30, Coffee Break

3:30–4:15

Racial/Ethnic intermixing in intra-urban space and socio-economic context: Columbus, Ohio and Milwaukee, Wisconsin

Madhuri SHARMA, Univ. Tennessee, Knoxville, and Lawrence A. BROWN, Ohio State Univ., Columbus, USA

Discussant: Samia ISLAM, Boise State Univ., Idaho



Thursday, 1:30 – 5:45 PM

Paper Session 2F ~ Koloa III

Transportation II

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

1:30–2:15

Exploring the methods of estimating Vehicle Miles of Travel

Hsi-Hwa HU, Simon CHOI, and Frank WEN, Southern California Association of Governments, and Gerard WALTERS and Christopher J. GRAY, Fehr & Peers Transportation Consultants, Los Angeles, USA

Discussant: Asao ANDO, Tohoku Univ., Japan

2:15–3:00

More cars but fewer people: Parking requirements and population density in Los Angeles and New York

Michael MANVILLE, Cornell Univ., Ithaca, New York, Alex BEATA, Chicago Metropolitan Agency for Planning, Illinois, and Donald SHOUP, Univ. California, Los Angeles, USA

Discussant: David A. KING, Columbia Univ., New York, USA

3:00–3:30, Coffee Break

3:30–4:15

A structural analysis of the regional environmental consciousness of streetcar users depending on streetcar service level

Kiyomi KAWAMOTO, Hokkaido Univ. of Education, Japan

Discussant: Pengyu ZHU, Boise State Univ., Idaho, USA

4:15–5:00

Spatial structure and transport energy in Korea

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

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

5:00–5:45

Built environment, time-constraint, and physical activity: Path analysis, Los Angeles County

YongJin AHN, Univ. Southern California, Los Angeles, USA

Discussant: Hui WANG, Zhejiang Univ., China



Thursday, 3:30 – 5:00 PM

WRSA Board Meeting

(By invitation only)

Lawai I

Convenor: Rachel Franklin, Brown Univ.
and WRSA Executive Director



Friday, February 10

7:30 AM – 12:15 PM (and 2:15 – 6:00 PM),

Registration (Poipu Foyer)

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

- 3A Trade Across and Within Regions (Poipu I)
- 3B Clusters & Spatial Variation in Economic Activity (Poipu II)
- 3C Perspectives on Human Capital (Poipu III)
- 3D Methods in Regional Science I (Koloa I)
- 3E Air Emissions and Quality (Koloa II)
- 3F *The Annals of Regional Science*: Special WRSA 50th Anniversary Session (Koloa III)
- 3G Remote Regions I: Population Research in the Circumpolar North (Lawai I)

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

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

(Garden Pavilion)

2:15 – 6:00 PM, **Registration Continues** (Poipu Foyer)

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

- 4A Demographic Change, Labor Markets, and Service Provision (Poipu I)
- 4B Economic Growth and Regional Disparities (Poipu II)
- 4C Urban Structures and Hierarchies (Poipu III)
- 4D Methods in Regional Science II (Koloa I)
- 4E Greenhouse Gas Emissions, Mitigation, and Climate Adaptation (Koloa II)
- 4F Fiscal Instruments (Koloa III)

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

6:00 – 7:30 PM, **President's Reception** (Beach Lawn)



Friday, 8:00 AM – 12:15 PM

Paper Session 3A ~ Poipu I

Trade Across and Within Regions

Chair: Jitendra PARAJULI, George Mason, Univ.,
Arlington, Virginia, USA

8:00–8:45

How the economic interdependence of the Portland metro core and its relatively rural periphery trade area changed from 1982 to 2006

Paul LEWIN, Oregon State Univ., Corvallis, David HOLLAND, Washington State Univ., Pullman, and Bruce SORTE and Bruce WEBER, Oregon State Univ., Corvallis, USA

Discussant: Francis MARKHAM, Menzies School Health Research, Australia

8:45–9:30

Can local farms survive globalization? The case of Hawaii

Shawn ARITA, Dilini HEMACHANDRA, and PingSun LEUNG, Univ. Hawaii, Manoa, USA

Discussant: Martin YOUNG, Southern Cross Univ., Australia

9:30–10:00, *Coffee Break*

10:00–10:45

The agglomeration of exporters by destination

Andrew J. CASSEY, Washington State Univ., Pullman, and Katherine N. SCHMEISER, Mt. Holyoke College, South Hadley, Massachusetts, USA

Discussant: Jitendra PARAJULI, George Mason, Univ.,
Arlington, Virginia, USA

10:45–11:30

Visit and buy: An empirical analysis on tourism and exports

Anna Maria PINNA, Univ. Cagliari, Italy

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

11:30–12:15

Unilateral linking of international aviation and stationary sources within the EU emissions trading scheme

Fredrik KOPPSCH, Royal Inst. Technology, Stockholm, Sweden

Discussant: Nancey Green LEIGH, Georgia Inst.
Technology, USA



Friday, 8:00 AM – 12:15 PM

Paper Session 3B ~ Poipu II

Clusters and Spatial Variation in Economic Activity

Chair: Hiroyuki SHIBUSAWA, Toyohashi Univ.
Technology, Japan

8:00–8:45

Assessing the success of an industrial cluster

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

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

8:45–9:30

Intra-metropolitan clustering of formal and informal manufacturing activity: Evidence from Cali, Colombia

Gustavo A. GARCÍA, Autonomous Univ. Barcelona, Spain, and Ana I. MORENO-MONROY and Erica L. GÓMEZ, Univ.

Groningen, The Netherlands

Discussant: Carlianne PATRICK, Ohio State Univ.,
Columbus, USA

9:30–10:00, *Coffee Break*

10:00–10:45

Geographic determinants of high-tech employment growth in U.S. counties

Belal FALLAH, Palestine Polytechnic Univ., Palestine, Mark D. PARTRIDGE, Ohio State Univ., Columbus, and Dan S.

RICKMAN, Oklahoma State Univ., Stillwater, USA

Discussant: Therese NORMAN, Jönköping International
Business School, Sweden

10:45–11:30

A spatial variation of business climate for business start-ups in Korea

Junghoon KI and Nick FOBIH, Myongji Univ., Seoul, and Kunesook HUR, Gyeongnam Univ. Science and Technology, Jinju, Korea

Discussant: Mats WILHELMSSON, Royal Inst. Technology,
Stockholm, Sweden

11:30–12:15

Patents, spillovers and productivity

Hans LÖÖF and Pardis NABAVI, Royal Inst. Technology, Stockholm, Sweden

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

Friday morning program continues on page 8...



Friday, 8:00 AM – 12:15 PM
Paper Session 3C ~ Poipu III
Perspectives on Human Capital

Chair: Hiroshi SAKAMOTO, ICSEAD, Japan

8:00–8:45

Evaluating the effects of federal policy changes on human capital: The role of a graduate visa scheme

Alessandra FAGGIAN, Ohio State Univ., Columbus, USA, and Jonathan CORCORAN and Francisco ROWE, Univ. Queensland, Brisbane, Australia

Discussant: Svante MANDELL, Royal Inst. Technology, Stockholm, Sweden

8:45–9:30

The creative class: Do jobs follow people or do people follow jobs?

Stein ØSTBYE and Mikko MOILANEN, Tromsø Univ., Norway, and Hannu TERVO, Jyväskylä Univ., Finland, and Olle WESTERLUND, Umeå Univ., Sweden

Discussant: Özge ÖNER, Jönköping International Business School, Sweden

9:30–10:00, Coffee Break

10:00–10:45

Human capital and the location of work: A continued economic role for central cities?

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

Discussant: Anders KARLSTRÖM, Royal Inst. Technology, Stockholm, Sweden

10:45–11:30

Startups and local social capital in the municipalities of Sweden

Hans WESTLUND, Royal Inst. Technology and Jönköping International Business School, Johan P. LARSSON, Jönköping International Business School, and Amy Rader OLSSON, Royal Inst. Technology, Stockholm, Sweden

Discussant: Alessandra FAGGIAN, Ohio State Univ., Columbus, USA

11:30–12:15

Human capital spillovers in Dutch cities: Consumption or productivity?

Viktor A. VENHORST, Univ. Groningen, The Netherlands

Discussant: Amanda WEINSTEIN, Ohio State Univ., Columbus, USA



Friday, 8:00 AM – 12:15 PM
Paper Session 3D ~ Koloa I
Methods in Regional Science I

Chair: Henk FOLMER, Groningen Univ., The Netherlands

8:00–8:45

Forecasting based on common trends in mixed frequency samples

Peter FULEKY, Univ. Hawaii, and Carl S. BONHAM, Univ. Hawaii, Manoa, USA

Discussant: Jesse BULL, Florida International Univ., Miami, USA

8:45–9:30

On the estimation of random effects spatial panel data models

Gianfranco PIRAS, West Virginia Univ., Morgantown, USA

Discussant: Henk FOLMER, Groningen Univ., The Netherlands

9:30–10:00, Coffee Break

10:00–10:45

Nonlinear spatial dependency in spatial autoregressive models

Takahisa YOKOI, Tohoku Univ., Japan

Discussant: Gianfranco PIRAS, West Virginia Univ., Morgantown, USA

10:45–11:30

The biggest myth in spatial econometrics

James P. LeSAGE, Texas State Univ., San Marcos, and R. Kelley PACE, Louisiana State Univ., Baton Rouge, USA

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

11:30–12:15

Expanding GWR: Exploring an N-dimensional locally weighted regression technique for home price estimation

Andy KRAUSE, Univ. Washington, Seattle, USA

Discussant: Rainer VOM HOFE, Univ. Cincinnati, Ohio, USA



Friday, 8:00 AM – 12:15 PM
Paper Session 3E ~ Koloa II
Air Emissions and Quality

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

8:00–8:45

The proposed EPA air quality rules: Weakening the Nation's economic recovery and putting America's most competitive industries at risk

Bernard L. WEINSTEIN, Southern Methodist Univ., Dallas, Texas, USA

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

8:45–9:30

Network-based simulation of air pollution emissions associated with truck operations

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

Discussant: Taelim CHOI, Georgia Inst. Technology, USA

9:30–10:00, Coffee Break

10:00–10:45

Motivations for voluntary regulation: The clean air action plan

Genevieve GIULIANO, Univ. Southern California, and Alison LINDER, Southern California Association of Governments, Los Angeles, USA

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

10:45–11:30

Regional economic effects of CO₂ reduction activity by wooden biomass: An application and extension of a regional input-output model

Ryohei NAKAMURA, Okayama Univ., Junji NAKAZAWA, Kochi Univ., and Akira MATSUMOTO, EX Corporation, Japan

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

11:30–12:15

Structural change in the Chicago region and the impact on emission inventories in a continuous time modeling approach

Soo Jung HA, Univ. Illinois, Urbana-Champaign, Kieran DONAGHY, Cornell Univ., Ithaca, New York, and Clifford R. WYMER and Geoffrey J.D. HEWINGS, Univ. Illinois, Urbana-Champaign, USA

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



Friday, 8:00 AM – 12:15 PM
Panel Session 3F ~ Koloa III
The Annals of Regional Science:
Special WRSA 50th Anniversary Session

Chair and Organizer: Janet E. KOHLHASE,
 Univ. Houston, Texas, USA

Cities in Western Europe and the United States: Do policy differences matter?

Peter GORDON, Univ. Southern California, Los Angeles, USA
 and Wendell COX, Conservatoire National des Arts et Métiers,
 Paris, France

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

High performers in complex spatial systems: A self-organizing mapping approach with reference to The Netherlands

Karima KOURTIT, VU Univ., Amsterdam, The Netherlands,
 Daniel ARRIBAS-BEL, Arizona State Univ., Tempe, and Peter
 NIJKAMP, Free Univ., Amsterdam, The Netherlands

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

Local spatial heteroscedasticity (LOSH)

J. Keith ORD, Georgetown Univ., Washington, DC, and Arthur
 GETIS, San Diego State Univ., California, USA

Discussant: Daoqin TONG, Univ. Arizona, Tucson, USA
 9:30–10:00, Coffee Break

Migration and regional science: Opportunities and challenges in a changing environment

Bruce NEWBOLD, McMaster Univ., Hamilton, Canada

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

New housing supply elasticity in Australia: A comparison of dwelling types

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

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

Central place theory and its reemergence in regional science

Gordon F. MULLIGAN, Univ. Arizona, Tucson, Mark
 PARTRIDGE, Ohio State Univ., Columbus, and John I.
 CARRUTHERS, George Washington Univ., Washington, DC,
 USA

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



Friday, 8:00 AM – 12:15 PM
Paper Session 3G ~ Lawai I
Remote Regions I:

Population Research in the Circumpolar North

Chair: Scott GOLDSMITH, Univ. Alaska, Anchorage, USA
 8:00–8:45

Mobility and gender: regional consequences of differences in mobility preferences in Greenland

Rasmus Ole RASMUSSEN, Nordregio, Sweden

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

8:45–9:30

The challenge of indigenous demography

Peter SKÖLD, Umeå Univ., Sweden

Discussant: Robert MIKOL, Univ. Alaska, Fairbanks, USA
 9:30–10:00, Coffee Break

10:00–10:45

Comparing migration decisions of Inuit people in Canada and Alaska

Matt BERMAN, Univ. Alaska, Anchorage, USA

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

10:45–11:30

What we learned: policy lessons from the study of migration in the circumpolar north

Lee HUSKEY, Univ. Alaska, Anchorage, USA

Discussant: Lassi HEININEN, Univ. Lapland, Finland

11:30–12:15

Aluminum smelter in Greenland: aspects of the potential demographic and social consequences

Klaus Georg HANSEN, Nordregio, Sweden

Discussant: David YESNER, Univ. Alaska, Anchorage, USA

Luncheon and Friday afternoon program on page 10...



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*.

Two of the three coeditors, Euijune Kim and Janet Kohlhase, are here at the Hawaii meeting and will be happy to discuss potential submissions.



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

Garden Pavilion

(For all registered and paid participants; tickets required)

Chair: Geoffrey J.D. HEWINGS,
 48th WRSa President (2007–2008)

Announcements:

Rachel S. FRANKLIN, WRSa Executive Director

The 16th Annual Springer-Verlag Prize

Presented by:

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

The 26th Charles M. Tiebout Prize

Presented by: David W. HOLLAND,
 50th WRSa President (2009–2010)
 and Chair, 2011–2012 Reading Committee

Presidential Address: Thinking about economic growth
 Peter GORDON, 53rd WRSa President (2012–2013)

Discussant:

Peter NIJKAMP, VU Univ., Amsterdam, The Netherlands



Friday, 2:30 – 5:45 PM
Paper Session 4A ~ Poipu I
**Demographic Change, Labor Markets,
 and Service Provision**

Chair: Joanna MOSS, San Francisco State Univ., California, USA
 2:30–3:15

Increasing life expectancy and housing price: How does the housing price link to the demographic transition?

Yongping LIU, Ole Jonny KLAKEGG, Marit Støre VALEN, and
 Lizhen HUANG, Norwegian Univ. Science and Technology,
 Norway

Discussant: Junghoon KI, Myongji Univ., Seoul, Korea
 3:15–4:00

Reurbanism or bigger burbs: The implications of demographic change for housing markets

Christopher BITTER and Andy KRAUSE, Univ. Washington,
 Seattle, USA

Discussant: Yongping LIU, Norwegian Univ. Science and
 Technology, Norway

4:00–4:15, Coffee Break

4:15–5:00

European urban-rural relations: A multi-faceted concept

Mats JOHANSSON and Daniel RAUHUT, Royal Inst.

Technology, Stockholm, Sweden

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

5:00–5:45

Gender-specific dynamics in working hours

Inge NOBACK, Univ. Groningen, The Netherlands

Discussant: Stein ØSTBYE, Tromsø Univ., Norway

Previous Tiebout Prize Winners

This year marks the 26th year of the Tiebout Prize. The Prize is awarded to the best paper submitted by a graduate student. The winner receives \$1,000 to help defray the costs associated with attending the conference.

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

- 25th, 2011:** Pengyu Zhu, University of Southern California
24th, 2010: Colleen Donovan, University of California, Berkeley
23rd, 2009: Yiming Wang, University of Southern California
22nd, 2008: Haifeng Qian, George Mason University
21st, 2007: Michael Wenz, Winona State University
20th, 2006: Rocco R. Huang, The University of Amsterdam, The Netherlands
19th, 2005: Shaoming Chen, George Mason University
18th, 2004: Sandy Dall'Erba, Université de Pau, France
17th, 2003: Co-winners:
 Chokri Dridi, University of Illinois, Urbana-Champaign
 Bhanu Yerra, University of Minnesota
16th, 2002: Tracy Gordon, University of California, Berkeley
15th, 2001: Brian Mikelbank, Ohio State University
14th, 2000: Arno van der Vlist, Free University of Amsterdam
13th, 1999: Kara Kockelman, University of Texas, Austin
12th, 1998: Alexander C. Vias, University of Arizona
11th, 1997: Co-winners:
 Seong Woo Lee, University of Southern California
 Woo Suk Zhee, University of Southern California
10th, 1996: Steven P. Raphael, University of California, Berkeley
9th, 1995: David M. Levinson, University of California, Berkeley
8th, 1994: Ricardo Gazel, University of Illinois
7th, 1993: Co-winners:
 Hsin-Ping Chen, University of California, Irvine
 Alastair McFarlane, University of Michigan
6th, 1992: Henry Buist, University of Pennsylvania
5th, 1991: Katherine M. O'Regan, University of California, Berkeley
4th, 1990: T. Wong, University of Manitoba
3rd, 1989: Scott Campbell, University of California, Berkeley
2nd, 1988: Stephen J. Appold, University of North Carolina
1st, 1987: Timothy J. Fik, University of Arizona



Friday, 2:30 – 5:45 PM
Paper Session 4B ~ Poipu II
Economic Growth and Regional Disparities
 Chair: Koichi MERA, Univ. Southern California,
 Los Angeles, USA

2:30–3:15

The contribution to economic growth by human capital: The comparison among BRICs

Sumire KOBAYASHI and Kimiko UNO, Tokyo Univ. Foreign Studies, Japan

Discussant: Amy C. ALEXANDER, Leuphana Univ., Lüneburg, Germany

3:15–4:00

The regional distribution of wage equity adjustments in eight Quebecois universities

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

Discussant: Michael WENZ, Northeastern Illinois Univ., USA

4:00–4:15, *Coffee Break*

4:15–5:00

Comparative analysis of regional economic development

Xinyue YE, Bowling Green State Univ., Ohio, USA

Discussant: Irene BERNHARD, Royal Inst. Technology, Stockholm, Sweden

5:00–5:45

Hawaii USA: Extreme heritage management – The practice and policies of densely populated islands

Luciano MINERBI, Univ. Hawaii, Manoa, USA

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



Friday, 2:30 – 5:45 PM
Paper Session 4C ~ Poipu III
Urban Structures and Hierarchies

Chair: Lanlan WANG, Central Univ. Finance and Economics,
 Beijing, China

2:30–3:15

Exploration on the differentiated urban-rural integration strategy for counties (cities) in the mountain area: Taking Macheng, Hubei Province as the example

Lingyun LIU and Yaping HUANG, Huazhong Univ. Science and Technology, Wuhan, China

Discussant: YongJin AHN, Univ. Southern California, Los Angeles, USA

3:15–4:00

The rise and fall of urban employment centers: The case of Seoul metropolitan region, Korea, 1995-2005

Jae Ik KIM, Keimyung Univ., Myung-Jin JUN, Chung-Ang Univ., Jin-Hwi KWON, Keimyung Univ., Ji-Euni CHUNG, Chung-Ang Univ., and Justin T. MITCHELL, Korea

Discussant: SeongWoo LEE, Seoul National Univ., Korea

4:00–4:15, *Coffee Break*



4:15–5:00

Employment centers and the changing structure of cities

Steven G. CRAIG, Janet E. KOHLHASE, and Adam PERDUE,
 Univ. Houston, Texas, USA

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

5:00–5:45

Polycentric urban structure and agglomeration economies in consumption and production

Bumsoo LEE and Sungwon LEE, Univ. Illinois, Urbana-Champaign, USA

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



Friday, 2:30 – 5:45 PM
Paper Session 4D ~ Koloa I
Methods in Regional Science II

Chair: Richard L. CHURCH, Univ. California, Santa Barbara, USA

2:30–3:15

Third-party budget breakers and side contracting in team production

Jesse BULL, Florida International Univ., Miami, USA

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

3:15–4:00

Input-output analysis: New technologies and extended time horizons

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

Discussant: Jan OOSTERHAVEN, Univ. Groningen, The Netherlands

4:00–4:15, *Coffee Break*

4:15–5:00

Economic impacts of hybrid and electric vehicles in Japan and China: Multi-regional input-output application

Hiroyuki SHIBUSAWA and Zhang XU, Toyohashi Univ. Technology, Japan

Discussant: Donghwan AN, Seoul National Univ., Korea

5:00–5:45

Measuring the EU value added embodied in EU foreign exports by a consolidation of 27 national supply and use tables for 2000-2007

Maaik C. BOUWMEESTER and Jan OOSTERHAVEN, Univ. Groningen, The Netherlands, and José M. RUEDA-CANTUCHE, European Commission and Pablo de Olavide Univ., Seville, Spain

Discussant: Peter FULEKY, Univ. Hawaii, Manoa, USA

Friday afternoon program continues on page 12...





Friday, 2:30 – 5:45 PM
Paper Session 4E ~ Koloa II
Greenhouse Gas Emissions, Mitigation,
and Climate Adaptation

Chair: Matthias RUTH, Univ. Maryland, College Park, USA
 2:30–3:15

The economic costs of sea-level rise to California beach communities

Philip G. KING, Aaron R. MCGREGOR, and Justin D. WHITTET, San Francisco State Univ., California, USA
 Discussant: Russell J. DALTON, Univ. California, Irvine, USA

3:15–4:00

Impact of climate change on agricultural adaptation across U.S. counties: A local spatial analysis

Sandy DALL'ERBA, Francina DOMINGUEZ, and Yolande SERRA, Univ. Arizona, Tucson, USA

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

4:00–4:15, *Coffee Break*

4:15–5:00

Dynamic modeling of regional climate adaptation needs and options: Application to Germany's Northwest metropolitan region

Matthias RUTH, Andrew BLOHM, and Rebecca GASPER, Univ. Maryland, College Park, USA, and Nana KARLSTETTER, Univ. Oldenburg, Jakob WACHSMUTH, Univ. Bremen, Marina BEERMANN, Univ. Oldenburg, Tobias EICKEMEIER and Stefan GÖBLING-REISEMANN, Univ. Bremen, and Marion AKAMP, Univ. Oldenburg, Germany

Discussant: Hong LI, National Institute Advanced Industrial Science and Technology, Japan

5:00–5:45

Economic impacts of the ARkStorm scenario

Ian Sue WING, Boston Univ., Massachusetts, Adam ROSE, Univ. Southern California, Los Angeles, and Anne WEIN, U.S. Geological Survey, USA

Discussant: Elizabeth FADALI, Univ. Nevada, Reno, USA



Friday, 2:30 – 5:45 PM
Paper Session 4F ~ Koloa III
Fiscal Instruments

Chair: Timothy HOGAN, Arizona State Univ., Tempe, USA
 2:30–3:15

Do national economic shocks influence ECB decision-making? The impact of the financial and sovereign debt crises

Florence BOUVET, Sonoma State Univ., California, and Sharmila KING, Univ. of the Pacific, California, USA

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

3:15–4:00

Can currency appreciation rebalance the economy through services in China?

Selin ÖZYURT and Gabor PULA, European Central Bank, Frankfurt, Germany

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

4:00–4:15, *Coffee Break*

4:15–5:00

Economic impact of proposed tax reductions in Kansas

John D. WONG, Univ. North Texas, Dallas, USA

Discussant: Gary TOMPKINS, Univ. Regina, Canada

5:00–5:45

Fiscal spending jobs multipliers: Evidence from the 2009 American Recovery and Reinvestment Act

Daniel J. WILSON, Federal Reserve Bank of San Francisco, California, USA

Discussant: Hans LÖÖF, Royal Inst. Technology, Stockholm, Sweden



Friday, 6:00 – 7:30 PM
 Beach Lawn

President's Reception

Hosted by:

Peter GORDON

53rd WRSA President (2012 – 2013)

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





Saturday, February 11

7:30 AM – 12:15 PM, **Registration** (Poipu Foyer)

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

- 5A Energy and the Environment (Poipu I)
- 5B Service Provision and Local Development (Poipu II)
- 5C Income and Wages: Convergence and Persisting Disparities (Poipu III)
- 5D Entrepreneurship (Koloa I)
- 5E The Keith Schwer Memorial Western States Economic Outlook (Koloa II)
- 5F Land Use and Urban Change (Koloa III)
- 5G Remote Regions II: Economic Development in the North (Lawai I)
- 5H Special Session on Planning in China (organized by IACP) (Lawai II)

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

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

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

- 6A Institutional Roles in Innovation (Poipu I)
- 6B Infrastructures (Poipu II)
- 6C Valuation and Management of Fisheries (Poipu III)
- 6D Property Markets (Koloa I)
- 6E Regional Development & Economic Growth (Koloa II)
- 6F Demographic Behavior, Labor Markets, and Economic Performance (Koloa III)
- 6G Land Use Policy (Lawai I)

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

(5:45 PM, End of Conference)



Saturday, 8:00 AM – 12:15 PM Paper Session 5A ~ Poipu I Energy and the Environment

Chair: Kristy WALLMO, NOAA Fisheries, Silver Spring, Maryland, USA

8:00–8:45

Determinants of ambitions to mitigate greenhouse gas emissions by institutions of higher education

Sean WILLIAMSON and Matthias RUTH, Univ. Maryland, College Park, USA

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

8:45–9:30

An integrated top-down and bottom-up analysis of wind energy

Makena COFFMAN, Paul BERNSTEIN, and James GRIFFIN, Univ. Hawaii, Manoa, USA

Discussant: Ryohei NAKAMURA, Okayama Univ., Japan

9:30–10:00, **Coffee Break**

10:00–10:45

A case study in habitat equivalency analysis: The Pacific Connector gas pipeline

David T. TAYLOR and Thomas FOULKE, Univ. Wyoming, and Archie REEVE, Edge Environmental, Inc., USA

Discussant: Daniel K. LEW, National Marine Fisheries Service, Alaska, USA

10:45–11:30

Theorizing growth of recycling industry under extended producer responsibility: Case study of carpet in a metro region

Nancey Green LEIGH and Taelim CHOI, Georgia Inst. Technology, USA

Discussant: Katsuhiko SAKURAI, Rissho Univ., Japan

11:30–12:15

Contextual influences on three dimensions of environmental activism

Russell J. DALTON, Univ. California, Irvine, USA

Discussant: Sean WILLIAMSON, Univ. Maryland, College Park, USA



Saturday, 8:00 AM – 12:15 PM

Paper Session 5B ~ Poipu II

Service Provision and Local Development

Chair: Selin ÖZYURT, European Central Bank, Frankfurt, Germany

8:00–8:45

Measuring political entrepreneurship: An empirical study of Swedish municipalities

Amy Rader OLSSON, Royal Inst. Technology, Stockholm, and Hans WESTLUND, Royal Inst. Technology, Stockholm, and Jönköping International Business School, Sweden

Discussant: Anna Maria PINNA, Univ. Cagliari, Italy

8:45–9:30

Have Dutch municipalities become more efficient in managing the costs of social assistance dependency?

Lourens BROERSMA, Arjen EDZES, and Jouke VAN DIJK, Univ. Groningen, The Netherlands

Discussant: Amy Rader OLSSON, Royal Inst. Technology, Stockholm, Sweden

9:30–10:00, **Coffee Break**

10:00–10:45

A Canadian city-region: Collective public goods and suburbs as free riders

Jim LIGHTBODY, Univ. Alberta, Canada

Discussant: Fletcher FOTI, Univ. California, Berkeley, USA

10:45–11:30

Economic outcomes of community support of tourist attractions: A case study

Daniel M. SPENCER, Univ. Hawaii, Manoa, and Christian NSIAH, Black Hills State Univ., South Dakota, USA

Discussant: Sonia SOUSA, George Mason Univ., Arlington, Virginia, USA

11:30–12:15

Public finance crisis conflicts, development and related issues: Reduction in cost of conflicts and increasing state-by-state use of rural mediation centers

Eric THOR, Phil STILES, and Janet WERTSCH, Arizona State Univ., Tempe, USA

Discussant: David W. EDGINGTON, Univ. British Columbia, Canada

Saturday morning program continues on page 14...



Saturday, 8:00 – 10:45 AM
Paper Session 5C ~ Poipu III

**Income and Wages:
Convergence and Persisting Disparities**

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

8:00–8:45

Income disparity among cities in China: Evidence and future prospects

Hiroshi SAKAMOTO, ICSEAD, Japan

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

8:45–9:30

Determinants of the wage premium in retail and wholesale sectors in Sweden: An empirical analysis using Swedish microdata

Therese NORMAN and Özge ÖNER, Jönköping International Business School, Sweden

Discussant: Kang-Rae MA, Chung-Ang Univ., Korea

9:30–10:00, *Coffee Break*

10:00–10:45

Rising inequality in an era of austerity: The case of the USA

Amanda WEINSTEIN and Mark PARTRIDGE, Ohio State Univ., Columbus, USA

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



Saturday, 8:00 AM – 12:15 PM
Paper Session 5D ~ Koloa I

Entrepreneurship

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

8:00–8:45

Entrepreneurship and arts related education

Björn HÅRSMAN, Royal Inst. Technology, Stockholm, Sweden

Discussant: Hyunsun CHOI, Myongji Univ., Korea

8:45–9:30

The entry and success of entrepreneurial migrants in China

Hui WANG, Zhejiang Univ., and Lanlan WANG, Central Univ. Finance and Economics, Beijing, China

Discussant: Viktor A. VENHORST, Univ. Groningen, The Netherlands

9:30–10:00, *Coffee Break*



10:00–10:45

Self-employment, immigrants and culture

Miriam MARCÉN, Univ. Zaragoza, Spain

Discussant: Giovanni SULIS, Univ. Cagliari, Italy

10:45–11:30

Disaggregating density: A knowledge spillover analysis using geo-coded data

Johan P. LARSSON, Jönköping International Business School, Sweden

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

11:30–12:15

Innovation, entrepreneurship, and regional economic outcomes: Empirical test of recent theoretical propositions

Alexandra TSVETKOVA, Univ. North Carolina, Charlotte, USA

Discussant: Michael STEINER, Univ. Graz, Austria



Saturday, 8:00 AM – 12:15 PM

Panel Session 5E ~ Koloa II

The Keith Schwer Memorial

Western States Economic Outlook

(Cosponsored by AUBER)

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

Western States Overview

Timothy HOGAN, Arizona State Univ., Tempe, USA

Arizona

Timothy HOGAN, Arizona State Univ., Tempe, USA

California

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

Hawaii

Carl BONHAM, Univ. Hawaii, Manoa, USA

9:30–10:00, *Coffee Break*

Montana

Paul POLZIN, Univ., Montana, Missoula, USA

Nevada

Stephen BROWN, Univ. Nevada, Las Vegas, USA

Washington

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



Saturday, 8:00 AM – 12:15 PM

Paper Session 5F ~ Koloa III

Land Use and Urban Change

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

8:00–8:45

An integrated model of formal and informal housing sectors

Eric J. HEIKKILA and Michael C.Y. LIN, Univ. Southern California, Los Angeles, USA

Discussant: Peter FRIEDRICH, Univ. Tartu, Estonia

8:45–9:00

The changing urban landscape of the United States

Nikhil KAZA, Univ. North Carolina, Chapel Hill, USA

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

9:30–10:00, *Coffee Break*

10:00–10:45

The creative class or proximity to larger metropolitan centers: Which factor better explains economic success?

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

Discussant: Don MAR, San Francisco State Univ., California, USA

10:45–11:30

Patterns in U.S. urban growth (1790–2000)

Rafael GONZÁLEZ-VAL, Univ. Barcelona, and Luis LANASPA, Univ. Zaragoza, Spain

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

11:30–12:15

Economic geography, jobs, and regulations: The value of land and housing

Nils KOK, Maastricht Univ., The Netherlands, Paavo MONKKONEN, Univ. Hong Kong, China, and John M. QUIGLEY, Univ. California, Berkeley, USA

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



Saturday, 8:00 AM – 12:15 PM
Paper Session 5G ~ Lawai I

Remote Regions II:

Economic Development in the North

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

8:00–8:45

Managing extractive resource wealth for sustainability: opportunities and challenges for Alaska

Scott GOLDSMITH, Univ. Alaska, Anchorage, USA

Discussant: Lassi HEININEN, Univ. Lapland, Finland

8:45–9:30

Mitigating food security vulnerabilities in the circumpolar north through the use of renewable energy and greenhouse agriculture

Robert MIKOL, Craig GERLACH, Phillip LORING, Univ. Alaska, Fairbanks, USA

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

9:30–10:00, Coffee Break

10:00–10:45

Will it soon be time to play taps for TAPS?: The declining flow of the Trans Alaska Pipeline System

Greg PROTASEL, Univ. Alaska, Anchorage, USA

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

10:45–11:30

Foundations and transformations of Dena'ina identity in Cook Inlet Region, Alaska

David YESNER, Univ. Alaska, Anchorage and Fran SEAGER-BOSS, Matanuska Borough, Alaska, USA

Discussant: Peter SKÖLD, Umeå Univ., Sweden

11:30–12:15

Arctic strategies and state policies: A comparative study and analysis

Lassi HEININEN, Univ. Lapland, Finland

Discussant: Matt BERMAN, Univ. Alaska, Anchorage, USA



Saturday, 8:00 AM – 12:15 PM

Paper Session 5H ~ Lawai II

**Special Session on Planning in China
(organized by IACP)**

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

Regional development in China in the era of high-speed rail: local expectations, efforts and evidence

Ming ZHANG, Univ. Texas, Austin, USA, and Guoen WANG and Zhengdong HUANG, Wuhan Univ., China

Discussant: Haixiao PAN, Tongji Univ., Shanghai, China

Commuting mode choice of residents in suburban metro station areas: Insights from Shanghai

Haixiao PAN, Tongji Univ., Shanghai, China, Qing SHEN, Univ. Washington, Seattle, USA, and Ting ZHAO, Tongji Univ., Shanghai, China

Discussant: Ming ZHANG, Univ. Texas, Austin, USA

Regional demand in facility location

Daoqin TONG, Univ. Arizona, Tucson, Fang REN, Redlands Univ., California, and Mei-Po KWAN, Ohio State Univ., Columbus, USA

Discussant: Hui LIN, Chinese Univ. of Hong Kong, China

9:30–10:00, Coffee Break

A study on CVGE prototype for emergency response on air pollution accident

Hui LIN, Mingyuan HU, Weitao CHE, and Chunxiao ZHANG, Chinese Univ. of Hong Kong, China

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

Vacant properties and neighborhoods: An agent-based simulation of property owner's responses to amenities and disamenities

Li YIN and Robert SILVERMAN, Univ. Utah, Salt Lake City, USA

Discussant: Nan WANG, Tongji Univ., Shanghai, China

Regional landscape architecture strategies in multi-layers in response to rapid urbanization in arid area of Loess Plateau

Nan WANG and Binyi LIU, Tongji Univ., Shanghai, China

Discussant: Li YIN, Univ. Utah, Salt Lake City, USA



Saturday, 12:15 – 1:30 PM

Lunch Break (On your own this day)





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Saturday, 1:30 – 5:00 PM

Paper Session 6A ~ Poipu I

Institutional Roles in Innovation

Chair: Bruce A. WRIGHT, Univ. Arizona, Tucson, USA

1:30–2:15

Firm collaboration and modes of innovation in Norway

Rune Dahl FITJAR, International Research Inst., Stavanger, Norway and Univ. California, Los Angeles, USA, and Andrés RODRÍGUEZ-POSE, London School of Economics, United Kingdom

Discussant: Björn HÅRSMAN, Royal Inst. Technology, Stockholm, Sweden

2:15–3:00

Scenario studies in university strategy for regional development

– With application to the Stockholm region

Folke SNICKARS, Royal Inst. Technology, Stockholm, Sweden

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

3:00–3:30, *Coffee Break*

3:30–4:15

Rethinking the basic/nonbasic components of the university research park employment microcluster

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

Discussant: Esmael ADIBI, Chapman Univ., Orange, California, USA

4:15–5:00

A university center model for knowledge-based development: A case of translational research and practice using intelligent development

Kenneth E. COREY, Rex L. LaMORE, Graham L. PIERCE, Mark I. WILSON, John MELCHER, John H. SCHWEITZER, and J.D. SNYDER, Michigan State Univ., East Lansing, USA

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



Saturday, 1:30 – 5:45 PM

Paper Session 6B ~ Poipu II

Infrastructures

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

1:30–2:15

Economic development at general aviation airports: A review of case studies from Texas

Terry L. CLOWER, Univ. North Texas, Denton, USA

Discussant: Joanna MOSS, San Francisco State Univ., California, USA

2:15–3:00

Highway investments and financing: A financial CGE model

Euijune KIM, Seoul National Univ., Yujin BAE, Korea Research Inst. for Human Settlements, and Younghyun KWON and Jaehyun SHIM, Seoul National Univ., Korea

Discussant: John D. WONG, Univ. North Texas, Dallas, USA

3:00–3:30, *Coffee Break*

3:30–4:15

A pitfall of private participation in infrastructure: A case of power service in developing countries

Jun KOO, Gyon-Soo YOON, and Injae HWANG, Korea Univ., and Sudeshna Gosh BARNERJEE, World Bank

Discussant: Ron McCHESNEY, Three Scale Strategy and Research, Columbus, Ohio, USA

4:15–5:00

Constructing a simulation model to assess the vulnerability of the supply chain network

Kenichi ISHIBASHI, Nagoya Sangyo Univ., and Shinichi TSUBURAYA, Mitsubishi Heavy Industries, Ltd., Japan

Discussant: Injae HWANG, Korea Univ., Korea

5:00–5:45

Patterns of broadband efficiency in the U.S.

Jitendra PARAJULI and Kingsley E. HAYNES, George Mason Univ., Arlington, Virginia, USA

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



Saturday, 1:30 – 5:45 PM

Paper Session 6C ~ Poipu III***Valuation and Management of Fisheries***

Chair: Chang K. SEUNG, National Marine Fisheries Service, Seattle, Washington

1:30–2:15

A travel cost model with consistent consumer time horizons, endogenous time value, and follow-on sites

Donn JOHNSON, Quinnipiac Univ., Hamden, Connecticut, USA

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

2:15–3:00

The value of recovering threatened and endangered marine species: A multi-species choice experiment

Kristy WALLMO, NOAA Fisheries, Silver Spring, Maryland, and Daniel K. LEW, National Marine Fisheries Service, Alaska, USA

Discussant: Chang K. SEUNG, National Marine Fisheries Service, Seattle, Washington

3:00–3:30, Coffee Break

3:30–4:15

A regional comparison of environmental values and attitudes towards marine protected areas in the Northeast U.S.

Rosemary KOSAKA, NOAA Fisheries, Santa Cruz, California, and Kristy WALLMO, NOAA Fisheries, Silver Spring, Maryland, USA

Discussant: Russell J. DALTON, Univ. California, Irvine, USA

4:15–5:00

Preferences and values for fish released and fish kept in southeast and southcentral Alaska's marine sport fisheries: Results from a stated preference study

Daniel K. LEW, National Marine Fisheries Service, Alaska, and Douglas M. LARSON, Univ. California, Davis, USA

Discussant: Rosemary KOSAKA, NOAA Fisheries, Santa Cruz, California, USA

5:00–5:45

Economic impacts of Alaska fisheries: A multiregional computable general equilibrium (MRCGE) analysis

Chang K. SEUNG, National Marine Fisheries Service, Seattle, Washington, and Edward C. WATERS, Private Consultant

Discussant: Donn JOHNSON, Quinnipiac Univ., Hamden, Connecticut, USA



Saturday, 1:30 – 5:00 PM

Paper Session 6D ~ Koloa I***Property Markets***

Chair: Christopher BITTER, Univ. Washington, Seattle, USA

1:30–2:15

The effects of zoning on housing foreclosures: Exploring a new link to the subprime mortgage crisis

Arnab CHAKRABORTY, Robert H. BOYER, and Dustin ALLRED, Univ. Illinois, Urbana-Champaign, USA

Discussant: Jenny SCHUETZ, Univ. Southern California, Los Angeles, USA

2:15–3:00

Race, redlining, and subprime loan pricing

Andra C. GHENT, Baruch College, New York, and Rubén HERNÁNDEZ-MURILLO and Michael T. OWYANG, Federal Reserve Bank of St. Louis, Missouri, USA

Discussant: Christopher BITTER, Univ. Washington, Seattle, USA

3:00–3:30, Coffee Break

3:30–4:15

Financial infrastructure and house prices

Svante MANDELL and Mats WILHELMSSON, Royal Inst. Technology, Stockholm, Sweden

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

4:15–5:00

Identification of housing submarkets by urban configurational features

Yang XIAO, Chris WEBSTER, and Scott ORFORD, Cardiff Univ., United Kingdom

Discussant: Alexandra TSVETKOVA, Univ. North Carolina, Charlotte, USA

It's never too early to think about the next WRSA meeting...

WRSA's 52nd Annual Meeting will be held at the Fess Parker Doubletree Resort in Santa Barbara, California, from February 24 – 27, 2013. Santa Barbara lies about ninety miles north of Los Angeles and is perfectly situated for visiting wine country, relaxing along the beach, history-related sightseeing...and, of course, academic discourse. For this meeting, we have negotiated a really excellent room rate of \$185 (single or double, plus applicable taxes) per night.

Mark the dates on your calendar and remember WRSA's traditional October 15 paper submission deadline. Note that next year's meeting will be on a "Sunday – Wednesday" schedule, with the 3rd Annual Jay James Gibson Opening Plenary and a welcoming reception scheduled for Sunday afternoon, and three full days of sessions on Monday, Tuesday, and Wednesday.

Further details will be forthcoming over the next several months via *Newsletter*, listserv, and website. We hope to see you there!

Saturday afternoon program continues on page 18...



Saturday, 1:30 – 5:45 PM

Paper Session 6E ~ Koloa II

Regional Development and Economic Growth

Chair: Stephen BROWN, Univ. Nevada, Las Vegas, USA

1:30–2:15

The migration-development nexus: New perspectives and challenges

Tüzün BAYCAN, Istanbul Technical Univ., Turkey, and Peter NIJKAMP, VU Univ., Amsterdam, The Netherlands

Discussant: Christian WELZEL, Leuphana Univ., Lüneburg, Germany

2:15–3:00

Temperate-rainy-navigable: Geographical conditions and human empowerment

Christian WELZEL and Amy C. ALEXANDER, Leuphana Univ., Lüneburg, Germany

Discussant: Luciano MINERBI, Univ. Hawaii, Manoa, USA

3:00–3:30, Coffee Break

3:30–4:15

The regional economic value of entrepreneurship: A new approach to the linkage between entrepreneurship and regional development

Sonia SOUSA, George Mason Univ., Arlington, Virginia, USA

Discussant: Pardis NABAVI, Royal Inst. Technology, Stockholm, Sweden

4:15–5:00

Legal title, tenure security and investment: An empirical study in Beijing

Lanlan WANG, Central Univ. Finance and Economics, Beijing, and Tieshan SUN, Peking Univ., and Sheng LI, Central Univ. Finance and Economics, Beijing, China

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

5:00–5:45

Start-ups, local milieu and global markets

Hans LÖÖF and Pardis NABAVI, Royal Inst. Technology, Stockholm, Sweden

Discussant: Sharmila KING, Univ. of the Pacific, California, USA



Saturday, 1:30 – 5:45 PM

Paper Session 6F ~ Koloa III

Demographic Behavior, Labor Markets, and Economic Performance

Chair: Jack OSMAN, San Francisco State Univ., California, USA

1:30–2:15

Human capital, employment protection and growth in Europe

Maurizio CONTI, Univ. Genova, and Giovanni SULIS, Univ. Cagliari, Italy

Discussant: Ion Lucian CEAPRAZ, Polytechnic Inst. LaSalle Beauvais, France

2:15–3:00

The age and spatial structures of Mexican and Indonesian migration: Description and estimation of interregional flows

James RAYMER, Univ. Southampton, United Kingdom, and Andrei ROGERS, Univ. Colorado, Boulder, USA

Discussant: Nikhil KAZA, Univ. North Carolina, Chapel Hill, USA

3:00–3:30, Coffee Break

3:30–4:15

Accessibility to socio-economic information, and economic and psychological hardship for foreign residents in Korea

Seong-Kyu HA, Myung-Jin JUN, and Kang-Rae MA, Chung-Ang Univ., Korea

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

4:15–5:00

Modeling the demographic characteristics of small area populations

Simon CHOI and SungHo RYU, Southern California Association of Governments, Los Angeles, USA

Discussant: Inge NOBACK, Univ. Groningen, The Netherlands

5:00–5:45

The Hoover index of population concentration and the demographic components of change: A paper in memory of Andy Isserman

Peter A. ROGERSON, Univ. Buffalo, New York, and David A. PLANE, Univ. Arizona, Tucson, USA

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



Saturday, 1:30 – 5:00 PM

Paper Session 6G ~ Lawai I

Land Use Policy

Chair: John I. CARRUTHERS, George Washington Univ., USA

1:30–2:15

Multilevel analysis of land use, VMT, and auto ownership

Jinhyun HONG, Univ. Washington, Seattle, USA

Discussant: Johan P. LARSSON, Jönköping International Business School, Sweden

2:15–3:00

Innovation-oriented land-use policy at the sub-national level: Case study Germany

Peter FRIEDRICH, Univ. Tartu, Estonia, and Chang Woon NAM, Univ. Applied Management, Erding, Germany

Discussant: Victoria KRAVTSOVA, Hitotsubashi Univ., Tokyo, Japan

3:00–3:30, Coffee Break

3:30–4:15

Measuring the effects of the greenbelt policy on the spatial distribution of population and employment: The case of Seoul metropolitan area

Myung Jin JUN, Chung-Ang Univ., Jae Ik KIM and Jin-Hwi KWON, Keimyung Univ., and Ji-Eun JEONG, Hee-Jae KIM, and Graham PUGH, Chung-Ang Univ., Korea

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

4:15–5:00

Do smart growth principles reduce job-housing distance? The case of Seoul metropolitan region, Korea

Jae Ik KIM and Jin-Hwi KWON, Keimyung Univ., Daegu, Korea

Discussant: Hsi-Hwa HU, Southern California Association of Governments, Los Angeles, USA



(Conference ends at 5:45 PM)



The 53 WRSA Presidents

Notes:

| | | |
|------------------|-----------|------------------------|
| 1 st | 1960–1961 | William Golder |
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| 23 rd | 1982–1983 | Sol Rabin |
| 24 th | 1983–1984 | Robert Keyes |
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| 37 th | 1996–1997 | Jon R. Miller |
| 38 th | 1997–1998 | Jack C. Stabler |
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| 42 nd | 2001–2002 | Brenda Moscove |
| 43 rd | 2002–2003 | Roger Stough |
| 44 th | 2003–2004 | Koichi Mera |
| 45 th | 2004–2005 | Juanita Liu |
| 46 th | 2005–2006 | Lee Huskey |
| 47 th | 2006–2007 | Jack W. Osman |
| 48 th | 2007–2008 | Geoffrey J. D. Hewings |
| 49 th | 2008–2009 | T. John Kim |
| 50 th | 2009–2010 | David W. Holland |
| 51 st | 2010–2011 | Robert J. Stimson |
| 52 nd | 2011–2012 | Warren Gill |
| 53 rd | 2012–2013 | Peter Gordon |



Program Participant Locator

Session assignments are listed following each participant's name:

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

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

5A, 5B, 5C, 5D, 5E, 5F, 5G, 5H on Saturday Morning
6A, 6B, 6C, 6D, 6E, 6F, 6G on Saturday Afternoon

OS = Opening Session on Wednesday Afternoon

WB = WRSa Board Meeting on Thursday Afternoon

AL = Annual Banquet Luncheon on Friday

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

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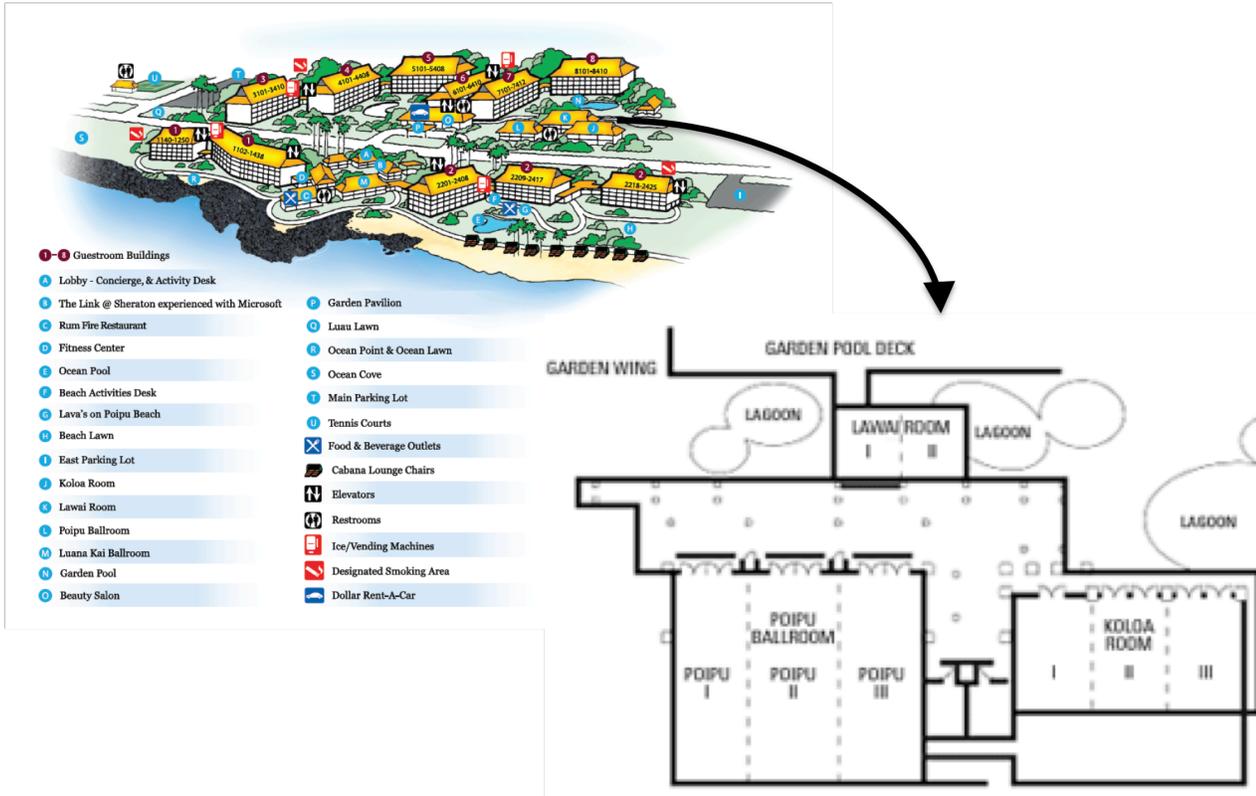
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