Eastern Regional Science Association
Program

43rd Annual Meeting of the Western Regional Science Association
Wailea Marriott ~ Maui, Hawaii ~ February 25–28, 2004

Aloha! Welcome to Maui, to the Wailea Marriott, An Outrigger Resort, and to WRSA’s 43rd Annual Meeting.

There may have been some changes since you last checked the Preliminary Program on the Association’s website. So please check the timing as well as the locations of the sessions in which you are involved or that you wish to attend.

The Program Participant Locator, found on Pages 19–22, should help you find when and where you and others are scheduled.

The floor maps on Page 23 show the location of the sessions. The box on Page 4 contains information about the time format of the sessions.

This year’s Annual Meeting includes a number of special features. The conference will formally open on Wednesday afternoon, at 4:00 PM, in the Maile Ballroom. Clifford J. Na‘e‘ole will give a traditional Opening Oli (Native Hawaiian chant). He will then present a short lecture on the cultural landscape of Maui. Juanita Liu’s Presidential Address will follow on the theme: “The Value of Culture in Regions.”

The Welcoming Reception will be held immediately after the Opening Session on the (rooftop) Pacific Terrace. All full-conference registrants and those for whom a Banquet and Receptions ticket packet have been purchased may use their BLUE tickets for drinks from the bar. Drinks will, in addition, be available on a cash-bar basis. Everybody – all accompanying persons – are very much welcome to attend the Opening Session and Welcoming Reception!

The Annual Luncheon Banquet on Friday at 12:15 PM in the Maile Ballroom will feature the presentation ceremonies for the Springer-Verlag and Tiebout Prizes. Please bring your YELLOW ticket to be seated. Accompanying persons attending the Luncheon must have purchased tickets to attend this event.

On Friday evening beginning at 5:30 PM, Juanita Liu will host the President’s Reception, featuring Hawaiian music and some appetizers, compliments of the School of Tourism Management, University of Hawaii. Again, everyone is welcome at this function – use the GREEN tickets for first drinks.

File copies of the papers being presented are available for perusal at our registration table. Extra blank transparencies and markers are also available.

Best wishes for a productive and stimulating conference, a restorative stay at the Wailea Marriott, and a memorable visit to the Island of Maui.

Tuesday, February 24

12:00 – 5:30 PM
Pre-Conference Luncheon and Seminar
(Lokelani Ballroom)

5:00 – 8:00 PM
Wailea Marriott Luau (Luau Grounds)

Tuesday, 12:00 – 5:30 PM
Pre-Conference Seminar ~ Lokelani Ballroom
University Research Parks:
Current Landscape and Emerging Trends
(Requires Separate Preregistration and Additional Fee)
Organizers: Lay J. GIBSON and Bruce A. WRIGHT, Univ. Arizona, Tucson, USA
Moderator: Lay J. GIBSON, Univ. Arizona, Tucson, USA

Research Parks as an Element of Regional Real Estate
Charles DILKS, Dilks Consulting, Philadelphia, PA, USA

Role of Research Parks in Technology Innovation and Commercialization
Vernon GEORGE, Hammer Siler George Associates, Silver Springs, MD, USA

Research Parks as an Expression of University Economic Development
Bruce A. WRIGHT, Assoc. Vice President, Univ. Arizona, Tucson, USA

EDA University Research Park Effectiveness Study
Michael I. LUGER, Univ. North Carolina, Chapel Hill, USA
Tuesday, February 26

7:45 AM – 12:00 PM
Registration (Kukui Terrace)

8:30 AM – 12:00 PM
W-1133 Presentations, I (Plumeria)

8:30 AM – 12:00 PM
Six Concurrent Paper Sessions:
1A, 1B, 1C, 1D, 1E, 1F

10:00 – 10:30 AM
Coffee Break (Pavilion Lanai)

Lunch
(On your own this day)

1:00 – 7:15 PM
Registration continues (Kukui Terrace)

1:30 – 3:00 PM
W-1133 Presentations, II (Plumeria)

1:30 – 5:00 PM
Five Concurrent Paper Sessions:
2A, 2B, 2C, 2D, 2E

1:30 – 3:00 PM
Panel Session 2F (Ilima)

3:00 – 3:30 PM
Refreshment Break (Pavilion Lanai)

3:30 – 5:45 PM
Paper Session 2G (Ilima)

3:30 – 5:00 PM
WRSA Board Meeting (By Invitation Only;
Maui Boardroom)

3:30 – 5:00 PM
W-1133 Business Meeting (Plumeria)

7:00 – 9:15 PM
Six Concurrent Paper Sessions:
3A, 3B, 3C, 3D, 3E, 3F

7:00 – 9:15 PM
Remote Regions Workshop Session 3G
Thursday, 8:30 AM – 12:00 PM
Paper Session 1A ~ Jade
Public Policy
Chair: Donald R. DESKINS, Univ. Michigan, Ann Arbor, USA

8:30–9:15
Agency Transformation and State Public Utility Commissions
Douglas N. JONES, Ohio State Univ., Columbus, USA
Discussant: Eric THOR, Arizona State Univ., Tempe, USA

9:15–10:00
The Choice of Distance Education: A Success Factor
Reza G. HAMZAEE, Missouri Western State College, St. Joseph, and Walden Univ., USA
Discussant: Roel RUTTEN, Tilburg Univ., The Netherlands

10:00–10:30, Coffee Break

10:30–11:15
Cost of Improving Efficiency and Performance in Public Education: An Empirical Analysis
Kalyan CHAKRABORTY, Emporia State Univ., KS, USA
Discussant: Frans BOEKEMA, Tilburg Univ., The Netherlands

11:15–12:00
Where Do Assaults Occur in Correctional Institutions? Measurement Issues
George F. RENGERT, Mark MATTSON, Andrew J. BUCK, and Simon HAKIM, Temple Univ., Philadelphia, USA
Discussant: R. Pete PARCELLS, Whitman College, Walla Walla, WA, USA

Thursday, 8:30 AM – 12:00 PM
Paper Session 1B ~ Maile
Transportation Modeling
Chair: Lars LUNDQVIST, Royal Institute of Technology, Stockholm, Sweden

8:30–9:15
An Empirical Investigation on the Dynamic Processes of Activity Scheduling and Trip Chaining
Ming LEE, TJKM Transportation Consultants, Santa Rosa, CA, and Michael G. McNALLY, Univ. California, Irvine, USA
Discussant: T. John KIM, Univ. Illinois, Urbana-Champaign, USA

9:15–10:00
An Equilibrium Model of Air Network Flows: Case of the National Airspace System of the United States
Chieh-Yu HSIAO and Mark HANSEN, Univ. California, Berkeley, USA
Discussant: Andrew J. BUCK, Temple Univ., Philadelphia, USA

10:00–10:30, Coffee Break

10:30–11:15
Measuring Marginal Congestion Costs of Urban Transportation: Do the Networks Matter?
Elena SAFIROVA and Kenneth GILLINGHAM, Resources for the Future, Washington, DC, USA
Discussant: Lars LUNDQVIST, Royal Institute of Technology, Stockholm, Sweden

11:15–12:00
An Agent-Based Travel Demand Model
Lei ZHANG, Univ. Minnesota, Minneapolis, USA
Discussant: Harvey J. MILLER, Univ. Utah, Salt Lake City, USA

Thursday, 8:30 AM – 12:00 PM
Paper Session 1C ~ Haku
Remote Regions, I: Institutions and Land Use Decisions
Chair: Lee HUSKEY, Univ. Alaska, Anchorage, USA

8:30–9:15
Communities Beyond Places: Issues of Inclusion for “Off-Reserve” Members of Bands in British Columbia Since the Corbiere Case
Margaret ANDERSON, Univ. Northern British Columbia, Prince Rupert, Canada
Discussant: Peter T. WILSON, Univ. Guam, USA

9:15–10:00
Common Property, Resource Management, and Alaska Native Village Corporations
E. Lance HOWE, Univ. Alaska, Anchorage, USA
Discussant: Jon MATSUOKA, Univ. Hawai‘i, Honolulu, USA

10:00–10:30, Coffee Break

10:30–11:15
The Evolving Face of Partnerships Between First Nations and the Forestry Sector: A Literature Search and a National Survey
Clifford G. HICKEY, Univ. Alberta, Edmonton, Canada
Discussant: Lee HUSKEY, Univ. Alaska, Anchorage, USA

11:15–12:00
Assessing the Effects of Fire Management Policy On Native Land Use in Interior Alaska
David C. NATCHER, Univ. Alaska, Anchorage, USA
Discussant: Marc G. STEVENSON, Univ. Alberta, Edmonton, Canada

Thursday morning program continues on Page 4…
Wednesday, 8:30 AM – 12:00 PM
Paper Session 1D ~ Pikake I
New Perspectives on Spatial Analysis
Chair: Bahram ADRANGI, Univ. Portland, OR, USA
8:30–9:15
Testing for Multivariate Heteroscedasticity
H.E.T. HOLGERSSON and Ghazi SHUKUR, Jönköping International Business School, Sweden
  Discussant: Arthur GETIS, San Diego State Univ., USA
  9:15–10:00
σ-Convergence in the Presence of Spatial Effects
Sergio J. REY and Boris DEV, San Diego State Univ., USA
  Discussant: Bahram ADRANGI, Univ. Portland, USA
  10:00–10:30, Coffee Break
9:30–11:15
Selecting Spatial Regimes by Threshold Analysis
Jean H.P. PAELINCK, George Mason Univ., Fairfax, VA, USA
  Discussant: Boris DEV, San Diego State Univ., USA
  11:15–12:00
A Nonparametric Model of Spatial Correlation
Nicholas NAGLE, Univ. California, Santa Barbara, USA
  Discussant: Jean H.P. PAELINCK, George Mason Univ., Fairfax, VA, USA

Thursday, 8:30 AM – 12:00 PM
Paper Session 1E ~ Mauna Loa
Public Administration and Finance
Chair: Bruce A. WRIGHT, Univ. Arizona, Tucson, USA
8:30–9:15
Price Elasticities of Urban Form: Estimates from Public Service Expenditures in United States Metropolitan Areas
John I. CARRUTHERS, Mundy Associates, Seattle, WA, USA
  Discussant: John M. QUIGLEY, Univ. California, Berkeley, USA
  9:15–10:00
Understanding Canadian Provincial Policies in Recent Adaptations to City-region Governing
James LIGHTBODY, Univ. Alberta, Edmonton, Canada
  Discussant: Chang-Hee Christine BAE, Univ. Washington, Seattle, USA
  10:00–10:30, Coffee Break
10:30–11:15
Using Census Data to Forecast New Sales Taxes in Small- and Medium-Sized Cities
John D. WONG, Wichita State Univ., KS, USA
  Discussant: Richard WOBBEKIND, Univ. Colorado, Boulder, USA
  11:15–12:00
Fiscal Decentralization in Sindh: Prospects and Reality
Muhammad SABIR, Social Policy and Development Centre, and Qazi Masood AHMED, Institute of Business Administration, Karachi, Pakistan
  Discussant: Tatsuyoshi MIYAKOSHI, Univ. Tsukuba, Japan

Thursday, 8:30 – 11:15 AM
Paper Session 1F ~ Ilima
Regional Development: Case Studies from Around the World
Chair: Gunter SCHRAMM, International Finance Corporation, Arlington, VA, USA
8:30–9:15
Regional Competitiveness Case: South Karelia, Finland
Ulla KOTONEN, Jussi WAJAKOSKI, and Heli JÄÄSKELÄINEN, Lappeenranta Univ. of Technology, Finland
  Discussant: Audrey E. CLARKE, George Mason Univ., Fairfax, VA, USA
  9:15–10:00
The Pattern of Spatial Development Spillover: Korean Experiences, 1990–2000
Jae Ik KIM and Hyun Wook CHUNG, Keimyung Univ., Daegu, Korea
  Discussant: Kenneth E. COREY, Michigan State Univ., East Lansing, USA
  10:00–10:30, Coffee Break
10:30–11:15
Regional Competitiveness Indicators
Peter FRIEDRICH and Janusz A. Kosiński, UNIBW, Munich, Germany
  Discussant: Rio Nuno BALEIRAS, Universidade Nova de Lisbon, Portugal

Thanks to the 2004 Program Committee!
Chair: David A. Plane
Co-Chairs:
  Christopher Henrie
  Lay James Gibson
  Brigitte Waldorf
  Juanita Liu
  Gordon F. Mulligan
  Robert Read
  Lee Huskey
  Timothy Hogan
  Terry Clower
  Adrian X. Esparza
  John Carruthers
  Daniel Osgood
  Katharine Jacobs
  Simon Batterbury
  Keiron Bailey
  Bruce Wright
  Robert Formaini
  Pillsung Byun
  Meagan Cahill
Thursday, 1:30 – 3:00 PM
W-1133 Presentations, II ~ Plumeria
Organizer: Donald M. McLEOD, Univ. Wyoming, Laramie, USA

Thursday, 1:30 – 5:00 PM
Paper Session 2A ~ Jade
Labor Markets, I
Chair: Henk FOLMER, Tilburg Univ., The Netherlands
1:30–2:15
Human and Social Capital within Brazilian Families: A Regional Pilot Comparison
Carlos R. ARIEIRA and Kingsley E. HAYNES, George Mason Univ., Fairfax, VA, USA
Discussant: Mary P. VENCILL, Berkeley Policy Associates, Oakland, CA, USA
2:15–3:00
Changing Working Efforts in Welfare States: A Panel Data Study of Working Hours in Europe and North America
Sara JOHANSSON and Lars PETTERSSON, Jönköping International Business School, Sweden
Discussant: Roger F. RIEFLER, Univ. Nebraska, Lincoln, USA
3:00–3:30, Refreshment Break
3:30–4:15
Welfare Reform and Immigrant Participation in the Supplemental Security Income Program
Paul S. DAVIES, Social Security Administration, Washington, D.C., and Michael J. GREENWOOD, Univ. Colorado, Boulder, USA
Discussant: Don MAR, San Francisco State Univ., USA
4:15–5:00
Drug Dealer Diversion in San Francisco: Street to Work, A Job Training Program for First-Time Offenders--What Have We Learned So Far?
C. Daniel VENCILL, San Francisco State Univ., and Mary P. VENCILL, Berkeley Policy Associates, Oakland, CA, USA
Discussant: Roberto PEDACE, Univ. Redlands, CA, USA

Thursday, 1:30 – 5:00 PM
Paper Session 2B ~ Maile
Rural Regional Topics
Chair: Audie BLEVINS, Univ. Wyoming, Laramie, USA
1:30–2:15
Rural Regional Issues: Rural Mediation Centers for Alternative Dispute Resolution and Peace Making Units in Indonesia and Arizona
Eric THOR and Rodica EVTUHOVICI, Arizona State Univ. East, Mesa, USA, and Maman Achmad RIFAI, Indonesia
Discussant: Katherine JENSEN, Univ. Wyoming, Laramie, USA

2:15–3:00
The Potential Economic Impact on the Economy of Southeastern Wyoming from Designation of Critical Habitat for the Preble's Meadow Jumping Mouse
Thomas FOUKL, Roger H. COUPAL, and David T. TAYLOR, Univ. Wyoming, Laramie, USA
Discussant: Gerald A. DOEKSEN, Oklahoma State Univ., Stillwater, USA

3:00–3:30, Refreshment Break
3:30–4:15
Amenities or Industries: What Really Drives Economic Growth in Rural Regions with Forests and Related Resources?
Paul E. POLZIN, Univ. Montana, Missoula, USA
Discussant: Ulla KOTONEN, Lappeenranta Univ. of Technology, Finland
4:15–5:00
Technological Innovation in Small and Rural Context: The Case of Two Swiss Regions
Fabio BOSSI, Università della Svizzera italiana, Lugano, Switzerland
Discussant: Scott BAUM, Univ. Queensland, St. Lucia, Australia

Thursday, 1:30 – 5:00 PM
Paper Session 2C ~ Haku
Transportation and Movement Systems
Chair: Reza G. HAMZAA, Missouri Western State College, St. Joseph, and Walden Univ., USA
1:30–2:15
Infrastructures at Stakes in the Transition Process: The Trans European Infrastructures Network (TIN) in South Eastern Europe
Hugues SACHTER, Univ. d’Artoies, Béthune, France
Discussant: M. John HODGSON, Univ. Alberta, Edmonton, Canada
2:15–3:00
A Topological Classification of Movement Systems
Waldo TOBLER, Univ. California, Santa Barbara, USA
Discussant: Lei ZHANG, Univ. Minnesota, Minneapolis, USA

3:00–3:30, Refreshment Break
3:30–4:15
A Measurement Theory for Time Geography
Harvey J. MILLER, Univ. Utah, Salt Lake City, USA
Discussant: Michael G. McNALLY, Univ. California, Irvine, USA
4:15–5:00
Comparing the Influence of Land Use on Nonwork Trip Generation and Vehicle Distance Traveled: An Analysis Using Travel Diary Data
Marlon G. BOARNET, K.S. NESAMANI, and C. Scott SMITH, Univ. California, Irvine, USA
Discussant: Donald SHOUP, Univ. California, Los Angeles, USA

Thursday Afternoon Program Continues on Page 6…
Thursday, 1:30 – 3:00 PM
Paper Session 2D ~ Pikake I
Housing Markets and Real Estate Analysis, I
Chair: L. Michael FARRELL, Univ. du Québec à Trois-Rivières, Canada
1:30–2:15
Tax Dividend Evaluation of Major Urban Renewal Projects
Rui Nuno BALEIRAS, Rui Sousa MONTEIRO, and Ana Balcão REIS, Universidade Nova de Lisboa, Portugal
Discussant: Steven RAPHAEL, Univ. California, Berkeley, USA
2:15–3:00
Price Cutting Behavior in Residential Markets
William E. HERRIN and John R. KNIGHT, Univ. of the Pacific, Stockton, CA, and C.F. SIRMANS, Univ. Connecticut, Storrs, USA
Discussant: Scott HOUSER, California State Univ., Fresno, USA
Thursday, 1:30 – 5:00 PM
Paper Session 2E ~ Mauna Loa
Remote Regions, II:
Rethinking the Cross-Cultural Context
Chair: Sharman HALEY, Univ. Alaska, Anchorage, USA
1:30–2:15
Process Issues in Native Title Negotiations in South Australia
Parry AGIUS, Richard HOWITT, and Rhian WILLIAMS, Macquarie Univ., Sydney, Jocelyn DAVIES, Univ. Adelaide, and Sandy JARVIS, Aboriginal Legal Rights Movement, Australia
Discussant: Sharman HALEY, Univ. Alaska, Anchorage, USA
2:15–3:00
Rethinking the Building Blocks
Richard HOWITT and Sandie SUCHET-PEARSON, Macquarie Univ., Sydney, Australia
Discussant: Lassi HEININEN, Univ. Lapland, Rovaniemi, Finland
3:00–3:30, Refreshment Break
3:30–4:15
Helping Whitefellers to See: Community Engagement and Cultural Practices in Emergency Situations in Remote Regions
Kim DOOHAN, Macquarie Univ., Sydney, Australia
Discussant: Mary-Ellen KELM, Univ. Northern British Columbia, Canada
4:15–5:00
GIS Overlay Mapping of Native Hawaiian Cultural and Natural Resources
Jon MATSUOKA, Davianna McGREGOR, and Luciano MINERBI, Univ. Hawai’i, Honolulu, USA
Discussant: Matthew Berman, Univ. Alaska, Anchorage, USA
Thursday, 1:30 – 3:00 PM
Panel Session 2F ~ Ilima
The Changing Nature of the Firm
Chair: Robert FORMAINI, Federal Reserve Bank of Dallas
Panelists:
Andrew BEER, Flinders Univ., Adelaide, Australia
Terry CLOWER, Univ. North Texas, Denton, USA
Robert FORMAINI, Federal Reserve Bank of Dallas, USA
Thomas SIEMS, Federal Reserve Bank of Dallas, USA
Thursday, 3:30 – 5:45 PM
Paper Session 2G ~ Ilima
Local Economic Development
Chair: Robert FORMAINI, Federal Reserve Bank of Dallas
3:30–4:15
Micro-Finance in Ecuador
Sergio A. CASTELLO, Univ. Mobile, AL, and Paul C. HUSZAR, Colorado State Univ., Ft. Collins, USA
Discussant: John D. WONG, Wichita State Univ., KS, USA
4:15–5:00
Australian Small Business Financial Performance: A Regional and Temporal Analysis
Tony SORENSEN, Univ. New England, Armidale, Australia
Discussant: Robert READ, Univ. Lancaster, United Kingdom
5:00–5:45
Developing Integrated Object-oriented Conception of Geomarketing as a Tool for Promotion of Regional Sustainable Development: The Case Study of Ukraine
Volodymyr M. ANDERSON, Univ. Idaho, Moscow, USA
Discussant: R. Pete PARCELLS, Whitman College, Walla Walla, WA, USA
Thursday, 3:30 – 5:00 PM
WRSA Board Meeting ~ Maui Boardroom
(By Invitation Only)
Convenor: David A. PLANE, Univ. Arizona, Tucson, USA
Thursday, 3:30 – 5:00 PM
W-1133 Business Meeting ~ Plumeria
Convenor: Donald M. McLEOD, Univ. Wyoming, Laramie, USA
Thursday, 7:00 – 9:15 PM
Paper Session 3A ~ Jade
Environmental Management and Policy, I
Chair: Thomas GUNTON, Simon Fraser Univ., Vancouver, B.C., Canada
7:00–7:45
Climate Impacts on Urban Infrastructure: Regional Cost and Adaptation Strategies
Matthias RUTH, Univ. Maryland, College Park, and Paul H. KIRSHEN, Tufts Univ., Medford, MA, USA
Discussant: Henk FOLMER, Tilburg Univ., The Netherlands
7:45–8:30
Ignoring Environmental Science: Lake Acidification in the Sudbury, Ontario Region, from the 1960s to the 1980s
Don MUNTON, Univ. Northern British Columbia, Prince George, Canada
Discussant: Woodruff MILLER, Brigham Young Univ., Provo, UT, USA
8:30–9:15
Bureaucrats on the Barrier Islands: Ethical Dilemmas
John W. SOMMER and Scott P. HIPPENSTEEL, Univ. North Carolina, Charlotte, USA
Discussant: Douglas N. JONES, Ohio State Univ., Columbus, USA

Thursday, 7:00 – 9:15 PM
Paper Session 3B ~ Maile
Regional Model Building
Chair: David W. HOLLAND, Washington State Univ., Pullman, USA
7:00–7:45
Non-Linear Input-Output Models: Practicability and Potential
Guy R. WEST, Univ. Queensland, St. Lucia, Australia, and Randall W. JACKSON, West Virginia Univ., Morgantown, USA
Discussant: David W. HOLLAND, Washington State Univ., Pullman, USA
7:45–8:30
Calibrating a U.S. Multiregional SAM
Patrick CANNING, U.S. Economic Research Service, Washington, D.C., and Zhi WANG, George Mason Univ., Fairfax, VA, USA
Discussant: John R. ROY, ETUDES, Mallacoota, Australia
8:30–9:15
Flow Identification in Regional Input-Output
John R. ROY, ETUDES, Mallacoota, Australia
Discussant: Xiao-Ping ZHENG, Ritsumeikan Univ., Biwako-Kusatsu, Japan

Thursday, 7:00 – 9:15 PM
Paper Session 3C ~ Haku
Developing Locally:
Economic Development Lessons from Four Countries
Terry CLOWER, Univ. North Texas, Denton, USA
7:00–7:45
Local Economic Development in the US: Practices and Lessons
Terry CLOWER, Univ. North Texas, Denton, USA
Discussant: Robert STIMSON, Univ. Queensland, Brisbane, Australia
7:45–8:30
Local and Regional Economic Development Organisations in Australia
Alaric MAUDE and Andrew BEER, Flinders Univ., Adelaide, Australia
Discussant: Terry CLOWER, Univ. North Texas, Denton, USA
8:30–9:15
Local and Regional Economic Development Organizations: Comparing Four Nations
Graham HAUGHTON, Alaric MAUDE, Rachel NAYLOR, Terry ROBSON, and Andrew BEER, Flinders Univ., Adelaide, Australia
Discussant: Bud WEINSTEIN, Univ. North Texas, Denton, USA

Thursday, 7:00 – 9:15 PM
Paper Session 3D ~ Pikake I
Evaluation of Economic Impacts
Chair: Fabio BOSSI, Università della Svizzera italiana, Lugano, Switzerland
7:00–7:45
The Economic Contribution of the Non-native Hispanic Community to the Las Vegas Economy
Mary RIDDEL and R. Keith SCHWER, Univ. Nevada, Las Vegas, USA
Discussant: Paul C. HUSZAR, Colorado State Univ., Ft. Collins, USA
7:45–8:30
The Montreal Expos and the Market for Major League Sports Assets/Franchises
L. Michael FARRELL, Univ. du Québec á Trois-Rivières, Canada
Discussant: Kent KOVACS, Univ. California, Davis, USA
8:30–9:15
The Importance of Adjusting for Trip Purpose in Regional Economic Analyses of Tourist Destinations
Discussant: Manuel ANGELES, Universidad Autónoma de Baja California Sur, La Paz, Mexico

Thursday Evening Program Continues on Page 8...
Thursday, 7:00 – 9:15 PM
Paper Session 3E ~ Mauna Loa
Environmental Externalities
Chair: Yoji KUNIMITSU, National Institute for Rural Engineering, Tsukuba, Japan

7:00–7:45
An Efficient Disposal System of Industrial Waste and an Optimal Taxation
Hirofumi FUKUYAMA, Kyushu Univ., and Tohru NAITO, Kyushu Kyoritsu Univ., Fukuoka, Japan
Discussant: Kalyan CHAKRABORTY, Emporia State Univ., KS, USA

7:45–8:30
Mary RIDDEL and R. Keith SCHWER, Univ. Nevada, Las Vegas, USA
Discussant: Kingsley E. HAYNES, George Mason Univ., Fairfax, VA, USA

8:30–9:15
R&D, Human Capital, and Environmental Externality in the Endogenous Growth Model
Daisuke IKAZAKI, Kumamoto Gakuen Univ., Japan
Discussant: Guang YANG, George Mason Univ., Fairfax, VA, USA

Thursday, 7:00 – 9:15 PM
Paper Session 3F ~ Ilima
Regional Science: Financial Aspects
Chair: Muhammad SABIR, Social Policy and Development Centre, Karachi, Pakistan

7:00–7:45
Tax Competition, Spillovers, and Subsidies
Hikaru OGAWA, Nagoya Univ., Japan
Discussant: John I. CARRUTHERS, Mundy Associates, Seattle, WA, USA

7:45–8:30
Measuring the Cost of the Japanese Financial Recessions
Tatsuyoshi MIYAKOSHI and Masakatsu OKUBO, Univ. Tsukuba, Japan
Discussant: Thomas C. LOWINGER, Washington State Univ., Pullman, USA

8:30–9:15
A Welfare-Based Model on Speculative Attacks, Self-Defense, and Regional Financial Arrangements for East Asian Economies
Sean LIU, Cornell Univ., Ithaca, NY, USA
Discussant: Michael K. PRICE, Univ. Maryland, College Park, USA

Thursday, 7:00 – 9:15 PM
Workshop Session 3G ~ Plumeria
Remote Regions, III: Processes for Cross-Cultural Engagement
Chair: Richard HOWITT, Macquarie Univ., Sydney, Australia
Theme: “Experiencing Process Issues in Cross-Cultural Negotiations”
Panelists:
Rhian WILLIAMS, Macquarie Univ., Sydney, Australia
Parry AGIUS, Macquarie Univ., Sydney, Australia
Richard HOWITT, Macquarie Univ., Sydney, Australia
Jocelyn DAVIES, Univ. Adelaide, Australia
Sandy JARVIS, Aboriginal Legal Rights Movement, Australia

Friday, February 27

8:00 AM and throughout the day
Registration continues (Kukui Terrace)

8:30 AM – 12:00 PM
Seven Concurrent Paper Sessions:
4A, 4B, 4C, 4D, 4E, 4F, 4G

10:00 – 10:30 AM
Coffee Break (Pavilion Lanai)

12:15 – 2:00 PM
Annual Banquet Luncheon (Lokelani Ballroom; Tickets required)

2:15 – 5:15 PM
Six Concurrent Paper Sessions:
5A, 5B, 5C, 5D, 5E, 5F (Note: No formal refreshment break this afternoon; short session breaks may be taken at the discretion of the respective chairs)

2:15 – 5:30 PM
W-1133 Presentations, III

5:30 – 7:00 PM
President’s Reception (Pacific Terrace; For all participants and accompanying persons)

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Mahalo for Their Generous Financial Support of the Conference!
The School of Travel Industry Management of the University of Hawaii,
and International Specialized Book Services
Friday, 8:30 AM – 12:00 PM
Paper Session 4A ~ Jade
W-1133/WRSA Joint Session: Measures of Urban/Rural Property Attributes with Associated Values
Chair: Donald M. McLEOD, Univ. Wyoming, Laramie, USA

8:30–9:15
Hedonic Housing Price Analysis with Superfund Sites: The Problem of Bundled Risk Correlates in Urban Industrial Zones
B. James DEATON and John P. HOEHN, Michigan State Univ., East Lansing, USA
   Discussant: Klaus MOELTNER, Univ. Nevada, Reno, USA
9:15–10:00
Neighborhood Formation with Fixed Space Constraints: Misspecification of Amenity Estimates When Households Are Highly Heterogeneous
Michael C. FARMER, Georgia Institute of Technology, Atlanta, USA
   Discussant: Paul JAKUS, Utah State Univ., Logan, USA
10:00–10:30, Coffee Break
10:30–11:15
Does Ownership Matter? Examining the Relationship Between Property Values and Privately and Publicly Owned Open Spaces, Streams and Wetlands
Noelwah NETUSIL, Reed College, Portland, OR, USA
   Discussant: Donald M. McLEOD, Univ. Wyoming, Laramie, USA
11:15–12:00
The Opportunity for a Private Market for Farmland Preservation
Jeffrey H. DORFMAN, Bethany LAVIGNO, John C. BERGSTROM, and Barry J. BARNETT, Univ. Georgia, Athens, USA
   Discussant: John LOOMIS, Colorado State Univ., Ft. Collins, USA

Our Meeting Venue:
The Wailea Marriott, An Outrigger Resort
3700 Wailea Alanui
Wailea, Maui, Hawaii 96753-8332 USA
Ph: 808-879-1922
Fax: 808-874-8331

Friday, 8:30 – 11:15 AM
Paper Session 4B ~ Maile
Transportation and Spatial Behavior
Chair: Harvey J. MILLER, Univ. Utah, Salt Lake City, USA

8:30–9:15
Fare-Free Public Transit at Universities: An Evaluation
Jeffrey BROWN, Daniel B. HESS, and Donald SHOUP, Univ. California, Los Angeles, USA
   Discussant: Hugues SACHTER, Univ. d’Artoies, Béthune, France
9:15–10:00
Expansion of Toll Lanes or More Free Lanes: A Case Study of SR91 in Southern California
Harry W. RICHARDSON, Peter GORDON, Jim MOORE, and Sungbin CHO, Univ. Southern California, Los Angeles, USA
   Discussant: Elena SAFIROVA, Resources for the Future, Washington, DC, USA
10:00–10:30, Coffee Break
10:30–11:15
Determinants of Airport Choice in a Multi-Airport Region
Erwin A. BLACKSTONE, Andrew J. BUCK, and Simon HAKIM, Temple Univ., Philadelphia, USA
   Discussant: Chieh-Yu HSIAO, Univ. California, Berkeley, USA

Friday, 8:30 – 11:15 AM
Paper Session 4C ~ Haku
Demographics and Geographical Information Science
Chair: Stuart SWEENEY, Univ. California, Santa Barbara, USA

8:30–9:15
Explaining Total Fertility Rates in Amman, Jordan, Using AMOeba
Arthur GETIS and Jared ALDSTADT, San Diego State Univ., USA
   Discussant: Ardeshire ANJOMANI, Univ. Texas, Arlington, USA
9:15–10:00
Modelling, Visualization and Statistical Analysis of Voting Patterns at the 2001 Australia Federal Election
Robert STIMSON, Tung-Kai SHYY, and Rod McCREA, Univ. Queensland, Brisbane, and Graeme HUGO and Errol BAMFORD, Univ. Adelaide, Australia
   Discussant: Richard MORRILL, Univ. Washington, Seattle, USA
10:00–10:30, Coffee Break
10:30–11:15
Spatio-Temporal Data Models: Review and Prospects
Jong Sung LEE and Tschangho John KIM, Univ. Illinois, Urbana-Champaign, USA
   Discussant: Waldo TOBLER, Univ. California, Santa Barbara, USA

Friday Morning Program Continues on Page 10...
Friday, 8:30 – 11:15 AM
Paper Session 4D ~ Pikake I
Remote Regions, IV:
Changing Practices in Cross-Cultural Resource Settings
Chair: Mike PRETES, Univ. Hawaii, Hilo, USA
8:30–9:15
Monitoring and Implementing Resource Agreements
Bruce HARVEY, Rio Tinto Ltd., Melbourne, Marcia LANGTON, Univ. Melbourne, and Peter CROOKE, Comalco Ltd., Brisbane, Australia
Discussant: Mike PRETES, Univ. Hawaii, Hilo, USA
9:15–10:00
Failures in Community Relations: What Are the Lessons of Poor Processes in the Mining Industry?
Sandy CALLOPE and Bella SAVO, Napranum Aboriginal Corporation, Weipa, Australia
Discussant: David C. NATCHER, Univ. Alaska, Anchorage, USA
10:00–10:30, Coffee Break
10:30–11:15
What Happened to the Two-Row Wampum? Creating Space for Canada’s Aboriginal Peoples in Resource Management
Marc G. STEVENSON, Univ. Alberta, Edmonton, Canada
Discussant: E. Lance HOWE, Univ. Alaska, Anchorage, USA

Friday, 8:30 AM – 12:00 PM
Paper Session 4E ~ Mauna Loa
Modeling Regional Structure and Change, I
Chair: Ako MATSUMOTO, Chuo Univ., Japan
8:30–9:15
Do Regional Economic Conditions Affect Bank Condition? New Analysis of an Old Question
Mary DALY, John KRAINER, and Jose A. LOPEZ, Federal Reserve Bank of San Francisco, USA
Discussant: Jared HAZLETON, Univ. North Texas, Denton USA
9:15–10:00
Regional Interaction & Economic Diversity: Exploring the Role of Geographically Overlapping Markets
Martin ANDERSSON and Johan KLAESSON, Jönköping International Business School, Sweden
Discussant: Dao-Zhi ZENG, Kanagawa Univ., Japan
10:00–10:30, Coffee Break
10:30–11:15
Measuring Local Community Performance across Australia’s Metropolitan Regions
Scott BAUM, Yolanda VON GELLUCUM, and Michelle HAYNES, Univ. Queensland, St. Lucia, Australia
Discussant: Godfrey BALDACCHINO, Univ. Prince Edward Island, Charlottetown, Canada

Friday, 8:30 AM – 12:00 PM
Paper Session 4F ~ Ilima
Housing Markets and Real Estate Analysis, II
Chair: Frank G. MITTELBAECH, Univ. California, Los Angeles, USA
8:30–9:15
The Anatomy of Rent Burdens: Immigration, Growth, and Rental Housing
Erica GREULICH, John M. QUIGLEY and Steven RAPHAEL, Univ. California, Berkeley, USA
Discussant: Timothy D. HOGAN, Arizona State Univ., Tempe, USA
9:15–10:00
Market Segmentation in a Single Urban Neighborhood
Clifford A. LIPSCOMB, Georgia Institute of Technology, Atlanta, USA
Discussant: John R. KNIGHT, Univ. of the Pacific, Stockton, CA, USA
10:00–10:30, Coffee Break
10:30–11:15
Metropolitan Variation in the Utilization of the Mortgage Interest Deduction
Peter BRADY and Julie-Anne CRONIN, U.S. Dept. of Treasury, Washington, D.C., and Scott HOUSER, California State Univ., Fresno, USA
Discussant: Frank G. MITTELBAECH, Univ. California, Los Angeles, USA
11:15–12:00
Location Decisions of Japanese New Manufacturing Plants in China: A Discrete Choice Analysis
Shao ming CHENG, George Mason Univ., Fairfax, VA, USA
Discussant: Bud WEINSTEIN, Univ. North Texas, Denton, USA

Previous WRSA Meetings in Hawai’i
39th ~ Sheraton Kauai Resort, Poipu, Kauai ~ 2000
36th ~ The Royal Waikoloa, Waikoloa, Hawaii ~ 1997
32nd ~ Maui Inter-Continental Resort, Wailea, Maui ~ 1993
29th ~ Kaluokoi Hotel, Molokai ~ 1990
26th ~ Kona Surf Resort, Keauhua, Hawaii ~ 1987
22nd ~ The Prince Kuhio Hotel, Honolulu, Oahu ~ 1983
Friday, 8:30 AM – 12:00 PM
Paper Session 4G ~ Plumeria
Labor Markets, II
Chair: Jack OSMAN, San Francisco State Univ., USA
8:30–9:15
Regional Differences in Vietnamese American Earnings
Discrimination: California versus Texas
Don MAR, San Francisco State Univ., USA
  Discussant: Martin SHIELDS, Penn State Univ.,
  University Park, USA
9:15–10:00
Ethnic Enclaves and Labor Markets: An Analysis of
Immigrant Outcomes in California
Mussaddeq CHOWDHURY and Roberto PEDACE, Univ.
Redlands, CA, USA
  Discussant: Rachel FRANKLIN, U.S. Census Bureau,
  Washington, DC, USA
10:00–10:30, Coffee Break
10:30–11:15
Matching, On-the-Job Search and Temporal Aggregation:
Panel Data Evidence from Finland, 1991–2002
Aki KANGASHARJU and Sari PEKKALA, Government
Institute for Economic Research, Helsinki, and Jaakko
PEHKONEN, Univ. Jyväskylä, Finland
  Discussant: Jack W. OSMAN, San Francisco State
  Univ., USA
11:15–12:00
An Analysis of Gross In- and Out-Migration Flows for
Pennsylvania Counties: A Closer Look at the Relative
Importance of Labor Market and Amenity Differentials
Between Origin and Destination Counties
Martin SHIELDS, Stephan GOETZ, and Latika
BHARADWAJ, Pennsylvania State Univ., University Park,
USA
  Discussant: Marc PERRY, U.S. Census Bureau,
  Washington, DC, USA

Friday, 12:15 – 2:00 PM
Annual Banquet Luncheon
Lokelani Ballroom
(For All Meeting Participants; Tickets Required)
Chair: Koichi MERA, 44th WRSA President (2003–2004)
  Presentation Ceremonies:
  The 9th Annual Springer-Verlag Prize
  Presented by: Roger R. STOUGH, T. John KIM, and Börje
  JOHANSSON, Co-editors, The Annals of Regional Science
  The 18th Annual Charles M. Tiebout Prize
  Presented by: John M. QUIGLEY, 41st WRSA President
  (2000–2001)

Friday, 2:15 – 5:15 PM
Paper Session 5A ~ Jade
Rethinking Development in Remote Regions, V:
Chair: Margaret ANDERSON, Univ. Northern British
Columbia, Prince Rupert, Canada
2:15–3:00
Blinded by Riches: Alaska’s Permanent Funding Problem
Terrence COLE, Univ. Alaska, Fairbanks, USA
  Discussant: Parry AGIUS, Macquarie Univ., Sydney,
  Australia
3:00–3:45
Rethinking Development in Pacific Microstates
Michael PRETES, Univ. Hawaii, Hilo, USA
  Discussant: Martin SHIELDS, Univ. Northern British
  Columbia, Prince Rupert, Canada
3:45–4:30
The Great Potential for Tuna Industries in Micronesia
Remains Undeveloped in a Time of Need
Peter T. WILSON and Dirk A. BALLENDORF, Univ.
Guam, Mangilao, USA
  Discussant: Rachel FRANKLIN, U.S. Census Bureau,
  Washington, DC, USA
4:30–5:15, Coffee Break
4:30–5:15
Economic Geography of Higher Education: The Role of
Higher Education Institutes in the Knowledge-Based
Economy
Roel RUTTEN and Frans BOEKEMA, Tilburg Univ., The
Netherlands
  Discussant: Warren GILL, Simon Fraser Univ.,
  Vancouver, B.C., Canada

Friday, 2:15 – 5:15 PM
Paper Session 5B ~ Maile
The Knowledge Economy
Chair: Nina J. GRUEN, Gruen Gruen + Associates,
San Francisco, USA
2:15–3:00
Social Capital and the Transformation to the Knowledge
Society: A Comparison of Sweden, Japan, and the USA
Hans WESTLUND, Swedish Inst. for Growth Policy
Studies, Östersund
  Discussant: Warren GILL, Simon Fraser Univ.,
  Vancouver, B.C., Canada
3:00–3:45
Economic Geography of Higher Education: The Role of
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Economy
Roel RUTTEN and Frans BOEKEMA, Tilburg Univ., The
Netherlands
  Discussant: Warren GILL, Simon Fraser Univ.,
  Vancouver, B.C., Canada

Session 5B Continues on Page 12…
Session 5B Continued

3:45–4:30
A New Geography for the Information Technology Industry?
Roger F. RIEFLER, Univ. Nebraska, Lincoln, USA
Discussant: Brian P. HOLLY, U.S. Census Bureau, Washington, DC, USA

4:30–5:15
From Digital Development Toward Planned Intelligent Development in Southeast Asia
Kenneth E. COREY and Mark I. WILSON, Michigan State Univ., East Lansing, USA
Discussant: Tony SORESEN, Univ. New England, Armidale, Australia

Friday, 2:15 – 4:30 PM
Paper Session 5C ~ Haku
Issues for Small Jurisdictions
Chair: Robert READ, Univ. Lancaster, United Kingdom
2:15–3:00
How Creative Politics Can Cheat the Dismal Science: Sub-National Island Jurisdictions in the Age of Globalization
Godfrey BALDACCHINO, Univ. Prince Edward Island, Charlottetown, Canada
Discussant: John W. SOMMER, Univ. North Carolina, Charlotte, USA
3:00–3:45
Bridging the Digital Divide: The Growth Implications of e-Commerce for Small and Developing States
Robert READ and Didier SOOPRAMANIEN, Univ. Lancaster, United Kingdom
Discussant: Claude GRUEN, Gruen Gruen + Associates, San Francisco, USA
3:45–4:30
Small Firms in Small States: A Microeconomic Perspective on Sustainability and Sustainability Indicators
Robert READ and Adreene STAINES, Univ. Lancaster, United Kingdom
Discussant: Volodymyr M. ANDERSON, Univ. Idaho, Moscow, USA

Friday, 2:15 – 5:15 PM
Paper Session 5D ~ Pikake I
Topics in Demography and Development
Chair: Y.H. FAN, National Taiwan Univ., Taipei

2:15–3:00
The Sustainability of Demographic Progress Around the World
David A. PLANE, Univ. Arizona, Tucson, USA
Discussant: Keith SCHWER, Univ. Nevada, Las Vegas
3:00–3:45
An Empirical Test of Purchasing Power Parity in Selected Developing Countries: A Panel Data Approach
Discussant: Sean LIU, Cornell Univ., Ithaca, NY, USA
3:45–4:30
Urbanization, Sub-Urbanization and Counter-Urbanization of Population Sub-Groups in Countries in Transition
Thomas KONTULY, Univ. Utah, Salt Lake City, USA, and Tiit TAMMARU, Univ. Tartu, Estonia
Discussant: Harry W. RICHARDSON, Univ. Southern California, Los Angeles, USA
4:30–5:15
California Leavin': Characteristics of Outmigration from the Golden State, 1995 to 2000
Marc PERRY, U.S. Census Bureau, Washington, DC, USA
Discussant: Lay James GIBSON, Univ. Arizona, Tucson, USA

Friday, 2:15 – 4:30 PM
Paper Session 5E ~ Mauna Loa
Modeling Regional Structure and Change, II
Chair: Mary RIDDEL, Univ. Nevada, Las Vegas, USA

2:15–3:00
Spatial Economy with Multi-Manufacturing Industries
Dao-Zhi ZENG, Kagawa Univ., Japan
Discussant: Roger R. STOUGH, George Mason Univ., Fairfax, VA, USA
3:00–3:45
A General Equilibrium Analysis of the Economic Impact of the Canadian Softwood Lumber Tariff on the Washington Economy
Joydeep GHOSH, David W. HOLLAND, Thomas HECKELEI, Washington State Univ., Pullman, Stephen DEVADOSS and Leroy STODICK, Univ. Idaho, Moscow, USA
3:45–4:30
The Measurement of Optimal City Sizes in Japan: A Surplus Function Approach
Xiao-Ping ZHENG, Ritsumeikan Univ., Biwako-Kusatsu, Japan
Discussant: Ron McCHESNEY, Ohio State Univ., Columbus, USA
Friday, 2:15 – 3:45 PM
Paper Session 5F ~ Ilima
Environmental Management and Policy, II
Chair: Thomas FOULKE, Univ. Wyoming, Laramie, USA
2:15–3:00
**Making Collaboration Work: Lessons from a Success Story in Regional Planning**
Thomas GUNTON, T.M. FRAME, and J.C. DAY, Simon Fraser Univ., Burnaby, B.C., Canada
Discussant: James LIGHTBODY, Univ. Alberta, Edmonton, Canada
3:00–3:45
**Natural Resource Management, the U.S. Forest Service, and Social Research**
Audie BLEVINS and Katherine JENSEN, Univ. Wyoming, Laramie, USA
Discussant: Paul E. POLZIN, Univ. Montana, Missoula, USA

Friday, 2:15 – 5:30 PM
W-1133 Presentations, III ~ Plumeria
Convenor: Donald M. McLeod, Univ. Wyoming, Laramie, USA

Friday, 5:30 – 7:00 PM
President’s Reception
Pacific Terrace
(For All Meeting Participants; Everyone Welcome!)

Saturday, February 28
8:15 AM – 12:00 PM
Registration continues (Kukui Terrace)
8:30 AM – 12:00 PM
Six Concurrent Paper Sessions:
6A, 6B, 6C, 6D, 6E, 6F
8:30 AM – 12:00 PM
Panel Session 6G
10:00 – 10:30 AM,
Coffee Break (Pavilion Lanai)
Lunch (On your own this day)
1:30 – 5:00 PM
Seven Concurrent Paper Sessions:
7A, 7B, 7C, 7D, 7E, 7F, 7G
3:00 – 3:30 PM
Refreshment Break (Pavilion Lanai)

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3:00 – 3:30 PM
Refreshment Break (Pavilion Lanai)

Saturday, 8:30 AM – 12:00 PM
Paper Session 6A ~ Jade
Regional Growth and Structure
Chair: Aidan VINING, Simon Fraser Univ., Vancouver
8:30–9:15
**Productivity Convergence and Spatial Dependence Among Spanish Regions**
Sandy DALL’ERBA, Univ. Pau, France
Discussant: Eckhardt BODE, Institute for World Economics, Kiel, Germany
9:15–10:00
**The Incentives for Process Innovations in a Duopoly with Regional Agglomeration**
Olof EJERMO and Börje JOHANSSON, Jönköping International Business School, Jönköping, Sweden
Discussant: Aidan VINING, Simon Fraser Univ., Vancouver, B.C., Canada
10:00–10:30, Coffee Break

10:30–11:15
**Space-Time Analysis of Industry Concentration**
Stuart H. SWEENEY and Nicholas NAGLE, Univ. California, Santa Barbara, USA
Discussant: Johann KLAESSON, Jönköping International Business School, Sweden
11:15–12:00
**Agglomeration and Economic Growth: Does Geographical Concentration Cause Growth or Vice Versa?**
Johan KLAESSON and Lars PETTERSSON, Jönköping International Business School, Sweden
Discussant: Michael C. CARROLL, Bowling Green State Univ., KY, USA

Saturday, 8:30 AM – 12:00 PM
Paper Session 6B ~ Maile
Spatial Economics and Regional Development
Chair: Roger R. STOUGH, George Mason Univ., Fairfax, VA, USA
8:30–9:15
**Using the Spatial Distribution of Bidders to Detect Collusion in the Marketplace: Evidence from the U.S.-Canada Softwood Lumber Dispute**
Michael K. PRICE, Univ. Maryland, College Park, USA
Discussant: Tohru NAITO, Kyushu Kyoritsu Univ., Fukuoka, Japan
9:15–10:00
**The Impacts of Paddy-field Consolidation Projects on the Rental Rate and Rental Agreement Level in Japan: An Application of the Stochastic Choice Model to the Capitalization Mechanism in the Regulated Market**
Yoji KUNIMITSU, National Institute for Rural Engineering, Tsukuba, Japan
Discussant: Luiz Ricardo CAVALCANTE, Univ. Illinois, Champaign-Urbana, USA
10:00–10:30, Coffee Break

Paper Session 6B Continues on Page 14…
Saturday, 8:30 AM – 12:00 PM

Paper Session 6C ~ Haku

Local Control and Impacts of Oil and Gas Development:
Nuiqsut Case Study
Sharman HALEY, Univ. Alaska, Anchorage, USA
Discussant: Bella SAVO, Napranum Aboriginal Corporation, Australia
Chair: Richard MORRILL, Univ. Washington, Seattle, USA
8:30–9:15
The Spatial Distribution of Public Goods: The Case of City Parks
Kent KOVACS, Univ. California, Davis, USA
Discussant: Simon HAKIM, Temple Univ., Philadelphia, USA
9:15–10:00
Bad Air Days: Houston and Los Angeles: The Equity Impacts of Poor Air Quality
Chang-Hee Christine BAE, Univ. Washington, Seattle, USA
Discussant: Victor TEYE, Arizona State Univ., Tempe, USA
10:00–10:30, Coffee Break
10:30–11:15
C. Daniel VENCILL, San Francisco State Univ., and Mary P. VENCILL, Berkeley Policy Associates, Oakland, CA, USA
Discussant: George RENGERT, Temple Univ., Philadelphia, USA
11:15–12:00
Evaluation of Alternative Policies to Combat False Emergency Calls: Intra- and Interjurisdictional Perspectives
Erwin A. BLACKSTONE, Andrew J. BUCK, and Simon HAKIM, Temple Univ., Philadelphia, USA
Discussant: C. Daniel VENCILL, San Francisco State Univ., USA

Saturday, 8:30 – 11:15 AM

Paper Session 6D ~ Pikake I

Remote Regions, VI: Remote Resource Development
Chair: Terrence Cole, Univ. Alaska, Fairbanks, USA
8:30–9:15
Big John Reeves: The Story of a Successful Fairbanks Businessman
Claus M. NASKE, Univ. Alaska, Fairbanks, USA
Discussant: Petr AZHUNOV, Indiana Univ., Bloomington, USA
9:15–10:00
Is There an Alaska Solution? Avoiding the Tragedy of the Anti-Commons in Alaska Oil and Gas Development
Greg PROTASEL and Lee HUSKEY, Univ. Alaska, Anchorage, USA
Discussant: Terrence COLE, Univ. Alaska, Fairbanks
10:00–10:30, Coffee Break
10:30–11:15
Local Control and Impacts of Oil and Gas Development:
Nuiqsut Case Study
Sharman HALEY, Univ. Alaska, Anchorage, USA
Discussant: Bella SAVO, Napranum Aboriginal Corporation, Australia

Saturday, 8:30 AM – 12:00 PM

Paper Session 6E ~ Mauna Loa

Migration Flows and Migration Patterns
Chair: Andrei ROGERS, Univ. Colorado, Boulder, USA
8:30–9:15
Micro-level Investigation of International Migration Decision: Empirical Evidences from Korea, USA, and Canada
SeongWoo LEE, Seoul National Univ., Korea, and JiYoung PARK, Univ. Southern California, Los Angeles, USA
Discussant: Sara JOHANSSON, Jönköping International Business School, Sweden
9:15–10:00
Regional Growth and Interstate Migration
Ardeshire ANJOMANI, Univ. Texas, Arlington, USA
Discussant: Michael J. GREENWOOD, Univ. Colorado, Boulder, USA
10:00–10:30, Coffee Break
10:30–11:15
Inferring Migration Flows from Birthplace-Specific Population Stocks
Andrei ROGERS, James RAYMER, and Lisa JORDAN, Univ. Colorado, Boulder, USA
Discussant: Thomas KONTULY, Univ. Utah, Salt Lake City, USA
Saturday, 8:30 AM – 12:00 PM

Paper Session 6F ~ Ilima
Water Resource Management
Chair: Katharine L. JACOBS, Univ. Arizona, Tucson, USA
8:30–9:15

Efficient Water Allocation with Win-Win Conservation Surcharges: The Case of the Ko‘olau Watershed
Brooks A. KAISER, Gettysburg College, PA, Wetinee
MATSATHIT, Basharat A.K. PITAFI, and James ROUMASSET, Univ. Hawaii, Honolulu, USA
Discussant: Don MUNTON, Univ. Northern British Columbia, Prince George, Canada

9:15–10:00

Water Management Reform and the Choice of Contractual Form in China
Quiqiong HUANG, Scott ROZELLE, and Siwa MSANGI, Univ. California, Davis, USA, Jinxia WANG and Jikun HUANG, Chinese Academy of Sciences, China
Discussant: Gunter SCHRAMM, International Finance Corporation, Arlington, VA, USA

10:00–10:30, Coffee Break

10:30–11:15

Efficient Groundwater Pricing and Intergenerational Welfare: the Honolulu Case
Basharat A.K. PITAFI and James ROUMASSET, Univ. Hawaii, Manoa, USA
Discussant: Katharine L. JACOBS, Univ. Arizona, Tucson, USA

11:15–12:00

Trophic State Evaluation for Selected Lakes in Yellowstone National Park
Woodruff MILLER, Brigham Young Univ., Provo, USA
Discussant: Basharat A.K. PITAFI, Univ. Hawaii, Manoa, USA

Saturday, 8:30 AM – 12:00 PM

Panel Session 6G ~ Plumeria
AUBER / WRSA Joint Session:
Western States’ Economic Outlook
Chair: Timothy D. HOGAN, Arizona State Univ., Tempe

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

California
Esmael ADIBI, Chapman Univ., Orange, CA

Colorado
Richard WOBBEKIND, Univ. Colorado, Boulder

Hawaii
Carl BONHAM, Univ. Hawaii, Honolulu, USA

Coffee Break, 10:00–10:30

Montana
Paul POLZIN, Univ. Montana, Missoula, USA

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

Washington and Oregon
Pete PARCELLS and Amanda REMINGTON, Whitman College, Walla Walla, WA, USA

Western Regional Science Association

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Lay James Gibson, University of Arizona
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Kingsley Haynes, George Mason University
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Robert Monahan, Western Washington University
Jean Paelinck, Erasmus University
Anthony Pascal, The Rand Corporation

WRSA PRSCO Councillors
Lay James Gibson
David Plane
John Quigley
Roger Stough

WRSA’s NARSCCouncillor
David Plane

WRSA’s Executive Assistant
Christopher Henrie
Saturday, 1:30 – 4:15 PM

Paper Session 7A ~ Jade
Location Analysis
Chair: Lars PETTERSSON, Jönköping International Business School, Jönköping, Sweden
1:30–2:15
A Hierarchical Location-Allocation Model with Travel Based on Expected Referral Distances
M. John HODGSON, Univ. Alberta, Edmonton, Canada, and Soren Kruse JACOBSEN, Lyngby, Denmark
Discussant: Nicholas NAGLE, Univ. California, Santa Barbara, USA
2:15–3:00
Functional Closeness, Spatial Proximity and Regional Competitiveness: A Join Spatial-Functional Analysis of the Washington and Baltimore Metropolitan Regions
Guang YANG, George Mason Univ., Fairfax, VA, USA
Discussant: Lars PETTERSSON, Jönköping International Business School, Jönköping, Sweden
3:00–3:30, Refreshment Break
3:30–4:15
Market Size and Dynamics of the Retail Service Industry: An Exploratory Study of the Swedish Experience During the 1990s
Johan KLAESSON and Lars PETTERSSON, Jönköping International Business School, Jönköping, Sweden
Discussant: Stuart SWEENEY, Univ. California, Santa Barbara, USA

Saturday, 1:30 – 5:00 PM

Paper Session 7B ~ Maile
Remote Regions, VII: Regional Development in the North
Chair: Greg PROTASEL, Univ. Alaska, Anchorage, USA
1:30–2:15
Searching a New Approach to North-South Relations
Lassi HEININEN, Univ. Lapland, Rovaniemi, Finland
Discussant: Kim DOOHAN, Macquarie Univ., Sydney, Australia
2:15–3:00
Integrating Research, Local Knowledge, and Collective Action in a Dynamic Simulation Model of Cross-Boundary Regional Development
Matthew BERMAN, Univ. Alaska, Anchorage, Craig NICOLSON, Univ. Massachusetts, Amherst, and Gary KOFINAS, Univ. Alaska, Fairbanks, USA
Discussant: Richard HOWITT, Macquarie Univ., Sydney, Australia
3:00–3:30, Refreshment Break
3:30–4:15
“Wilde & Lawless” in the Peace: Rodeo in Canada’s Peace River Country
Mary-Ellen KELM, Univ. Northern British Columbia, Canada
Discussant: Claus M. NASKE, Univ. Alaska, Fairbanks, USA

4:15–5:00
Food Economics in YK Villages
Bret LUICK and Greg GOERING, Univ. Alaska, Fairbanks, and Andrea BERSAMIN, Univ. California, Davis, USA
Discussant: Greg PROTASEL, Univ. Alaska, Anchorage, USA

Saturday, 1:30 – 5:00 PM

Paper Session 7C ~ Haku
Tourism Management
Chair: Juanita LIU, Univ. Hawaii, Manoa, USA
1:30–2:15
Using Input-Output Analysis to Estimate the Environmental Impacts of Tourism in Hawaii
Karl KIM, Univ. Hawaii, Manoa, USA
Discussant: John LOOMIS, Colorado State Univ., Ft. Collins, USA
2:15–3:00
The Tourism Sector in Baja California Sur: ‘Development Pole’ or Enclave?
Manuel ANGELES, Alba Eritrea GÁMEZ, and Antonina IVANOVA, Universidad Autónoma de Baja California Sur, La Paz, Mexico
Discussant: Esmael ADIBI, Chapman Univ., Orange, CA, USA
3:00–3:30, Refreshment Break
3:30–4:15
Potential of the Ethnic Minority Market for the North American Cruise Line Industry
Victor TEYE, Arizona State Univ., Tempe, USA
Discussant: Warren GILL, Simon Fraser Univ., Vancouver, B.C., Canada
4:15–5:00
Is Transportation a Killer of Eco-Culture Tourism?
Y.H. FAN, National Taiwan Univ., Taipei, Taiwan
Discussant: Karl KIM, Univ. Hawaii, Manoa, USA

Submitting Annual Meeting Papers to The Annals of Regional Science

Conference participants are welcome to submit their papers to WRSA’s official journal, The Annals of Regional Science. All three of Annals coeditors plan to be in attendance at the conference. They would be pleased to discuss potential submissions with authors.

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Roger R. Stough, The School of Public Policy, George Mason University, Fairfax, VA 22030-4444, USA; e-mail: rstough@gmu.edu
Saturday, 1:30 – 5:00 PM
Paper Session 7D ~ Pikake I
Explorations in the Structure of Urban Systems
Chair: Tschangho John KIM, Univ. Illinois, Urbana-Champaign, USA

1:30–2:15
Structural Change of the Chicago Economy: A Temporal Inverse Analysis
Yasuhide OKUYAMA, Michael SONIS, and Geoffrey J.D. HEWINGS, Univ. Illinois, Urbana-Champaign, USA
Discussion: Jung Hoon HAN, Univ. Queensland, St. Lucia, Australia

2:15–3:00
A Hierarchical Metropolitan Change Model (MCM) with Global and Local Linkages
Ron McCHESNEY, Ohio State Univ., Columbus, USA
Discussion: Clifford A. LIPSCOMB, Georgia Institute of Technology, Atlanta, USA

3:00–3:30, Refreshment Break

3:30–4:15
Transport Systems and Urban Equilibrium
Lars LUNDQVIST, Royal Institute of Technology, Stockholm, Sweden, and Tschangho John KIM, Univ. Illinois, Urbana-Champaign, USA
Discussion: Marlon G. BOARNET, Univ. California, Irvine, USA

4:15–5:00
Differentiating In and Outflows: A Multiple Discriminant Analysis
Jung Hoon HAN, Univ. Queensland, St. Lucia, Australia
Discussion: Geoffrey J.D. HEWINGS, Univ. Illinois, Urbana-Champaign, USA

Saturday, 1:30 – 5:00 PM
Paper Session 7E ~ Mauna Loa
Clusters and Agglomeration Externalities
Chair: Daisuke IKAZAKI, Kumamoto Gakuen Univ., Japan

1:30–2:15
Clusters and Intercluster Spillovers: Their Influence on the Performance of Canadian Information Technology Firms
Steven GLOBERMAN, Western Washington Univ., Bellingham, USA, Daniel SHAPIRO and Aidan VINING, Simon Fraser Univ., Vancouver, Canada
Discussion: Randall W. JACKSON, West Virginia Univ., Morgantown, USA

2:15–3:00
Output Effects of Agglomeration Externalities
Eckhardt BODE, Institute for World Economics, Kiel, Germany
Discussion: Börje JOHANSSON, Jönköping International Business School, Sweden

3:30–4:15
High-Tech Clusters: Tech Led Economic Development
Michael C. CARROLL, Bowling Green State Univ., Bowling Green, USA
Discussant: Olof EJERMO, Jönköping International Business School, Sweden

4:15–5:00
A Menagerie of Agglomeration and Network Externalities
Börje JOHANSSON, Jönköping International Business School, Sweden
Discussant: Sandy DALL’ERBA, Univ. Pau, France

Saturday, 1:30 – 5:00 PM
Paper Session 7F ~ Ilima
The Primary Sector: Management Issues
Chair: Keith CRIDDLE, Utah State Univ., Logan, USA

1:30–2:15
Genetically Modified Crops and Agricultural Landscapes: Spatial Patterns of Contamination
Ken BELCHER, James NOLAN, and Peter W.B. PHILLIPS, Univ. Saskatchewan, Saskatoon, Canada
Discussant: Gerald BOEKSEN, Oklahoma State Univ., Stillwater, USA

2:15–3:00
Price Discovery in Soybean Futures Market
Bahram ADRANGI, Univ. Portland, OR, USA
Discussant: Ghazi SHUKUR, Jönköping International Business School, Sweden

3:00–3:30, Refreshment Break

3:30–4:15
Regional Fishery Management Organizations: How to Reduce Effort and Select New Members?
Kim Hang Pham DO, Henk FOLMER, and Henk NORDE, Tillburg Univ., The Netherlands
Discussant: David T. TAYLOR, Univ. Wyoming, Laramie, USA

4:15–5:00
Economic Principles of Sustainable Multi-Use Fisheries Management
Keith R. CRIDDLE, Utah State Univ., Logan, USA
Discussant: Matthias RUTH, Univ. Maryland, College Park, USA

Saturday Afternoon Program Continues on Page 18...
Saturday 1:30 – 4:15 PM
Paper Session 7G ~ Plumeria
Patterns and Trends in Regional Development Around the World
Chair: Jae Ik KIM, Keimyung Univ., Daegu, Korea
1:30–2:15
The Roles of National Development Planning in the Era of Population Decrease
Jun-ya FUKUMOTO, Univ. Tokyo, Japan
Discussant: Robert READ, Univ. Lancaster, United Kingdom
2:15–3:00
The Transition to a National Banking System: The Effects of Mergers and Acquisitions
Audrey E. CLARKE, George Mason Univ., Fairfax, VA, and Brian P. HOLLY, U.S. Census Bureau, Washington, DC, USA
Discussant: Jared HAZLETON, Univ. North Texas, Denton, USA
3:00–3:30, Refreshment Break
3:30–4:15
The Cost of a Structural Change: A Large Automobile Plant in a Brazilian Less Developed Region
Luiz Ricardo CAVALCANTE and Simone UDERMAN, Univ. Illinois, Urbana-Champaign, USA
Discussant: Shaoming CHENG, George Mason Univ., Fairfax, VA, USA

5:00 PM, End of Conference

And Next Year…
We return to a WRSA favorite: San Diego
The Hyatt-Regency Islandia
February 23–26, 2005

Next year, the WRSA conference returns to one of the group’s long-time favorite cities: San Diego.
Seven previous Annual Meetings were held in San Diego at Vacation Village aka the Princess Resort. Those were in 1968, ’70, ’72, ’76, ’79, ’89, and, most recently, 1995. One memorable Annual Meeting, in 1985, took place at the Hotel del Coronado.
This time, a decade after our last visit, we’ll try out a different venue: the lovely Hyatt-Regency Islandia on the shores of Mission Bay.
The conference will begin with an opening session and reception on Wednesday afternoon, February 23.
Papers sessions will be held all day Thursday, Friday, and Saturday, February 24–26.
Get working on a paper for submission by the traditional October 15, 2004 deadline. This is one WRSA Meeting you won’t want to miss!

Winners of the Charles M. Tiebout Prize in Regional Science:

17th Competition 2003 (co-winners); Chokri Dridi, University of Illinois, Urbana-Champaign, and Bhanu Yerra, University of Minnesota

16th Competition 2002; Tracy Gordon, University of California, Berkeley

15th Competition 2001; Brian Mikelbank, Ohio State University

14th Competition 2000; Arno van der Vlist, Free University of Amsterdam

13th Competition 1999; Kara Kockelman, University of Texas, Austin

12th Competition 1998; Alexander C. Vias, University of Arizona

11th Competition 1997; Seong Woo Lee & Woo Suk Zhee, University of Southern California

10th Competition 1996; Steven P. Raphael, University of California, Berkeley

9th Competition 1995; David M. Levinson, University of California, Berkeley

8th Competition, 1994; Ricardo Gazel, University of Illinois

7th Competition, 1993; (cowinners) Hsin-Ping Chen, University of California, Irvine, and Alastair McFarlane, University of Michigan

6th Competition, 1992; Henry Buist, University of Pennsylvania

5th Competition, 1991; Katherine M. O’Regan, University of California, Berkeley

4th Competition, 1990; T. Wong, University of Manitoba

3rd Competition, 1989; Scott Campbell, University of California, Berkeley

2nd Competition, 1988; Stephen J. Appold, University of North Carolina

1st Competition, 1987; Timothy J. Fik, University of Arizona
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 Thursday Evening
4A, 4B, 4C, 4D, 4E, 4F, 4G on Friday Morning
5A, 5B, 5C, 5D, 5E, 5F on Friday Afternoon
6A, 6B, 6C, 6D, 6E, 6F, 6G on Saturday Morning
7A, 7B, 7C, 7D, 7E, 7F, 7G on Saturday Afternoon

PS = Pre-Conference Seminar on Tuesday
OS = Opening Session on Wednesday Afternoon
P1 = W-1133 Presentations on Thursday Morning
P2 = W-1133 Presentations on Thursday Afternoon
BM = W-1133 Business Meeting on Thursday Afternoon
WB = WRSA Board Meeting on Thursday Afternoon
AB = Annual Banquet Luncheon on Friday
P3 = W-1133 Presentations on Friday Afternoon

Roman typeface (regular font) indicates Paper presentations.
**Boldface** indicates Chair assignments.
*Italic* indicates Discussant assignments.

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The Springer-Verlag Prize

The Springer-Verlag Prize is presented annually at the Annual Banquet Luncheon by the Co-editors of the Association’s official journal: The Annals of Regional Science, which is owned and published by Springer-Verlag.

The prize recognizes the most outstanding paper at the Annual Meeting authored by a junior scholar or scholars, as selected by the editors of the Annals.

Six of the previous ten winners are scheduled to present papers at this year’s conference!


6th ~ 2001 ~ Mary C. Riddell, University of Nevada, Las Vegas. Presented at the 40th Annual Meeting, Palm Springs, California.


4th ~ 1999 ~ Stuart H. Sweeney, University of California, Santa Barbara, and Edward J. Feser, University of North Carolina, Chapel Hill. Presented at the 38th Annual Meeting, Ojai, California.


1st ~ 1996 ~ Harvey J. Miller, University of Utah. Presented at the 35th Annual Meeting, Napa, California.
Maps of Session Locations at the Wailea Marriott

The Wednesday opening session and Friday luncheon will be held in the Lokelani Ballroom, just off the main lobby of the hotel, and the Wed. and Fri. evening receptions on the Pacific Terrace: rooftop level.

All A, B, C, D, and G Sessions, as well as the W-1133 Presentations and Business Meeting, and the WRSA Board Meeting, will be held in rooms on the Lobby Level:

All E and F Sessions will be held on the Lower Level:
Notes: