Sunday, February 11
2:00–6:00 PM, Registration
3:30–5:15 PM, The 8th Annual Lay James Gibson Opening Session
5:30–7:00 PM, Welcoming Reception

Sunday, 3:30–5:15 PM

The 8th Annual Lay James Gibson Opening Session

Chair:
Lay James GIBSON, Univ. Arizona, Tucson, USA
and 39th WRSA President (1998–1999)

Future Look at Travel
Hasan IKHRATA,
Southern California Association of Governments,
Los Angeles, USA

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

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

For all participants and accompanying persons:
Everyone welcome!
Monday, February 12

8:00 AM–12:15 PM (and 1:00–4:45 PM),
Registration

8:30–10:00 AM, WRSA Board Meeting By invitation only

8:30 AM–12:00 PM, Concurrent Sessions:

1A Innovation and Growth
1B Income Distribution and Inequality
1C Population
1D Regional Economic Development Project Team Workshop Observers also welcome
1E Estimating Property and Land Values
1F Disasters, Land Use, and the Environment

10:00–10:30 AM, Coffee Break

12:00–1:30 PM, Lunch Break (On your own this day)

1:30–5:00 PM, Concurrent Sessions:

2A Economic Responses to Change
2B Quality of Life and Development
2C Spatial Demography
2D Labor Markets and Wages
2E Housing and Real Estate
2F Energy and Power
2G The Keith Schwer Memorial Western States Economic Outlook: After a Year of the Trump Administration

1:00–4:45 PM, Registration Continues

3:00–3:30 PM, Coffee Break

5:15–7:30 PM, 6th Annual Getis-Ord Lecture in Spatial Analysis

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Monday, 8:30–10:00 AM
WRSA Board Meeting
(By invitation only)

Convenor: Rachel S. FRANKLIN,
Brown Univ., Providence, Rhode Island, USA,
and WRSA Executive Director
Monday, 8:30 AM–12:00 PM

Paper Session 1A ~
Innovation and Growth
Chair: Karima KOURTIT,
Royal Inst. Technology (KTH), Stockholm, Sweden

8:30–9:15
Technology intensity and agglomeration economies
Jiaochen LIANG, California State Univ., Fresno, and Stephan GOETZ, Pennsylvania State Univ., University Park, USA
Discussant: Li FANG, Univ. Maryland, College Park, USA
9:15–10:00
The rural-urban broadband internet provision gap
Peter STENBERG, U.S. Dept. Agriculture, Washington, DC, USA
Discussant: Kwansoo KIM, Seoul National Univ., Korea

Coffee Break: 10:00–10:30

10:30–11:15
Regional employment and artificial intelligence in Japan
Keisuke KONDO, Research Inst. Economy, Trade and Industry, and Nobuaki HAMAGUCHI, Kobe Univ., Japan
Discussant: Veneziano ARAUJO, Univ. Federal de Sao Paulo, Brazil
11:15–12:00
Cross-industry effects of new business creation to regional employment growth: Capital versus non-capital regions
Yoojin YI and Euijune KIM, Seoul National Univ., Korea
Discussant: Karima KOURTIT, Royal Inst. Technology (KTH), Stockholm, Sweden

Monday, 8:30 AM–12:00 PM

Paper Session 1B ~
Income Distribution and Inequality
Chair: George HAMMOND, Univ. Arizona, Tucson, USA

8:30–9:15
Determining a method to change the mix of state sales and income tax rates which enhances economic growth and reduces inequality in a spatial model with free migration
Juan Carlos LOPEZ, Univ. Denver, Colorado, and Harvey CUTLER and Martin SHIELDS, Colorado State Univ., Fort Collins, USA
Discussant: Rodrigo PEREZ-SILVA, Ohio State Univ., Columbus, USA
9:15–10:00
Metropolitan governance structure and growth-inequality dynamics in the United States
Jaewoo CHO and Jae Hong KIM, Univ. California, Irvine, and Yonsu KIM, Local Initiative Health Authority for Los Angeles County, USA
Discussant: George HAMMOND, Univ. Arizona, Tucson, USA

Coffee Break: 10:00–10:30

10:30–11:15
Rising inequality and neighborhood mixing in US Metro Areas
Kevin KANE, Southern California Assoc. Governments, Los Angeles, and John R. HIPP, Univ. California, Irvine, USA
Discussant: Duncan ROTH, Inst. Employment Research, Germany
11:15–12:00
Stabilize the peasant economy: Governance of foreclosure by the Shogunate
Yu MANDAI, Osaka Municipal Library and Masaki NAKABAYASHI, Univ. Tokyo, Japan
Discussant: WEI KANG, Arizona State Univ., Tempe, USA
Monday, 8:30 AM–12:00 PM

Paper Session 1C ~ Population

Chair: Yuri MANSURY,
Illinois Inst. Technology, Chicago, USA

8:30–9:15
Influencing factors to have an additional child by working women in Korea
Insu CHANG, Korea Inst. Health and Social Affairs, and Daeyoung KWON and Brian H.S. KIM, Seoul National Univ., Korea
Discussant: Pengyu ZHU, Univ. Hong Kong, China

9:15–10:00
The location of hosted asylum seekers in OECD regions and cities
Paola PROIETTI, Gran Sasso Science Inst., Paolo VENERI, OECD and Gran Sasso Science Inst., and Alessandra FAGGIAN, Gran Sasso Science Inst., L’Aquila, Italy
Discussant: Hyunkyung LEE, Hanyang Univ., Korea

Coffee Break: 10:00–10:30

10:30–11:15
An empirical analysis of the role of rural population growth in electricity consumption in Sub-Saharan Africa
Nyakundi MICHIEKA, California State Univ., Bakersfield, USA
Discussant: Anthony ORLANDO, Univ. Southern California, Los Angeles, USA

11:15–12:00
The effects of a new administrative city construction on the relief of population overconcentration in Korea’s capital region
Ji Hyeon LEE and Myung Jin JUN, Chung-Ang Univ., Korea
Discussant: Anja ROSSEN, Inst. Employment Research (IAB), Germany

Monday, 8:30 AM–12:00 PM

Panel Session 1D ~ Regional Economic Development Project Team Workshop
(Observers also welcome)
Convenor: Timothy SLAPER,
Indiana Univ., Bloomington, USA
Monday, 8:30 AM–12:00 PM
Paper Session 1E ~ San Gabriel
Estimating Property and Land Values
Chair: Michael CARROLL,
Univ. North Texas, Denton, USA

8:30–9:15
Does local control bring more benefits to communities? Evidence from special districts and housing prices
Brian AN, Univ. Southern California, Los Angeles, USA
Discussant: Lina JONSSON, WSP Sverige AB, Sweden

9:15–10:00
Build rail and receive higher property value?—To grasp the change in property values
Lina JONSSON, WSP Sverige AB, Ingemar BENGTTSSON, Lund Univ., Peter ALMSTRÖM, WSP Sverige AB, and Fredrik KOPSCH, Lund Univ., Sweden
Discussant: Julia HARTEN, Univ. Southern California, Los Angeles, USA

10:00–10:30
Coffee Break

10:30–11:15
Land price variation between 2000 and 2014 as an effect of rail transit stations: The case of Dallas-Fort Worth region
Saad M. ALQUHTANI, Najran Univ., Saudi Arabia, and Art ANJOMANI, Univ. Texas, Arlington, USA
Discussant: Michael CARROLL, Univ. North Texas, Denton, USA

11:15–12:00
The impact of air quality on house prices: An investigation into the actual and perceived willingness to pay for clean air
Matt GNAGEY, Weber State Univ., Ogden, Utah, USA
Discussant: John CHO, Southern California Assoc. Governments, Los Angeles, USA

Monday, 8:30 AM–12:00 PM
Paper Session 1F ~ Disasters, Land Use, and the Environment
Chair: Noah DORMADY,
Ohio State Univ., Columbus, USA

8:30–9:15
The economic benefit of three-stage flood early warning system in Korea
Minjeong KANG and Donghwan AN, Seoul National Univ., Korea
Discussant: Katsuhiro SAKURAI, Rissho Univ., Japan

9:15–10:00
Evaluating the environmental load reduction in Mikawa Bay using the inter-regional input-output model
Katsuhiro SAKURAI, Rissho Univ., and Hiroyuki SHIBUSAWA and Risa OCHIAI, and Yuzuru MIYATA, Toyohashi Univ. Technology, Japan
Discussant: Dan WEI, Univ. Southern California, Los Angeles, USA

10:00–10:30
Coffee Break

10:30–11:15
Evaluating economic damage caused by the tsunami: A study on the resilience of Aichi Prefecture in Japan
Ryota HANAOKA, Hiroyuki SHIBUSAWA, and Yuzuru MIYATA, Toyohashi Univ. Technology, Japan
Discussant: Noah DORMADY, Ohio State Univ., Columbus, USA

11:15–12:00
The effects of the release of the greenbelt restrictions on land development in the case of medium size cities, Korea
Jae Ik KIM, Jun Yong HYUN, and Seom Gyeol LEE, Keimyung Univ., Korea
Discussant: Jonathan EYER, Univ. Southern California, Los Angeles, USA

Monday, 12:00–1:30 PM
Lunch Break (On your own this day)
Monday, 1:30–5:00 PM
Paper Session 2A ~
Economic Responses to Change
Chair: Peter STENBERG,
U.S. Dept. Agriculture, Washington, DC, USA

1:30–2:15
Analysis on the effectiveness and income redistribution effect of zero rating to value-added tax on machinery and materials for agriculture, livestock industry, forestry, or fishery
Sangwon LEE and Kwansoo KIM, Seoul National Univ., Korea
Discussant: Keisuke KONDO, Research Inst. Economy, Trade and Industry, Japan

2:15–3:00
The Ricardian model of climate change impact with interregional trade flows: Evidence from the U.S. agriculture
Zhangliang CHEN and Sandy DALL ERBA, Univ. Illinois, Urbana-Champaign, USA
Discussant: Yoojin YI, Seoul National Univ., Korea

3:30–4:15
Resilience to a cyber-attack on the automobile industry: A Computable General Equilibrium approach
Adam ROSE, Univ. Southern California, Los Angeles, and Zhenhua CHEN, Ohio State Univ., Columbus, USA
Discussant: Jiaochen LIANG, California State Univ., Fresno, USA

4:15–5:00
The effect of the 9/11 terrorist attacks on local tax levies for fire, police, and EMS departments
David BRASINGTON, Univ. Cincinnati, Ohio, USA
Discussant: Peter STENBERG, U.S. Dept. Agriculture, Washington, DC, USA

Monday, 1:30–5:00 PM
Paper Session 2B ~
Quality of Life and Development
Chair: Maria ABREU, Univ. Cambridge, United Kingdom

1:30–2:15
Integrative diversification of wellness tourism services in rural areas - An operational framework model applied to East Hokkaido (Japan)
João ROMÃO and Kazuo MACHINO, Hokkaido Univ., Japan, and Peter NIJKAMP, Tinbergen Inst., The Netherlands
Discussant: Maria ABREU, Univ. Cambridge, United Kingdom

2:15–3:00
Social capital creation through community place branding
Steven NELSON and Michael CARROLL, Univ. North Texas, Denton, USA
Discussant: Orsa KEKEZI, Jonkoping International Business School, Sweden

3:30–4:15
Urban quality of life and capabilities: An experimental study
Bianca BIAGI, Univ. Sassari / GSSI, L’Aquila, Italy
Discussant: Hans WESTLUND, Royal Inst. Technology (KTH)

4:15–5:00
The impact of social networks on local participation: A discrete choice experiment
Rixt BIJKER and Paul KOSTER, Free Univ. Amsterdam, and Eveline VAN LEEUWEN, Wageningen Univ., The Netherlands
Discussant: Alexandra TSVETKOVA, Ohio State Univ., Columbus, USA

Coffee Break: 3:00–3:30

Coffee Break: 3:00–3:30
Monday, 1:30–5:00 PM

**Paper Session 2C ~**

**Spatial Demography**

Chair: Bruce NEWBOLD, McMaster Univ, Hamilton, Ontario, Canada

1:30–2:15

*Can income based sorting modify patterns of ethnic segregation: Re-evaluating Schelling outcomes in neighborhoods in Sweden*

Bo MALMBERG, Stockholm Univ., Sweden, and William CLARK, Univ. California, Los Angeles, USA

Discussant: Özge ÖNER, Jönköping International Business School, Sweden

2:15–3:00

*Spatial metrics for urban population loss*

Rachel S. FRANKLIN and Eric SEYMOUR, Brown Univ., Providence, Rhode Island, USA

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

3:30–4:15

*Location choice of refugees in the hosting country—The Swedish case*

Özge ÖNER, Jönköping International Business School, Sweden, and Alessandra FAGGIAN, Gran Sasso Science Inst., L’Aquila, Italy

Discussant: Paola PROIETTI, Gran Sasso Science Inst., L’Aquila, Italy

4:15–5:00

*A people-based density perspective on physical/virtual world spaces in the microcosmic city*

David PLANE, Univ. Arizona, Tucson, USA, Wangshu MU, Univ. Arizona, Tucson, USA

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

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**Monday, 1:30–5:00 PM**

**Paper Session 2D ~**

**Labor Markets and Wages**

Chair: Gordon MULLIGAN, Univ. Arizona, Tucson, USA

1:30–2:15

*The role of delineating labour markets in estimating cohort size-wage effects*

Duncan ROTH, Inst. Employment Research, Germany

Discussant: Jae Hong KIM, Univ. California, Irvine, USA

2:15–3:00

*Knowledge spillovers and wage inequality: Side effects of concentrations of highly educated workers in U.S. metro areas*

Rodrigo PEREZ-SILVA and Mark D. PARTRIDGE, Ohio State Univ., Columbus, USA

Discussant: Gordon MULLIGAN, Univ. Arizona, Tucson, USA

3:30–4:15

*Agglomeration and firm wage inequality: Evidence from China*

Anping CHEN and Tianshi DAI, Jinan Univ., China, and Mark D. PARTRIDGE, Ohio State Univ., Columbus, USA

Discussant: Juan Carlos LOPEZ, Univ. Denver, Colorado, USA

4:15–5:00

*Gender income differentials in urban South Korea*

Yuri MANSURY, Illinois Inst. Technology, Chicago, USA

Discussant: Kevin KANE, Southern California Assoc. Governments, Los Angeles, USA
Monday, 1:30–5:00 PM
Paper Session 2E ~ San Gabriel
Housing and Real Estate
Chair: Jack OSMAN,
San Francisco State Univ., California, USA

1:30–2:15
Impact analysis of housing tax policies on housing demands using a Computable General Equilibrium model of housing market
Euijune KIM, Seoul National Univ., Inseok MOON, Savills Korea, Ayoung KIM, Mississippi State Univ., Starkville, USA, and Haeun JO, Seoul National Univ., Korea
Discussant: Brian AN, Univ. Southern California, Los Angeles, USA

2:15–3:00
The impact of leasehold status on apartment price
Herman DONNER, Royal Inst. Technology (KTH), Stockholm, and Fredrik KOPSCH, Lund Univ., Sweden
Discussant: Matt GNAGEY, Weber State Univ., Ogden, Utah, USA

Coffee Break: 3:00–3:30

3:30–4:15
Revisiting the informal housing challenge through the eyes of Tiebout and Alonso
Eric J. HEIKKILA and Julia HARTEN, Univ. Southern California, Los Angeles, USA
Discussant: Fredrik KOPSCH, Lund Univ., Sweden

4:15–5:00
Comparative study on predicting apartment price using arima and artificial neural network model
Tae Hyeong LEE and Myung Jin JUN, Chung-Ang Univ., Korea
Discussant: Art ANJOMANI, Univ. Texas, Arlington, USA

Monday, 1:30–5:00 PM
Paper Session 2F ~ Energy and Power
Chair: Matthias RUTH,
Northeastern Univ., Boston, Massachusetts, USA

1:30–2:15
Determinants of residential solar photovoltaic adoption
Makena COFFMAN, Scott ALLEN, and Sherilyn WEE, Univ. Hawaii, Manoa, USA
Discussant: Quan YUAN, Univ. Southern California, Los Angeles, USA

2:15–3:00
Who pays for retail electric deregulation?: Evidence of cross-subsidization from complete bill data
Noah DORMADY, Ohio State Univ., Columbus, Matthew HOYT, Exeter Associates, and Alfredo ROA-HENRIQUEZ and William WELCH, Ohio State Univ., Columbus, USA
Discussant: Matthias RUTH, Northeastern Univ., Boston, Massachusetts, USA

Coffee Break: 3:00–3:30

3:30–4:15
Economic consequences of and resilience to a disruption of petroleum trade: The role of seaports in U.S. energy security
Adam ROSE, Dan WEI, and Donald PAUL, Univ. Southern California, Los Angeles, USA
Discussant: Minjeong KANG, Seoul National Univ., Korea

4:15–5:00
A regional impact study of afforestation on climate change in Korea—Focusing on the economies of CO2 reduction
Yaerin YOON, Donghwan AN, and Kwansoo KIM, Seoul National Univ., Korea
Discussant: Chang SEUNG, NOAA Fisheries, USA
Monday, 1:30–5:00 PM
Panel Session 2G ~
The Keith Schwer Memorial Western States Economic Outlook: After a Year of the Trump Administration (Cosponsored by AUBER)
Chair: Richard WOBBEKIND, Univ. Colorado, Boulder, USA

Arizona
  George HAMMOND, Univ. Arizona, Tucson, USA
Southern California
  Raymond SFEIR, Chapman Univ., California, USA
Northern California
  Jeffrey MICHAEL, Univ. Pacific, Stockton, California, USA
Colorado
  Richard WOBBEKIND, Univ. Colorado, Boulder, USA

Coffee Break: 3:00–3:30

Nevada
  Stephen MILLER, Univ. Nevada, Las Vegas, USA
Utah
  Juliette TENNERT, Univ. Utah, Salt Lake City, USA
Washington
  R. Pete PARCELLS, Whitman College, Walla Walla, Washington, USA

Monday, 5:15–7:30 PM

6th Annual Getis-Ord Lecture in Spatial Analysis
Chair: Arthur GETIS, San Diego State Univ., California, USA

Rethinking History:
The Legacy of Earlier Technological Constraints
Michael F. GOODCHILD, Univ. California, Santa Barbara, USA

Discussant: Luc ANSELIN, Univ. Chicago, Illinois, USA

A reception will follow the lecture;
All session attendees welcome!
Tuesday, February 13
8:00 AM–12:15 PM (and 2:15–6:00 PM),
Registration

8:30 AM–12:00 PM, Concurrent Sessions:
3A Spatial Statistics and GIS
3B People and Place
3C Entrepreneurship
3D Inducing Innovation
3E Local Public Finance I
3F Environmental Economics I

10:00–10:30 AM, Coffee Break

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

2:15–6:00 PM, Registration Continues

2:30–6:00 PM, Concurrent Sessions:
4A Economic Development
4B Employment and Human Capital
4C Urban Spatial Structure and Agglomeration
4D Productivity and Trade
4E Local Public Finance II
4F Environmental Economics II

4:00–4:30 PM, Coffee Break

6:15–7:45 PM, President’s Reception

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Tuesday, 8:30 AM–12:00 PM

Paper Session 3A ~
Spatial Statistics and GIS
Chair: Sergio REY, Univ. California, Riverside, USA

8:30–9:15
A spatial perspective on the econometrics of program evaluation
Luc ANSELIN and Marynia KOLAK, Univ. Chicago, Illinois, USA
Discussant: Sandy DALL ERBA, Univ. Illinois, Urbana-Champaign, USA

9:15–10:00
Regional and local analyses of TANF policy choices during the Great Recession
Jaewon LIM and Vicky N. ALBERT, Univ. Nevada, Las Vegas, USA
Discussant: Isha RAJBHANDARI, Univ. Puget Sound, Tacoma, Washington, USA

10:30–11:15
Assessing performance of global and local indicators of mobility association under spatial autocorrelation
WEI KANG, Arizona State Univ., Tempe, and Sergio REY, Univ. California, Riverside, USA
Discussant: Arthur GETIS, San Diego State Univ., California, USA

Coffee Break: 10:00–10:30

11:15–12:00
Spatial analytics for exploring retail gasoline price variability
Jing XU and Alan MURRAY, Univ. California, Santa Barbara, USA
Discussant: Sergio REY, Univ. California, Riverside, USA
Tuesday, 8:30 AM–12:00 PM

Paper Session 3B ~ People and Place
Chair: Jouke VAN DIJK,
Waddenacademie/Univ. Groningen, The Netherlands

8:30–9:15
Rail transit station openings and household mobility decisions
Seva RODNYANSKY, Univ. Southern California, Los Angeles, and Allen PROHOFSKY, California Franchise Tax Board, USA
Discussant: Robert MANDUCA, Harvard Univ., Cambridge, Massachusetts, USA
9:15–10:00
Insights into public transit use by Millennials: The Canadian experience
Bruce NEWBOLD and Darren SCOTT, McMaster Univ., Hamilton, Ontario, Canada
Discussant: Seva RODNYANSKY, Univ. Southern California, Los Angeles, USA

10:00–10:30
Coffee Break

10:30–11:15
Bumsoo LEE, Univ. Illinois, Champaign-Urbana, and Yongsoong LEE, Georgia Inst. Technology, Atlanta, USA
Discussant: Bo MALMBERG, Stockholm Univ., Sweden

11:15–12:00
Housing and residential location choice of older movers: Implications in an aged society
Sungyop KIM, Univ. Missouri, Kansas City, USA
Discussant: Jouke VAN DIJK, Waddenacademie/Univ. Groningen, The Netherlands

Tuesday, 8:30 AM–12:00 PM

Paper Session 3C ~ Entrepreneurship
Chair: Eveline VAN LEEUWEN,
Wageningen Univ., The Netherlands

8:30–9:15
The entrepreneurship of rural migrants in urbanizing China
Pengyu ZHU, Univ. Hong Kong, China
Discussant: Bianca BIAGI, Univ. Sassari / GSSI, L’Aquila, Italy
9:15–10:00
Feeling good? Household heterogeneity and spatial variations in entrepreneurial wellbeing
Maria ABREU, Univ. Cambridge, United Kingdom, Özge ÖNER, Jönköping International Business School, Sweden, Aleid BROUWER, Univ. Groningen, and Eveline VAN LEEUWEN, Wageningen Univ., The Netherlands
Discussant: Steven NELSON, Univ. North Texas, Denton, USA

10:00–10:30
Coffee Break

10:30–11:15
Political institutional change and local entrepreneurship: How does a change in the municipal government impact the local business climate?
Orsa KEKEZI, Johan P. LARSSON, and Özge ÖNER, Jönköping International Business School, Sweden
Discussant: Eveline VAN LEEUWEN, Wageningen Univ., The Netherlands

11:15–12:00
Knowledge-based service economy and firm entry: An alternative to the Knowledge Spillover Theory of Entrepreneurship
Alexandra TSVETKOVA and Mark D. PARTRIDGE, Ohio State Univ., Columbus, USA
Discussant: João ROMÃO, Hokkaido Univ., Japan
Tuesday, 8:30 AM–12:00 PM

**Paper Session 3D ~ Inducing Innovation**

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

8:30–9:15
**The spatial scale of (all) industrial clusters and their effect on innovation**
Li FANG, Univ. Maryland, College Park, USA
Discussant: Therese NORMAN-MONROE, Jönköping International Business School, Sweden

9:15–10:00
**Social capital, local protectionism and regional innovation in China**
Ailun XIONG, Chongqing Univ. Technology and Business, China, Hans WESTLUND, Royal Inst. Technology (KTH), Sweden, and Hongyi LI, Chinese Univ. Hong Kong, China
Discussant: Janet KOHLHASE, Univ. Houston, Texas, USA

Coffee Break: 10:00–10:30

10:30–11:15
**Determinants of innovation in Brazilian regions: Evidence from spatial panel data.**
Veneziano ARAUJO, Univ. Federal de Sao Paulo, and Renato GARCIA, Univ. Campinas, Brazil
Discussant: Cheng XU, George Washington Univ., Washington, DC, USA

11:15–12:00
**Agglomeration, regional social capital, and entrepreneurship**
Jae Beum CHO, Cornell Univ., Ithaca, New York, USA
Discussant: Yuting HOU, Singapore Univ. Technology and Design

Tuesday, 8:30 AM–12:00 PM

**Paper Session 3E ~ San Gabriel**

Local Public Finance I

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

8:30–9:15
**Public-private projects, (3Ps), financing of urban healthcare infrastructure in Québec**
Michael FARRELL, Univ. Québec, Canada
Discussant: Mehmet TOSUN, Univ. Nevada, Reno, USA

9:15–10:00
**Are casinos cannibals or anchors?**
Karl GEISLER, New Mexico State Univ., Las Cruces, and Mark W. NICHOLS, Univ. Nevada, Reno, USA
Discussant: Steven CRAIG, Univ. Houston, Texas, USA

Coffee Break: 10:00–10:30

10:30–11:15
**Public provision of a private good: The case of police response to electronic alarms**
Erwin A. BLACKSTONE and Simon HAKIM, Temple Univ., Philadelphia, Pennsylvania, and Brian MEEHAN, Berry College
Discussant: Peter GORDON, Univ. Southern California, Los Angeles, USA

11:15–12:00
**Creative accounting under negotiations about municipal mergers**
Tsuyoshi GOTO, Mika KANDA, and Genki YAMAMOTO, Osaka Univ., Japan
Discussant: Åsa HANSSON, Royal Inst. Technology (KTH), Stockholm, Sweden
Tuesday, 8:30 AM–12:00 PM

**Paper Session 3F ~ Environmental Economics I**
Chair: Makena COFFMAN, Univ. Hawaii, Manoa, USA

8:30–9:15
**Impacts of the Great East Japan Earthquake on manufacturing production: Using spatial econometric model**
Suminori TOKUNAGA, Reitaku Univ., and Maria IKEGAWA, MAFF, Japan
Discussant: Makena COFFMAN, Univ. Hawaii, Manoa, USA

9:15–10:00
**Incorporating risk and uncertainty in the estimation of benefits for Benefit-Cost Analysis**
Steven PIPER, Bureau of Reclamation, USA
Discussant: Yaerin YOON, Seoul National Univ., Korea

Coffee Break: 10:00–10:30

10:30–11:15
**Correlates between urban land use and manufacturing industries characteristics and energy consumption**
Hyunsoo KIM, Yunju LEE, Jaesong LEE, and Yeol CHOI, Pusan National Univ., Korea
Discussant: Hyojung LEE, Harvard Univ., Cambridge, Massachusetts, USA

11:15–12:00
**Agriculture’s transformation and land use change in a post-urban region: A case study of the Stockholm metropolitan region**
Hans WESTLUND, Royal Inst. Technology (KTH), and Pia NILSSON, Jönköping International Business School, Sweden
Discussant: Myung Jin JUN, Chung-Ang Univ., Korea

Tuesday, 12:15–2:15 PM

**Annual Banquet Luncheon**
Chair: Alan MURRAY
Univ. California, Santa Barbara, USA
and 58th WRSA President (2017–2018)

**Announcements:**
Rachel S. FRANKLIN, WRSA Executive Director

**The 22nd Springer-Verlag Prize:**
Euijune KIM and Janet KOHLHASE
Editors, *The Annals of Regional Science*

**The 32nd Charles M. Tiebout Prize:**
*Presented by:* Bruce NEWBOLD
Chair 2017–2018 Reading Committee
56th WRSA President (2015–2016)

**NARSC Award Presentation:**
Mark D. PARTRIDGE, Ohio State Univ., Columbus, USA

**Presidential Address:**
Regional Science in a Resource-Constrained World
Matthias RUTH, 59th WRSA President (2018–2019)

**Discussant:**
Geoffrey HEWINGS
Univ. Illinois, Urbana-Champaign, USA
and 48th WRSA President (2007–2008)
Tuesday, 2:30–6:00 PM

**Paper Session 4A ~ Economic Development**

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

2:30–3:15

*The “New Silk Road” in the context of Eurasia’s post-1960 trade trajectory*

Nathan HUTSON, Univ. Southern California, Los Angeles, USA

Discussant: Euijune KIM, Seoul National Univ., Korea

3:15–4:00

*History versus expectations in economic geography: An experimental analysis*

Stein ØSTBYE, Uit The Arctic Univ., Norway

Discussant: Eric J HEIKKILA, University of Southern California

4:30–5:15

*Poverty and nongovernmental organizations in Nepal: Some distributional observations*

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

Discussant: Lay James GIBSON, Univ. Arizona, Tucson, USA

5:15–6:00

*Measuring the long-term regional economic impacts of high-speed rail in China: Using a dynamic SCGE model*

Zhenhua CHEN, Ohio State Univ., Columbus, USA

Discussant: Roger R. STOUGH, George Mason Univ., Fairfax, Virginia, USA

Coffee Break: 4:00–4:30

Tuesday, 2:30–6:00 PM

**Paper Session 4B ~ Employment and Human Capital**

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

2:30–3:15

*The fate of the middleman in the information age: The role of human capital in the growth of wholesale services in Sweden*

Therese NORMAN-MONROE, Jönköping International Business School, Sweden

Discussant: Marynia KOLAK, Univ. Chicago, Illinois, USA

3:15–4:00

*Boomtowns and occupations: Types of jobs created by shale gas boom*

Isha RAJBHANDARI, Univ. Puget Sound, Tacoma, Washington, Alessandra FAGGIAN, Gran Sasso Science Inst., L’Aquila, Italy, and Mark D. PARTRIDGE, Ohio State Univ., Columbus, USA

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

Coffee Break: 4:00–4:30

4:30–5:15

*Labor force diversity and firm survival*

Mikaela BACKMAN, Jönköping International Business School, Sweden, and Janet KOHLHASE, Univ. Houston, Texas, USA

Discussant: Alessandra FAGGIAN, Gran Sasso Science Inst., L’Aquila, Italy

5:15–6:00

*Regional preferences for living environment and mobility of researchers and general workers*

Hyunkyung LEE and Hongbae KIM, Hanyang Univ., Korea

Discussant: Mark D. PARTRIDGE, Ohio State Univ.
Tuesday, 2:30–6:00 PM

Paper Session 4C ~

Urban Spatial Structure and Agglomeration
Chair: David PLANE, Univ. Arizona, Tucson, USA

2:30–3:15
The intra-urban spatial interactions among employment centers: Evidence from commuting patterns in the Los Angeles metropolitan area
Yuting HOU, Singapore Univ. Technology and Design
Discussant: Eric SEYMOUR, Brown Univ., Providence, Rhode Island, USA

3:15–4:00
Asset markets, credit markets, and inequality: Distributional changes in housing, 1970–2016
Anthony ORLANDO, Univ. Southern California, Los Angeles, USA
Discussant: Jaewon LIM, Univ. Nevada, Las Vegas, USA

4:00–4:30
Coffee Break

2:30–3:15
The spatial structure of U.S. metropolitan employment: New insights from LODES data
Robert MANDUCA, Harvard Univ., Cambridge, Massachusetts, USA
Discussant: David PLANE, Univ. Arizona, Tucson, USA

5:15–6:00
Agglomeration in Southern California
Peter GORDON, Univ. Southern California, Los Angeles, and John CHO, Southern California Assoc. Governments, Los Angeles, USA
Discussant: Peter NIJKAMP, Tinbergen Inst., The Netherlands

Tuesday, 2:30–6:00 PM

Paper Session 4D ~

Productivity and Trade
Chair: Geoffrey HEWINGS,
Univ. Illinois, Urbana-Champaign, USA

2:30–3:15
Incorporating port-level foreign trade data into IMPLAN’s gravity model to estimate region-specific foreign trade rates
Jennifer THORVALDSON and James SQUIBB, IMPLAN Group, USA
Discussant: Geoffrey HEWINGS, Univ. Illinois, Urbana-Champaign, USA

3:15–4:00
Identifying coal impacted counties: A county-level supply chain analysis
Randall JACKSON and Péter JÁROSI, West Virginia Univ., Morgantown, USA
Discussant: Timothy SLAPER, Indiana Univ., Bloomington, USA

4:00–4:30
Coffee Break

4:30–5:15
Evaluating the spatial effects of tourism consumption: A municipalities Input-Output model
Hiroyuki SHIBUSAWA and Naoki SAKAIBARA, Toyohashi Univ. Technology, and Katsuhiro SAKURAI, Rissho Univ., Japan
Discussant: Randall JACKSON, West Virginia Univ., Morgantown, USA

5:15–6:00
Big-box retailers, retail employment and wage
Denis J. PERALTA, Zion Bank Corp., and Man-Keun KIM, Utah State Univ., Logan, USA
Discussant: Jae Beum CHO, Cornell Univ., Ithaca, New York, USA
Tuesday, 2:30–6:00 PM
Paper Session 4E ~ San Gabriel
Local Public Finance II
Chair: David BRASINGTON, Univ. Cincinnati, Ohio, USA

2:30–3:15
Inequality in public school expenditures across space and time
Christopher BIOLS, Western Kentucky Univ., Steven CRAIG, Univ. Houston, Texas, Amrita DHAR, Univ. Mary Washington, Virginia, and Bent E. SORENSSEN, Univ Houston and CEPR, Texas, USA
Discussant: David BRASINGTON, Univ. Cincinnati, Ohio, USA

3:15–4:00
How incentives for regional co-financing depends on the type of investment
Matts ANDERSSON and Åsa HANSSON, Royal Inst. Technology (KTH), Stockholm, and Fredrik KOPSCH, Lund Univ., Sweden
Discussant: Michael FARRELL, Univ. Québec, Canada

Coffee Break: 4:00–4:30

4:30–5:15
What determines tax incentives and how effective are they?
Åsa HANSSON, Royal Inst. Technology (KTH), Stockholm, Sweden, and Susan PORTER, Univ. Virginia, Charlottesville, USA
Discussant: Tsuyoshi GOTO, Osaka Univ., Japan

5:15–6:00
State and local sales taxes and business activity in the United States
Mehmet TOSUN, Univ. Nevada, Reno, USA
Discussant: Simon HAKIM, Temple Univ., Philadelphia, Pennsylvania, USA

Tuesday, 2:30–6:00 PM
Paper Session 4F ~
Environmental Economics II
Chair: Adam ROSE, Univ. Southern California, Los Angeles, USA

2:30–3:15
A multi-regional economic impact analysis of Alaska salmon fishery failures
Chang SEUNG, NOAA Fisheries, USA
Discussant: Jae Ik KIM, Keimyung Univ., Korea

3:15–4:00
Export diversification and ecological footprint: A comparative study on EKC theory among Korea, Japan and China
Hongbo LIU and Hanho KIM, Seoul National Univ., Korea
Discussant: Adam ROSE, Univ. Southern California, Los Angeles, USA

Coffee Break: 4:00–4:30

4:30–5:15
Big freight magnets in my backyard: A longitudinal study of environmental justice in warehousing location
Quan YUAN, Univ. Southern California, Los Angeles, USA
Discussant: Jieun JEONG, Gyeonggi Research Inst., Korea

5:15–6:00
New development, redevelopment and land surface temperature
Jae Ik KIM and Bonil GOO, Keimyung Univ., and Chang Hwan YEO, Daegu Univ., Korea
Discussant: Steven PIPER, Bureau of Reclamation, USA
**2018 Program**

**President’s Reception**

Tuesday, 6:15–7:45 PM

For all participants and accompanying persons

With the generous support of Northeastern University, Boston, Massachusetts, USA

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**Wednesday, February 14**

8:00 AM–12:15 PM, Registration

8:30–12:00 PM, Concurrent Sessions:

- **5A** GIS and Locational Analysis I
- **5B** Transportation I
- **5C** Location Matters
- **5D** Development in Remote Regions
- **5E** The Regional Science Academy Session
- **5F** Dealing with Disasters

10:00–10:30 AM, Coffee Break

12:00–1:30 PM, Lunch Break (On your own this day)

12:00–1:30 PM, Annals of Regional Science Editorial Board Meeting By invitation only

1:30–5:00 PM, Concurrent Sessions:

- **6A** GIS and Locational Analysis II
- **6B** Transportation II
- **6C** Mobility and Migration
- **6D** Borders and Trade

3:00–3:30 PM, Coffee Break

(5:00 PM, End of Conference)
Wednesday, 8:30 AM–12:00 PM

Paper Session 5A ~
GIS and Locational Analysis I
Chair: Daoqin TONG, Arizona State Univ., Tempe, USA

8:30–9:15

Addressing spatial allocation: Planning for drone-based emergency medical service
Xin FENG and Alan MURRAY, Univ. California, Santa Barbara, USA
Discussant: Wen CHENG, California State Polytechnic Univ., USA

9:15–10:00

Understanding the effects of attribute scale and connectivity on GIS raster network analysis
F. Antonio MEDRANO and Rick CHURCH, Univ. California, Santa Barbara, USA
Discussant: Daoqin TONG, Arizona State Univ., Tempe, USA

Coffee Break: 10:00–10:30

10:30–11:15

Built environment contributing factors to a dominant collision type at intersection level
Dohyung KIM, California State Polytechnic Univ., Pomona, Tom VO, Southern California Assoc. Governments, Los Angeles, and Hina M. CHANCHLANI, California Polytechnic State Univ., Pomona, USA
Discussant: F. Antonio MEDRANO, Univ. California, Santa Barbara, USA

11:15–12:00

Identification of high crash-risk zones in Southern California
Yongping ZHANG, California State Univ., Tom VO and Frank WEN, Southern California Assoc. Governments, Los Angeles, and Gurdiljot GILL and Wen CHENG, California State Polytechnic Univ., USA
Discussant: Alan MURRAY, Univ. California, Santa Barbara, USA

Wednesday, 8:30–11:15 AM

Paper Session 5B ~
Transportation I
Chair: Genevieve GIULIANO,
Univ. Southern California, Los Angeles, USA

8:30–9:15

Would gasoline cars vanish in 8 years?
Tschangho John KIM, Univ. Illinois, Urbana-Champaign, USA
Discussant: Aisling REYNOLDS-FEIGHAN, Univ. College Dublin, Ireland

9:15–10:00

The influence of attitudes on university bicycle commuting: Considering bicycling experience levels
Mi NAMGUNG, Pusan National Univ., and Hee-Jung JUN, Sungkyunkwan University, Korea
Discussant: Genevieve GIULIANO, Univ. Southern California, Los Angeles, USA

Coffee Break: 10:00–10:30

10:30–11:15

The CTPP workplace data for transportation planning: A systematic review
Jung SEO, Tom VO, Southern California Assoc. Governments, Los Angeles, Shinhee LEE, Univ. Southern California, Los Angeles, Frank WEN, Southern California Assoc. Governments, Los Angeles, USA, and Simon CHOI, Chung-Ang Univ., Korea
Discussant: Zhenhua CHEN, Ohio State Univ., Columbus, USA
Wednesday, 8:30 AM–12:00 PM

Paper Session 5C ~
Location Matters
Chair: Mark BROWN, Statistics Canada, Ottawa

8:30–9:15
Warehouse location choice: A case study in Los Angeles, CA
Sanggyun KANG, Univ. Southern California, Los Angeles, USA
Discussant: Man-Keun KIM, Utah State Univ., Logan, USA

9:15–10:00
Dynamics of retail colocation using longitudinal geo-coded data
Özge ÖNER and Johan P. LARSSON, Jönköping International Business School, Sweden
Discussant: Mark BROWN, Statistics Canada, Ottawa

Coffee Break: 10:00–10:30

10:30–11:15
Firm relocation and age-dependent reliance on agglomeration externalities
Yoojin YI, Seoul National Univ., Korea
Discussant: Karl GEISLER, New Mexico State Univ., Las Cruces, USA

11:15–12:00
Spatial agglomeration and firm performance in the U.S.
Ayoung KIM, Mississippi State Univ., Starkville, and Michael S. DELGADO, Purdue Univ., West Lafayette, Indiana, USA
Discussant: Matts ANDERSSON, Royal Inst. Technology (KTH), Stockholm, Sweden

Wednesday, 8:30 AM–12:00 PM

Panel Session 5D ~
Development in Remote Regions
Chair: Douglas N. JONES, Ohio State Univ., Columbus, USA

Resource development rents: Can it promote indigenous community sustainable development?
Thierry RODO, Laval Univ., Québec, Stephan Stephan SCHOTT, Carleton Univ., and Isabel LEMUS-LAUZON, Laval Univ., Québec, Canada

Breaking up was hard to do: The cost of ending the Faro Mine project
Chris SOUTHCOTT, Lakehead Univ., Canada, and Lee HUSKEY, Univ. Alaska, Anchorage, USA

On contractual arrangements in remote regions
Agnès FESTRÉ, Univ. Nice, France, and Stein ØSTBYE and Jan Yngve SAND, UiT The Arctic Univ., Norway

Coffee Break: 10:00–10:30

Federal contracting with regional Alaska Native Corporations: The changing mix of competitive and noncompetitive contracts
Greg PROTASEL, Univ. Alaska, Anchorage, USA

Racism, economics and identity: What the Alaska state seal should portray
Terrence COLE, Univ. Alaska, Fairbanks, USA
Wednesday, 8:30 AM–12:00 PM

**Paper Session 5E ~ San Gabriel**

**The Regional Science Academy Session**

Chair: Peter NIJKAMP, Tinbergen Inst., The Netherlands

**Great Mind Presentation: Waldo Tobler**

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

**Urban cultural vanguards**

Edward GLAESER, Harvard Univ., Cambridge, Massachusetts, USA, Karima KOURTIT, Royal Inst. Technology (KTH), Stockholm, Sweden, and Peter NIJKAMP, Tinbergen Inst., The Netherlands

**Frontiers of entrepreneurship and economic development research**

Roger R. STOUGH, George Mason Univ., Fairfax, Virginia, USA

Great Mind Presentation: Waldo Tobler

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

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Frontiers of entrepreneurship and economic development research

Roger R. STOUGH, George Mason Univ., Fairfax, Virginia, USA

**Ex Libris Session:**

**Johan Von Thunen: Der Isolierte Staat un Beziehung und Landwirt Schaft und Nationalokonomie**

Antoine BAILLY, Univ. Genève, Switzerland

**John A. Chipman: External Economies of Scale and Competitive Equilibrium, QJE, 84(3), 347–385**

Yoshiro HIGANO, Univ. Tsukuba, Japan


David PLANE, Univ. Arizona, Tucson, USA

**Solving the p-median problem on regular and lattice networks**

Rick CHURCH and Shaohua WANG, Univ. California, Santa Barbara, USA

**Impacts of negative spatial autocorrelation on frequency distributions**

Daniel A. GRIFFITH, Univ. Texas, Dallas, USA

Coffee Break: 10:00–10:30

Wednesday, 8:30 AM–12:00 PM

**Paper Session 5F ~ Dealing with Disasters**

Chair: Hiroyuki SHIBUSAWA, Toyohashi Univ. Technology, Japan

8:30–9:15

**How global trade is fueling California's Great Draught: Teleconnecting local production to global consumption using a nested MRIO approach**

ChangKeun PARK, Korea Environment Inst., Jiyoung PARK, Univ. Buffalo, New York, Kuishuang FENG, Univ. Maryland, College Park, USA, and Klaus HUBACEK, Univ. Maryland, College Park, USA

Discussant: Suminori TOKUNAGA, Reitaku Univ., Japan

9:15–10:00

**Estimating the long-term effects of Hurricane Katrina**

Hyojung LEE, Harvard Univ., Cambridge, Massachusetts, and Gary D. PAINTER, Univ. Southern California, Los Angeles, USA

Discussant: Nathan HUTSON, Univ. Southern California, Los Angeles, USA

Coffee Break: 10:00–10:30

10:30–11:15

**Economic impacts of migration and brain drain after Hurricane Katrina**

Qin FAN, California State Univ., Fresno, and Meri DAVLASHERIDZE, Texas A&M Univ., Galveston, USA

Discussant: Yeol CHOI, Pusan National Univ., Korea

11:15–12:00

**The effect of disasters on migration destinations: Evidence from Hurricane Katrina**

Jonathan EYER and Adam ROSE, Univ. Southern California, Los Angeles, Robert DINTERMAN, Ohio State Univ., Columbus, and Noah MILLER, Univ. Southern California, Los Angeles, USA

Discussant: Qin FAN, California State Univ., Fresno, USA

Lunch Break (On your own this day)
Wednesday, 1:30–5:00 PM

Paper Session 6A ~
GIS and Locational Analysis II
Chair: Daniel A. GRIFFITH, Univ. Texas, Dallas, USA

1:30–2:15
Comparisons of logistic regression and artificial neural networks in predicting urban land use conversion in Seoul
Myung Jin JUN, Chung-Ang Univ., Korea
Discussant: Daniel A. GRIFFITH, Univ. Texas, Dallas, USA

2:15–3:00
Simultaneous investigation of different severity crashes on roadway segments using highway safety information systems data of California
Gurdiljot GILL, Wen CHENG, California State Polytechnic Univ., Yongping ZHANG, California State Univ., and Tom VO and Frank WEN, Southern California Assoc. Governments, Los Angeles, USA
Discussant: Xin FENG, Univ. California, Santa Barbara, USA

3:00–3:30
Coffee Break

3:30–4:15
Location Analysis: Developments on the horizon
Daoqin TONG, Arizona State Univ., Tempe, USA, Alan MURRAY, Univ. California, Santa Barbara, USA
Discussant: Yongping ZHANG, California State Univ., USA

4:15–5:00
Food accessibility and food diversity: Exploring the role of small independent grocers from a spatial-temporal perspective
Yang BAO, Univ. Arizona, Tucson, Daoqin TONG, Arizona State Univ., Tempe, and David PLANE and Stephanie BUECHLER, Univ. Arizona, Tucson, USA
Discussant: Dohyung KIM, California State Polytechnic Univ., Pomona, USA

Wednesday, 1:30–4:15 PM

Paper Session 6B ~
Transportation II
Chair: Rick CHURCH, Univ. California, Santa Barbara, USA

1:30–2:15
Application of the archived data management system to analyze intra-metropolitan variation in highway traffic performance
Genevieve GIULIANO, Univ. Southern California, Los Angeles, USA, Sandip CHAKRABARTI, India Inst. Management
Discussant: Jung SEO, Southern California Assoc. Governments, Los Angeles, USA

2:15–3:00
The impacts of bus rapid transit (brt) and subway stations on land use change in the Seoul metropolitan area
Jieun JEONG, Gyeonggi Research Inst., and Kihyun KWON and Myung Jin JUN, Chung-Ang Univ., Korea
Discussant: Mi NAMGUNG, Pusan National Univ., Korea

3:00–3:30
Coffee Break

3:30–4:15
Air traffic flow analysis in major global regions
Aisling REYNOLDS-FEIGHAN, Univ. College Dublin, Ireland
Discussant: Rick CHURCH, Univ. California, Santa Barbara, USA
Wednesday, 1:30–4:15 PM
Paper Session 6C ~ Mobility and Migration
Chair: Daniel CROWN, Ohio State Univ., Columbus, USA

1:30–2:15
High-skilled immigration and the skill composition of native workers
Daniel CROWN, Ohio State Univ., Columbus, USA, Alessandra FAGGIAN, Gran Sasso Science Inst., L’Aquila, Italy, and Jonathan CORCORAN, Univ. Queensland, Brisbane, Australia
Discussant: Rachel S. FRANKLIN, Brown Univ., Providence, Rhode Island, USA

2:15–3:00
Graduate migration in Germany—New evidence from an event history analysis
Christian TEICHERT, Univ. Hannover, and Annekatrin NIEBUHR, Anja ROSEN, and Anne OTTO, Inst. Employment Research (IAB), Germany
Discussant: Stein ØSTBYE, Uit The Arctic Univ. Norway

Coffee Break: 3:00–3:30

3:30–4:15
International commuting from border regions in the Netherlands, Germany and Belgium
Jouke VAN DIJK, Waddenacademie/Univ. Groningen, The Netherlands
Discussant: Daniel CROWN, Ohio State Univ., Columbus, USA

Wednesday, 1:30–5:00 PM
Paper Session 6D ~ Borders and Trade
Chair: Kingsley HAYNES, George Mason Univ., Fairfax, Virginia, USA

1:30–2:15
Future port development strategies for reconstructing North Korea after reunification
Discussant: Jennifer THORVALDSON, IMPLAN Group, USA

2:15–3:00
Measuring and anticipating territories vulnerability to the risks of offshoring activities
El Mouhoub MOUHOUD, Univ. Paris Dauphine, France
Discussant: Ayoung KIM, Mississippi State Univ., Starkville, USA

Coffee Break: 3:00–3:30

3:30–4:15
Automation and offshoring in durable goods manufacturing in Indiana
Timothy SLAPER, Indiana Univ., Bloomington, USA
Discussant: Sanggyun KANG, Univ. Southern California, Los Angeles, USA

4:15–5:00
Estimating the effect of changing Canada-US border costs on North American trade patterns and expenditures
Mark BROWN, Afshan DAR-BRODEUR, and Jay DIXON, Statistics Canada, Ottawa
Discussant: El Mouhoub MOUHOUD, Univ. Paris Dauphine, France

(Conference ends at 5:00 PM)
## Program Participant Locator

Session assignments are listed following each participant’s name:

1A, 1B, 1C, 1D, 1E, 1F on Monday Morning  
2A, 2B, 2C, 2D, 2E, 2F, 2G on Monday Afternoon  
3A, 3B, 3C, 3D, 3E, 3F on Tuesday Morning  
4A, 4B, 4C, 4D, 4E, 4F on Tuesday Afternoon  
5A, 5B, 5C, 5D, 5E, 5F on Wednesday Morning  
6A, 6B, 6C, 6D on Wednesday Afternoon  

OS = Opening Session on Sunday Afternoon  
WB = WRSA Board Meeting on Monday Morning  
AL = Annual Banquet Luncheon on Tuesday

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

### ~A~

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<td>CHANCHLANI, Hina M.</td>
<td>5A</td>
<td><a href="mailto:hmchanchlani@cpp.edu">hmchanchlani@cpp.edu</a></td>
<td></td>
</tr>
</tbody>
</table>
CHANG, Insu (sescis@kihasa.re.kr): 1C
CHEN, Anping (anping.chen@hotmail.com): 2D
CHEN, Zhangliang (zchen105@illinois.edu): 2A
CHEN, Zhenhua (chen.7172@osu.edu): 2A, 4A, 5B
CHENG, Wen (wcheng@cpp.edu): 5A, 5A, 6A
CHO, Dongin (did9535@buffalo.edu): 6D
CHO, Jae Beum (jc2664@cornell.edu): 3D, 4D
CHO, Jaewoo (jaewoo4@uci.edu): 1B
CHO, John (choj@scag.ca.gov): 1E, 4C
CHOI, Simon (trojanchoi93@gmail.com): 5B
CHOI, Yeol (yeolchoi@pusan.ac.kr): 3F, 5F
CHURCH, Rick (church@geog.ucsb.edu): 5A, 5E, 6B, 6B, WB
CLARK, William (wclark@geog.ucla.edu): 2C
COFFMAN, Makena (makenaka@hawaii.edu): 2F, 3F, 3F, WB
COLE, Terrence (terrencecole1@gmail.com): 5D
CORCORAN, Jonathan (j.j.corcoran@uq.edu): 6C
DAVLASHERIDZE, Meri (davlashm@tamug.edu): 5C
DAR-BRODEUR, Afshan (afshan.dar-brodeur@canada.ca): 6D
DAVLA BRIDGE, Sandy (dallerba@illinois.edu): 2A, 3A, WB
DENG, Xin (xin.feng@geog.ucsb.edu): 5A, 6A
FESTRÉ, Agnès (agnes.festre@gredeg.cnrs.fr): 5D
FRANKLIN, Rachel S. (rachel_franklin@brown.edu): 1A, 3A, 5E
GARCIA, Renato (renato.garcia.unicamp@gmail.com): 3D
GEISLER, Karl (geisler@nmsu.edu): 3E, 5C
GETIS, Arthur (getis@mail.sdsu.edu): 3A, 5E, GO, WB
GIBSON, Lay James (ljgibson@comcast.net): 4A, 4A, OS, WB
GORDON, Peter (pgordon@usc.edu): 3E, 3E, 4C
HAMAGUCHI, Nobuaki (hamaguchi@rieb.kobe-u.ac.jp): 6E, 6A
GOODCHILD, Michael F. (good@geog.ucsb.edu): GO
ASTERIS, Michael (mj71645@hotmail.com): 3E, 4E
GLAESER, Edward (egaeser@harvard.edu): 5E
GRIFFITH, Daniel A. (dagriffith@utdallas.edu): 5E, 6A, 6A
HAKIM, Simon (hakim@temple.edu): 3E, 4E
HAMDAGUCHI, Nobuaki (hamaguchi@rieb.kobe-u.ac.jp): 1A

~D~
DAI, Tianshi (tianshidai@jnu.edu.cn): 2D
DALL ERBA, Sandy (dallerba@illinois.edu): 2A, 3A, WB
DAR-BRODEUR, Afshan (afshan.dar-brodeur@canada.ca): 6D
DAVLA BRIDGE, Sandy (dallerba@illinois.edu): 2A, 3A, WB
DENG, Xin (xin.feng@geog.ucsb.edu): 5A, 6A
FESTRÉ, Agnès (agnes.festre@gredeg.cnrs.fr): 5D
FRANKLIN, Rachel S. (rachel_franklin@brown.edu): 1A, 3A, 5E
GARCIA, Renato (renato.garcia.unicamp@gmail.com): 3D
GEISLER, Karl (geisler@nmsu.edu): 3E, 5C
GETIS, Arthur (getis@mail.sdsu.edu): 3A, 5E, GO, WB
GIBSON, Lay James (ljgibson@comcast.net): 4A, 4A, OS, WB
GORDON, Peter (pgordon@usc.edu): 3E, 3E, 4C
HAMAGUCHI, Nobuaki (hamaguchi@rieb.kobe-u.ac.jp): 6E, 6A
GOODCHILD, Michael F. (good@geog.ucsb.edu): GO
ASTERIS, Michael (mj71645@hotmail.com): 3E, 4E
GLAESER, Edward (egaeser@harvard.edu): 5E
GRIFFITH, Daniel A. (dagriffith@utdallas.edu): 5E, 6A, 6A

~E~
EYER, Jonathan (jeyer@usc.edu): 1F, 5F

~F~
FAGGIAN, Alessandra (alessandra.faggian@gssi.it): 1C, 2C, 4B, 6B, 6C, WB
FANG, Li (kfeng@umd.edu): 1A, 3D
FARRELL, Michael (lmt71645@hotmail.com): 3E, 4E
FENG, Kuishuang (kfeng@umd.edu): 5F
FENG, Xin (xin.feng@geog.ucsb.edu): 5A, 6A
FESTRÉ, Agnès (agnes.festre@gredeg.cnrs.fr): 5D
FRANKLIN, Rachel S. (rachel_franklin@brown.edu): 2C, 6C, AL, WB

~G~
GARCIA, Renato (renato.garcia.unicamp@gmail.com): 3D
GEISLER, Karl (geisler@nmsu.edu): 3E, 5C
GETIS, Arthur (getis@mail.sdsu.edu): 3A, 5E, GO, WB
GIBSON, Lay James (ljgibson@comcast.net): 4A, 4A, OS, WB
GILL, Gurdijit (gurdijitg@cpp.edu): 5A, 6A
GIULIANO, Genevieve (giuliano@usc.edu): 5B, 5B, 6B, WB
GLAESER, Edward (egaeser@harvard.edu): 5E
GNAGEY, Matt (mattgnagey@weber.edu): 1E, 2E
GOETZ, Stephan (sgoetz@psu.edu): 1A
GOO, Bonil (k25839@kab.co.kr): 4F
GOODCHILD, Michael F. (good@geog.ucsb.edu): GO
GORDON, Peter (pgordon@usc.edu): 3E, 3E, 4C
GOTO, Tsuyoshi (sge010gt@student.econ.osaka-u.ac.jp): 3E, 4E
GRiffith, Daniel A. (dagriffith@utdallas.edu): 5E, 6A, 6A

~H~
HAKIM, Simon (hakim@temple.edu): 3E, 4E
HAMDAGUCHI, Nobuaki (hamaguchi@rieb.kobe-u.ac.jp): 1A
HAMMOND, George (ghammond@email.arizona.edu): 1B, 1B, 2G
HANAOKA, Ryota (oinspectr10126@gmail.com): 1F
HANSSON, Åsa (asa.hansson@nek.lu.se): 3E, 4E
HARTEN, Julia (jharten@usc.edu): 1E, 2E
HAYNES, Kingsley (khaynes@gmu.edu): 4A, 6D, WB
HEIKKILA, Eric J (heikkila@price.usc.edu): 2E, 4A, WB
HEWINGS, Geoffrey (hewings@illinois.edu): 4D, 4D, AL, WB
HIGANO, Yoshiro (higano@jsrsai.envr.tsukuba.ac.jp): 5E
HIPP, John R. (hippi@uci.edu): 1B
HOU, Yuting (houyuting86@gmail.com): 3D, 4C
HOYT, Matthew (matt.t.hoyt@gmail.com): 2F
HUBACEK, Klaus (hubacek@umd.edu): 5F
HUTSON, Nathan (nhutson@usc.edu): 4A, 5F
HYUN, Jun Yong (hyj@kmu.ac.kr): 1F

~I~
IKEGAWA, Maria (maria_ikegawa020@maff.go.jp): 3F
IKHRATA, Hasan: OS

~J~
JACKSON, Randall (rwjackson@mail.wvu.edu): 4D, 4D, WB
JÁROSI, Péter (peter.jarosi@mail.wvu.edu): 4D
JEONG, Jieun (girlsla@hanmail.net): 4F, 6B
JO, Haeun (akensen720@snu.ac.kr): 2E
JONES, Douglas N. (jones.1@osu.edu): 5D
JONSSON, Lina (lina.jonsson@wsp.com): 1E, 1E
JUN, Hee-Jung (hjun@skku.edu): 5B
JUN, Myung Jin (mijun1@cau.ac.kr): 1C, 2E, 3F, 6A, 6B

~K~
KANDA, Mika (mi.kanchan23@gmail.com): 3E
KANE, Kevin (ktkane@uci.edu): 1B, 2D
KANG, Minjeong (bjcop@snu.ac.kr): 1F, 2F
KANG, Sanggyun (sanggyuk@usc.edu): 5C, 6D
KANG, WEI (kwang12@asu.edu): 1B, 3A
KEKEZI, Orsa (orsa.kekezi@ju.se): 2B, 3C
KIM, Ayoung (ayoung.kim@msstate.edu): 2E, 5C, 6D
KIM, Brian H.S. (briankim66@snu.ac.kr): 1C
KIM, Dohyung (dohyungkim@cpp.edu): 5A, 6A
KIM, Euijune (euijune@snu.ac.kr): 1A, 2E, 4A, AL, WB
KIM, Hanho (hanho@snu.ac.kr): 4F
KIM, Hongbae (hokim@hanyang.ac.kr): 4B
KIM, Hyunsoo (hyunsoo.kim@utah.edu): 3F
KIM, Jae Hong (jaehk6@uci.edu): 1B, 2D
KIM, Jae Ik (kji@kmu.ac.kr): 1F, 4F, 4F
KIM, Kwansoo (kimk@snu.ac.kr): 1A, 2A, 2F
KIM, Man-Keun (mk.kim@usu.edu): 4D, 5C
KIM, Sungyop (kims@umkc.edu): 3B
KIM, Tschangho John (tjohnkim@gmail.com): 5B, WB
KIM, Yonzu (yonzu@uci.edu): 1B
KOHLHASE, Janet (jkoohlhase@uh.edu): 3D, 3D, 4B, AL, WB
KOLAK, Marynia (mkolak@uchicago.edu): 3A, 4B
KONDO, Keisuke (kondo-keisuke@rieti.go.jp): 1A, 2A
KOPSCHE, Fredrik (fredrik.kopsch@lantm.lth.se): 1E, 2E, 4E, 4E
KOSTER, Paul (p.r.koster@vu.nl): 2B
KOURTIT, Karima (k.kourtit@hotmail.com): 1A, 1A, 5E
KWON, Daeyoung (tonykwon@snu.ac.kr): 1C
KWON, Kihyun (gbs14ann@naver.com): 6B

~L~
LARSSON, Johan P. (johan.p.larsson@ju.se): 3C, 4B, 5C
LEE, Bumsoo (bumsoo@illinois.edu): 2C, 3B
LEE, Hyojung (hyojung.lee@harvard.edu): 3F, 5F
LEE, Hyunkyung (lhk29@nate.com): 1C, 4B
LEE, Jaesong (lee-jaesong@hanmail.net): 3F
LEE, Ji Hyeon (ljh07042@naver.com): 1C
LEE, Sangwon (sangwon290@snu.ac.kr): 2A
LEE, Seom Gyeol (ohgonbi@naver.com): 1F
LEE, Shinhee (shinhee@usc.edu): 5B
LEE, Sungwoo (waterfront@kmi.re.kr): 6D
LEE, Tae Hyeong (byeldul@cau.ac.kr): 2E
LEE, Yongsung (yongsung.lee@gatech.edu): 3B
LEMUS-LAUZON, Isabel (ilemus-lauzon@iddpnql.ca): 5D
LI, Hongyi (286913512@qq.com): 3D
LIANG, Jiaochen (jiaochenl@csufresno.edu): 1A, 2A
LIM, Jaewon (jaewon.li@unlv.edu): 3A, 4C
LIU, Hongbo (qq19880106@snu.ac.kr): 4F
LOPEZ, Juan Carlos (juancarlos.lopez@du.edu): 1B, 2D
MACHINO, Kazuo (machino@econ.hokudai.ac.jp): 2B
MALMBERG, Bo (bo.malmberg@humangeo.su.se): 2C, 3B
MANDAI, Yu (yu_dai1111@yahoo.co.jp): 1B
MANDUCA, Robert (rmanduca@g.harvard.edu): 3B, 4C
MANSURY, Yuri (ymansury@iit.edu): 1C, 2D
MEDRANO, F. Antonio (medrano@ucsb.edu): 5A, 5A
MEEHAN, Brian (bmeehan@berry.edu): 3E
MICHAEL, Jeffrey (jmichael@pacific.edu): 2G
MICHIEKA, Nyakundi (nmichieka@csedu.edu): 1C
MILLER, Noah (nsmiller@usc.edu): 5F
MILLER, Stephen (stephen.miller@unlv.edu): 2G
MIYATA, Yuzuru (miyata@ace.tut.ac.jp): 1F
MOON, Inseok (inseokmoon85@gmail.com): 2E
MOUHOUD, El Mouhoub (em.mouhoud@dauphine.fr): 6D, 6D
MU, Wangshu (wangshum@email.arizona.edu): 2C
MULLIGAN, Gordon (mulligan@email.arizona.edu): 2D, 2D, 2D, 2D
MURRAY, Alan (amurray@ucsb.edu): 3A, 5A, 5A, 6A, AL, WB
NAKABAYASHI, Masaki (mn@iss.u-tokyo.ac.jp): 1B
NAMGUNG, Mi (nm1119@pusan.ac.kr): 5B, 6B
NELSON, Steven (Steven.nelson@umt.edu): 2B, 2B, 3C
NEWBOLD, Bruce (Newbold@mcmaster.ca): 2C, 2C, 3B, AL
NICHOLS, Mark W. (mnichols@umn.edu): 3E
NIEBUHR, Annekatrin (Annekatrin.Niebuhr@iab.de): 6C
NIJKAMP, Peter (pnijkamp@hotmail.com): 2B, 4C, 5E, 5E
NILSSON, Pia (pia.nilsson@ju.se): 3F
NORMAN-MONROE, Therese (therese.norman@ju.se): 3D, 4B

OCHIALI, Risa (kusatosa@gmail.com): 1F
ÖNER, Özge (Ozge.Oner@iab.de): 2C, 2C, 3C, 5C
ORLANDO, Anthony (anthony.w.orlando@gmail.com): 1C, 4C
OSMAN, Jack (josman@comcast.net): 2E, WB
OSTBYE, Stein (stein.ostbye@uit.no): 4A, 5D, 6C, WB
OTTO, Anne (Anne.Otto@iab.de): 6C

PAINTER, Gary D. (gpainter@usc.edu): 5F
PARAJULI, Jitendra (JParajuli@hotmail.com): 4A
PARCELLS, R. Pete (parcells@whitman.edu): 2B, 4B, WB
PARK, ChangKeun (ckpark@keire.kr): 5F, 6D
PARK, Jiyoung (jp292@buffalo.edu): 5F, 6D
PARK, Jonghoon (hohojonghoon@gmail.com): 6D
PARTRIDGE, Mark D. (partridge.27@osu.edu): 2D, 3C, 4B, 4B, AL
PAUL, Donald (dlpaul@eandtstrategies.com): 2F
PERALTA, Denis J. (didenis7@gmail.com): 4D
PEREZ-SILVA, Rodrigo (perezsilva.1@osu.edu): 1B, 2D
PIPER, Steven (stev43210@yahoo.com): 3F, 4F
PLANE, David (plane@email.arizona.edu ): 2C, 4C, 4C, 5E, 6A,
PORTER, Susan (slp7m@comm.virginia.edu): 4E
PROHOFSKY, Allen (allen.prohofsky@fb.ca.gov): 3B
PROIETTI, Paola (paola.proietti@gssi.it): 1C, 2C
PROTASEL, Greg (gjprotasel@alaska.edu): 5D

~R~
RAJBHANDARI, Isha (irajbhandari@pugetsound.edu): 3A, 4B
REY, Sergio (serger@ucr.edu ): 3A, 3A, 3A
REYNOLDS-FEIGHAN, Aisling (aisling.reynolds@ucd.ie): 5B, 6B
ROA-HENRIQUEZ, Alfredo (roa_henriquez.1@osu.edu): 2F
RODNANSKY, Seva (rodnans@usc.edu): 3B, 3B
RODON, Thierry (thierry.rodon@pol.ulaval.ca): 5D
ROMÃ©, João (Joao_ROMAO@me.com): 2B, 3C
ROSE, Adam (adamsro@price.usc.edu): 2A, 2F, 4F, 4F, 5F
ROSSEN, Anja (anjarossen@web.de): 1C, 6C
ROTH, Duncan (duncan.roth@iab.de): 1B, 2D
RUTH, Matthias (m.ruth@neu.edu ): 2F, 2F, AL, WB

~S~
SAKAIBARA, Naoki (11.kingnext@gmail.com): 4D
SAKURAI, Katsuhiro (k-sakurai@ris.ac.jp): 1F, 1F, 4D
SAND, Jan Yongve (jan.sand@uit.no): 5D
SCHOTT, Stephan Stephan (STEPHAN_SCHOTT@carleton.ca): 5D
SCOTT, Darren (scottdm@mcmaster.ca): 3B
SEO, Jung (seo@scag.ca.gov): 5B, 6B
SEUNG, Chang (chang.seung@noaa.gov): 2F, 4F
SEYMOUR, Eric (eric_seymour@brown.edu): 2C, 4C
SFEIR, Raymond (sfeir@chapman.edu): 2G
SHIBUSAWA, Hiroyuki (hiro_shibu@tut.jp): 1F, 4D, 5F
SHIELDS, Martin (martin.shields@colostate.edu): 1B
SLAPER, Timothy (tslaper@indiana.edu): 1D, 4D, 6D
SORENSEN, Bent E.: 4E
SOUTHCOTT, Chris (chris.southcott@lakeheadu.ca ): 5D
SQUIBB, James (james.squibb@implan.com): 4D
STENBERG, Peter (nordacad13@gmail.com): 1A, 2A, 2A
STOUGH, Roger R. (rstough@gmu.edu): 4A, 5E, WB

~T~
TEICHERT, Christian (teichert@wigeo.uni-hannover.de): 6C
TENNERT, Juliette (juliette.tennert@utah.edu): 2G
THORVALDSON, Jennifer (jenny@implan.com): 4D, 6D
TOKUNAGA, Suminori (tokunaga@reitaku-u.ac.jp): 3F, 5F
TONG, Daoqin (Daoqin.Tong@asu.edu): 5A, 5A, 6A, WB
TOSUN, Mehmet (tosun@unr.edu): 3E, 4E
TSVETKOVA, Alexandra (tsvetkova.alexandra@gmail.com): 2B, 3C

~V~
VAN DIJK, Jouke (jouke.vandijk@rug.nl): 3B, 3B, 6C, WB
VAN LEEUWEN, Eveline (eveline.vanleeuwen@wur.nl): 2B, 3C, 3C
VENERI, Paolo (paolo.veneri@oceq.org): 1C
VO, Tom (Vo@scag.ca.gov): 5A, 5B, 6A

~W~
WANG, Shaohua (shaohua@geog.ucsb.edu): 5E
WEE, Sherilyn (swee@hawaii.edu): 2F
WEL, Dan (danwei@usc.edu): 1F, 2F
WELCH, William (welch.372@osu.edu): 2F
WEN, Frank (Wen@scag.ca.gov): 5A, 5B, 6A
WESTLUND, Hans (hans.westlund@abe.kth.se): 2B, 3D, 3F, WB
WOBBEKIND, Richard (Richard.Wobbekind@colorado.edu): 2G, 2G
~X~
XIONG, Ailun (allenxiong2008@126.com): 3D
XU, Cheng (chengxu@email.gwu.edu): 3D
XU, Jing (jing.xu@geog.ucsb.edu): 3A

~Y~
YAMAMOTO, Genki (wasakuma94@gmail.com): 3E
YEO, Chang Hwan (ych3720@daegu.ac.kr): 4F
YI, Yoojin (jinparki@snu.ac.kr): 1A, 2A, 5C
YOON, Yaerin (yyr0501@snu.ac.kr): 2F, 3F
YUAN, Quan (quanyuan@usc.edu): 2F, 4F

~Z~
ZHANG, Yongping (yongpingz@cpp.edu): 5A, 6A, 6F
ZHU, Pengyu (pengyuzhu2002@yahoo.com): 1C, 3C