

NARSC Meetings 2013 Preliminary Schedule

9/27/13

Wednesday, 13 November 2013

8:00 AM-12:00 PM

1. Special Session **Workshop 1: Toward Frame Shifting Models** Wednesday Nov 13 |

8:00 AM-12:00 PM

Chairs: Randy Jackson, West Virginia University; Michael Lincoln L Lahr, Rutgers University

8:00 AM-4:00 PM

2. Special Session **Workshop 3: Spatial Statistical Methods in Regional**

Science Wednesday Nov 13 | 8:00 AM-4:00 PM

Chairs: Daniel A Griffith, University of Texas - Dallas; Yongwan Chun, University of Texas - Dallas

3. Special Session **Workshop 4: Introduction to Spatial Agent-Based**

Modeling Wednesday Nov 13 | 8:00 AM-4:00 PM

Chairs: Yuri Mansury, Cornell University; Xinyue Ye, Kent State University

1:00 PM-4:00 PM

4. Special Session **Workshop 2: Spatial Data Analysis with PySAL and**

GeoDaSpace Wednesday Nov 13 | 1:00 PM-4:00 PM

Chairs: Sergio Rey, Arizona State University; Luc Anselin, Arizona State University

4:00 PM-8:30 PM

5. **Registration** Wednesday Nov 13 | 4:00 PM-8:30 PM

6:45 PM-7:00 PM

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6. **Words of Welcome** Wednesday Nov 13 | 6:45 PM-7:00 PM

7:00 PM-8:00 PM

7. Formal Paper Session **RSAI Fellows Plenary** Wednesday Nov 13 | 7:00 PM-8:00 PM
Organizer: David Boyce, Northwestern University

- *Does regional science produce aeroplanes without engines? A methodological talk about the need to include more behavioral sciences into regional science.* Henk Folmer, University of Groningen

8:00 PM-9:30 PM

8. Special Session **NARSC Icebreaker Reception** Wednesday Nov 13 | 8:00 PM-9:30 PM

Thursday, 14 November 2013

7:30 AM-5:30 PM

9. [Registration](#) Thursday Nov 14 | 7:30 AM-5:30 PM

8:00 AM-10:00 AM

10. **Transportation I : Network Structures & Contributions** Thursday Nov 14 | 8:00 AM-10:00 AM

Chair: Aura Reggiani, University of Bologna

- *Network Resilience and Vulnerability: The Role of Connectivity* Aura Reggiani, University of Bologna; Peter Nijkamp, VU University; Diego Lanzi, University of Bologna
- *Where and why are new roads built in the United States?* Xiaobai Angela Yao, University of Georgia; Chris Brown, University of Georgia
- *Socio-spatial Assessment of the Regional Expansion of GA Managed Lane System based on a Before and After Study of the First GA HOT Lane at Atlanta I-85* Sara Khoeini, Georgia Institute of Technology; Randall Guensler, Georgia Institute of Technology

- *Quantifying the impact of road network capacity expansion on congestion and productivity via a mixed model generalized propensity score estimator* Dan J. Graham, Imperial College London
- *The Underground Economy: [Tracking](#) the Wider Impacts of the São Paulo Subway System* Eduardo A. Haddad, University of São Paulo; Geoffrey JD Hewings, University of Illinois - Urbana-Champaign; Alexandre A. Porsse, Federal University of Parana; Eveline S. Van Leeuwen, Free University, Amsterdam; Renato S. Vieira, University of São Paulo

Discussants:

- Eduardo A Haddad, University of São Paulo
- Aura Reggiani, University of Bologna
- Dan J Graham, [Imperial College](#) London
- Xiaobai Angela Yao, University of Georgia
- Sara Khoeini, Georgia Institute of Technology

11. Formal Paper Session **GS: Environmental Emissions and Local Economies** Thursday Nov 14 | 8:00 AM-10:00 AM

Chair: Fernando Salgueiro Perobelli, Federal University of Juiz de Fora

- *The Effects of the Clean Air Act on Local Industrial Wages In the Presence of Wage Spillovers* Kijin Kim, University of Illinois at Urbana-Champaign
- *International trade and emissions: an intertemporal input-output analysis* Vinicius de Almeida Vale, Federal University of Juiz de Fora (UFJF); Fernando Salgueiro Perobelli, Federal University of Juiz de Fora
- *Do urban tolls really help us breathe easier? An econometric evaluation of the impact of urban tolls on air quality* Sophie Legras, INRA; Lionel VEDRINE,
- *Household consumption and CO2 emissions in Brazil* Fernando Salgueiro Perobelli, Federal University of Juiz de Fora; Vinicius de Almeida Vale, Federal University of Juiz de Fora (UFJF); Romulo Villanova, Federal University of Juiz de Fora

Discussants:

- Fernando Salgueiro Perobelli, Federal University of Juiz de Fora
- Kijin Kim, University of Illinois at Urbana-Champaign
- Vinicius de Almeida Vale, Federal University of Juiz de Fora (UFJF)
- Sophie Legras, INRA

12. Formal Paper Session **GS: Gender and the Labor Market** Thursday Nov 14 | 8:00 AM-10:00 AM

Chair: Heather Stephens, California State University, Long Beach

- *Decomposition of the Local Unemployment Rate in Canada : How Gender Can Explain Medium Term Variations* Philippe Trempe, University of Quebec (Rimouski); Jean Dubé, University of Quebec - Rimouski; Mario Polese, University Of Quebec
- *What Drives the Urban Wage Premium? Evidence from a Female Panel* Yue Hua, OHIO STATE UNIVERSITY
- *Factors that influence Women's Economic Participation in Mexico* Rafael Garduno-Rivera, Centro de Investigacion y Docencia Economicas, A.C. (CIDE)
- *Unraveling the truth about self-employed women* Carlianne Patrick, Georgia State University; Heather Stephens, California State University, Long Beach; Amanda L. Weinstein, The Ohio State University

Discussants:

- Carlianne Patrick, Georgia State University
- Philippe Trempe, University of Quebec (Rimouski)
- Yue Hua, OHIO STATE UNIVERSITY
- Rafael Garduno-Rivera, Centro de Investigacion y Docencia Economicas, A.C. (CIDE)

13. Formal Paper Session **GS: Community Development and Policy** Thursday Nov 14 | 8:00 AM-10:00 AM

Chair: James A Giesecke, Monash University

- *Modeling the impacts on a US state economy of an industry incentive program during a recession* James A. Giesecke, Monash University; John R. Madden, Monash University
- *Measuring Rural Livability: Implications for Federal Investment* Bev Wilson, University of Illinois at Urbana-Champaign
- *Is Social Investment the Answer to Illicit Crops Cultivation?* Eleonora Davalos, University of North Carolina at Charlotte; Stephen Billings, University of North Carolina-Charlotte
- *Revisiting the Question: "More Guns, Less Crime?" New Estimates Using Spatial Analysis* Donald Lacombe, ; Amanda Ross, West Virginia University
- *Regional Income Disparities in Decentralizing Indonesia, 2001-2007* Andi Irawan, University of Illinois at Urbana-Champaign

Discussants:

- Donald Lacombe

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- Eleonora Davalos, University of North Carolina at Charlotte
- Andi Irawan, University of Illinois at Urbana-Champaign
- Bev Wilson, University of Illinois at Urbana-Champaign
- James A Giesecke, Monash University

14. Formal Paper Session **Regional Economic Effects of Disasters** Thursday Nov 14 | 8:00 AM-10:00 AM

Organizer: Yasuhide Okuyama, University of Kitakyushu

Chair: Yasuhide Okuyama, University of Kitakyushu

- *Economic Damage of Power Supply Shortage Caused by Great East Japan Earthquake: A SCGE approach* Tomoki Ishikura, Tokyo Metropolitan University; Yoshifumi Ishikawa, Nanzan University
- *Impacts of a Tsunami Scenario on the Californai Economy* Adam Rose, USC
- *Exploratory Methodology to Estimate Impact of Disaster at Macro Level* Yasuhide Okuyama, University of Kitakyushu

Discussants:

- Yasuhide Okuyama, University of Kitakyushu
- Tomoki Ishikura, Tokyo Metropolitan University
- Adam Rose, USC

15. Formal Paper Session **GS: Natural Disasters and Regional Economies I** Thursday Nov 14 | 8:00 AM-10:00 AM

Chair: Yuri Mansury, Cornell University

- *The Economic Effect on Sichuan Province of the 2008 Sichuan Earthquake* Ling Yang,
- *Economic Assessment of a large-scale earthquake in Bohai Economic Rim, China* Nian LI, Toyohashi University of Technology; Hiroyuki SHIBUSAWA, Toyohashi University of Technology; Yuzuru MIYATA, Toyohashi University of Technology
- *An Optimization Model for Land-Use Allocation and Seismic Losses Mitigation* Chih-Hao Wang, The Ohio State University; Jean-Michel Guldmann, Ohio State University
- *Identifying the Paths of Destruction in a Catastrophic Event* Yuri Mansury, Cornell University; Sutee Anantsuksomsri, Cornell University; Nij Tontisirin, Thammasat University

Discussants:

- Yuri Mansury, Cornell University
- Ling Yang
- Nian LI, Toyohashi University of Technology
- Chih-Hao Wang, The Ohio State University

16. Formal Paper Session **GS: Tourism and Amenities** Thursday Nov 14 | 8:00 AM-10:00 AM

Chair: Todd Gabe, University Of Maine

- *Testing for Spatial Equilibrium using Happiness Data* Samia Islam, Boise State University; Frank Goetzke, University of Louisville
- *Centralized vs Decentralized Tourism Policies: The Case of UNESCO's World Heritage Sites* Maurizio Mussoni, University of Bologna; Roberto Patuelli, University of Bologna; Guido Candela, University of Bologna
- *How much it cost to live near urban amenities?* Deborah Maria da Silva Seabra, Federal University of Pernambuco; Raul Silveira-Neto, Federal University of Pernambuco; Tatiane Ameida de Menezes, Federal University of Pernambuco Brazil
- *"Gunter lieben glauchen globen:" Local Economic Impacts of Def Leppard and other Popular Music Concerts* Todd Gabe, University Of Maine; Nicholas Lisac, University of Maine

Discussants:

- Todd Gabe, University Of Maine
- Samia Islam, Boise State University
- Maurizio Mussoni, University of Bologna
- Deborah Maria da Silva Seabra, Federal University of Pernambuco

17. Formal Paper Session **GS: Investment and Location** Thursday Nov 14 | 8:00 AM-10:00 AM

Chair: yanmin shao, Academy of Mathematics and Systems Science ,Chinese Academy of Science

- *A Spatial and Temporal Model of Foreign Direct Investment in China* Hao Huang, University of Utah
- *Inter-firm networks and location choice: A new perspective on industrial agglomeration and tax competition* Ryo Itoh, Nagoya-City University

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- *Transportation Costs and Foreign Direct Investment: The impact of Cross-Strait Direct Flight Policy on Taiwanese FDI in China* CHINCHIH CHEN, LSE
- *The determination of Chinese outward foreign direct investment: Are there third-country effects?* yanmin shao, Academy of Mathematics and Systems Science ,Chinese Academy of Science; shouyang wang, Academy of Mathematics and Systems Science, Chinese Academy of Sciences

Discussants:

- Ryo Itoh, Nagoya-City University
- CHINCHIH CHEN, LSE
- yanmin shao, Academy of Mathematics and Systems Science ,Chinese Academy of Science
- Hao Huang, University of Utah

18. Formal Paper Session **GS: Urbanization and Human Capital** Thursday Nov 14 | 8:00 AM-10:00 AM

Chair: Miles M Finney, California State Los Angeles

- *Human Capital Externalities: An Empirical Analysis for Brazilian Cities* Roberta de Moraes Rocha, Federal University of Pernambuco; Raul da Mota Silveira Neto, Federal University of Pernambuco; Sônia Maria Fonseca Pereira Oliveira Gomes, Federal University of Pernambuco; A Ivaro Furtado Coelho Junior, Federal University of Pernambuco
- *Knowledge Accumulation in Cities: The Role of Innovation and Imitation* Dirk Assmann, University of Regensburg; Johannes Stiller, University of Regensburg
- *Flows of human capital: a new perspective to understand regional economic growth and disparity* Chenxi YU, University of Illinois - Urbana-Champaign; Geoffrey Hewings, University of Illinois - Urbana-Champaign
- *Urbanization and Formal Skills Attainment* Miles M. Finney, California State Los Angeles

Discussants:

- Miles M Finney, California State Los Angeles
- Roberta de Moraes Rocha, Federal University of Pernambuco
- Dirk Assmann, University of Regensburg
- Chenxi YU, University of Illinois - Urbana-Champaign

19. Formal Paper Session **GS: Local Public Finance** Thursday Nov 14 | 8:00 AM-10:00 AM

Chair: Christopher B Goodman, Rutgers University

- *Province-Local Spending Composition and Poverty Alleviation: Case of Indonesia* Riatu M. Qibthiyah, University of Indonesia; Rusan Nasrudin, University of Indonesia
- *Do local governments underprovide elderly care? Evidence from Sweden* Johan Lundberg, Umeå university, Sweden
- *The efficiency of indirect taxes with cross-border shopping in the short-run and the long-run* Hiroshi Aiura, Oita University; Ilkaru Ogawa, Nagoya University
- *Local Government Fragmentation & the Local Public Sector: A Public Employment Approach* Christopher B. Goodman, Rutgers University

Discussants:

- Christopher B Goodman, Rutgers University
- Riatu M. Qibthiyah, University of Indonesia
- Johan Lundberg, Umeå university, Sweden
- Hiroshi Aiura, Oita University

20. Formal Paper Session **UEA 01: Education 1** Thursday Nov 14 | 8:00 AM-10:00 AM

Chair: Felix Weinhardt, LSE

- *Moving Matters: The Causal Effect of School Mobility on Student Performance* Amy Schwartz, New York University; Leanna Stiefel, New York University
- *I (don't) Like the Way You Move: The Disruptive Effects of Residential Mobility on Student Attainment* Stephen Gibbons, London School of Economics; Olmo Silva, London School of Economics; Felix Weinhardt, LSE
- *The Value of School Quality: Evidence from Housing Booms and Busts* CONSTANT TRA, University of Nevada, Las Vegas; Charles Towe, University of Maryland
- *Education, experience and dynamic urban wage premium* Fredrik Carlsen, Norwegian University of Science and Technology; Jorn Rattso, Norwegian Univ of Science and Technology; Hildegunn Stokke, Norwegian University of Science and Technology

Discussants:

- Hildegunn Stokke, Norwegian University of Science and Technology
- CONSTANT I TRA, University of Nevada, Las Vegas
- Felix Weinhardt, LSE

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- Amy Schwartz, New York University

21. Formal Paper Session **UEA 02: Lending and Transfers** Thursday Nov 14 | 8:00 AM-10:00 AM

Chair: Neil Bhutta, Federal Reserve Board

- *Payday credit access and household financial health* Neil Bhutta, Federal Reserve Board
- *Payday Lending and Crimes in the Neighborhood* Yilan Xu, University of Illinois at Urbana-Champaign
- *Multipliers and Spillovers from Cash-Transfers to the Poor: Evidence from Brazil's Bolsa Familia Program* Leo Feler, Johns Hopkins University
- *Impact of Small Business Loans on the Local Growth of Small and Large Establishments* Yong Suk Lee, Williams College

Discussants:

- Yilan Xu, University of Illinois at Urbana-Champaign
- Neil Bhutta, Federal Reserve Board
- Yong Suk Lee, Williams College
- Leo Feler, Johns Hopkins University

22. Formal Paper Session **UEA 03: Race** Thursday Nov 14 | 8:00 AM-10:00 AM

Chair: Jorge De la Roca, New York University

- *The Dynamics of Ethnic Enclaves* Nathan Schiff, University of British Columbia; Tianran Dai, Brown University
- *Are Ghettos Good or Bad? Evidence from U.S. Internal Migration* Junfu Zhang, Clark University
- *Race and neighborhoods in the 21st century: What does segregation mean today?* Jorge De la Roca, New York University; Katherine O'Regan, New York University
- *The Effects of Macroeconomic Aggregates on Fertility Decisions: Theory and Evidence from U.S. Annual Data* Salem M Abo-Zaid, Texas Tech University

Discussants:

- Junfu Zhang, Clark University
- Nathan Schiff, University of British Columbia
- Salem M Abo-Zaid, Texas Tech University
- Jorge De la Roca, New York University

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23. Business Meeting **NARSC Council Meeting (Invitation only)** Thursday Nov 14 | 8:00 AM-10:00 AM

24. Business Meeting **LRPC (Invitation only)** Thursday Nov 14 | 8:00 AM-10:00 AM

10:30 AM-12:00 PM

25. Special Session **NARSC Presidential Plenary Can U.S. Regional Manufacturing Survive in the 21st Century?** Thursday Nov 14 | 10:30 AM-12:00 PM

Organizers: Douglas Woodward, University of South Carolina; Neil Reid, Univ. Of Toledo
Chair: Douglas Woodward, University of South Carolina

- *The Surprisingly Swift Decline of U.S. Manufacturing Employment* Schott Peter, Yale University
- *Prospects for a Manufacturing Renaissance in the United States* Helper Sue, Case Western Reserve University
- *Clusters' Last Stand: The Automotive Sector in the Southeast* Douglas Woodward, University of South Carolina
- *Where the Rubber Meets the Road: Industry Recruiting and the South Carolina Manufacturing Clusters* David Clayton, South Carolina Department of Commerce

10:30 AM-12:30 PM

26. Formal Paper Session **UEA 04: Agglomeration I** Thursday Nov 14 | 10:30 AM-12:30 PM

Chair: Jonathan Dingel, Columbia University

- *Heterogeneous Agglomeration* Giulia Faggio, London School of Economics; Olmo Silva, London School of Economics; William Strange, University of Toronto
- *The Dynamics of City-Industry Growth* William Hanlon, UCLA; Antonio Miscio, Columbia University
- *The Comparative Advantage of Cities* Donald Davis, Columbia University; Jonathan Dingel, Columbia University

Discussants:

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- Antonio Miscio, Columbia University
- Jonathan Dingel, Columbia University
- William Strange, University of Toronto

27. Formal Paper Session **UEA 05: Housing 1** Thursday Nov 14 | 10:30 AM-12:30 PM

Chair: Jeffrey Zabel, Tufts University

- *Reduced-Form Hedonics: The First Stage and Difference-in-Differences as "Sufficient Statistics"* Spencer Banzhaf, Georgia State University
- *The Hedonic Model and the Housing Cycle* Jeffrey Zabel, Tufts University
- *The Impact of REO Sales on Neighborhood Schools* Keith Ihlanfeldt, Florida State University; Tom Mayock, Office of the Comptroller of the Currency
- *House Prices and Rents: Micro Evidence from a Matched Dataset in Central London* Philippe Bracke, London School of Economics

Discussants:

- Jeffrey Zabel, Tufts University
- Keith Ihlanfeldt, Florida State University
- Philippe Bracke, London School of Economics
- Spencer Banzhaf, Georgia State University

28. Formal Paper Session **UEA 06: Transport Pricing** Thursday Nov 14 | 10:30 AM-12:30 PM

Chair: Mogens Fosgerau, Technical University of Denmark

- *Lobbying by Retailers and Urban Traffic Policy* Bruno De Borger, University of Antwerp; Antonio Russo, RSCAS, European University Institute
- *A bathtub model of downtown traffic congestion and a reason why road pricing may not always be so beneficial* Mogens Fosgerau, Technical University of Denmark
- *Zone Pricing and Spatial Menu Costs: Estimates for Drywall* Brian Adams, University of Minnesota; Kevin Williams, University of Minnesota
- *Lexus Lanes and Pareto Improvements: The case for value pricing on heavily congested highways* Jonathan Hall, Northwestern University

Discussants:

- Brian Adams, University of Minnesota
- Jonathan Hall, Northwestern University
- Antonio Russo, RSCAS, European University Institute

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- Mogens Fosgerau, Technical University of Denmark
12:00 PM-1:30 PM

29. Business Meeting **PRSCO (Invitation only)** Thursday Nov 14 | 12:00 PM-1:30 PM

30. Business Meeting **Fellows Lunch (Invitation only)** Thursday Nov 14 | 12:00 PM-1:30 PM

12:30 PM-1:30 PM

31. **Lunch** Thursday Nov 14 | 12:30 PM-1:30 PM

1:30 PM-3:30 PM

32. **Transportation II: Congestion & Crashes** Thursday Nov 14 | 1:30 PM-3:30 PM

Chair: Maria Dementyeva, VU University Amsterdam

- *Does Traffic Congestion Really Harm Regional Economic Efficiency?* Junyang Yuan, George Mason Univ.
- *Non-recurrent road congestion, accident and incident duration* Martin Wolfgang Adler, VU University Amsterdam; Jos Van Ommeren, VU University Amsterdam; Piet Rietveld, VU University Amsterdam
- *Regulation of road accident externalities by insurance companies with market power: an analytical model with endogenous speed and safety technology choice* Maria Dementyeva, VU University Amsterdam; Erik T. Verhoef, VU University Amsterdam
- *A Spatial Analysis of the Impact of Urban Environment Factors on Age-related Crashes in the Central Ohio Region* Dongkwan Lee, Ohio State University; Jean-Michel Guldman, Ohio State University; Burkhard von Rabenau, Ohio State University
- *Urban Sprawl, Job Decentralization and Congestion: The Efficiency and Welfare Effects of Congestion Tolls and Urban Growth Boundaries* Wenjia Zhang, University of Texas - Austin; Kara Kockelman, The University of Texas, Austin

Discussants:

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- Wenjia Zhang, University of Texas - Austin
- Junyang Yuan, George Mason Univ.
- Dongkwan Lee, Ohio State University
- Martin Wolfgang Adler, VU University Amsterdam
- Maria Dementyeva, VU University Amsterdam

33. Formal Paper Session **GS: Sustainability and Resiliency** Thursday Nov 14 | 1:30 PM-3:30 PM

Chair: Tomaz Dentinho, University of the Azores

- *Resilience and Accessibility: A More Resilient Analysis of Resilience?* John Östh, Uppsala University; Aura Reggiani, University of Bologna; Giacomo Galiazzo, University of Bologna
- *The Efficiency of Voluntary Incentive Policies for Restoring Forests: Evidence from Vietnam* Man Li, International Food Policy Research Institute; Alessandro De Pinto, International Food Policy Research Institute; Timothy Thomas, International Food Policy Research Institute
- *Regional Development Planning : A recommended comprehensive framework for sustainable development planning* Jay Mittal, Auburn University; SWETA BYAHUT, AUBURN UNIVERSITY
- *Urbanization and Sustainability. The role of the spatial allocation of property rights and public investment* Tomaz Dentinho, University of the Azores

Discussants:

- Tomaz Dentinho, University of the Azores
- John Östh, Uppsala University
- Man Li, International Food Policy Research Institute
- Jay Mittal, Auburn University

34. Formal Paper Session **GS: Urban Structural Dynamics I** Thursday Nov 14 | 1:30 PM-3:30 PM

Chair: Roberto Camagni, Politecnico di Milano

- *The growing Canadian central places and the urban resistance 1971-2001* Aurélie LALANNE, University of Bordeaux
- *Resilience of Regions and the Great Recession: the importance of lumpiness of production factors* Steven Brakman, University of Groningen; Charles Van Marrewijk, University of Utrecht

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- *Does Gibrat's Law for Cities Hold when Location Counts?* Boris A. Portnov, University of Haifa
- *Structural dynamics of second vs. first rank cities: similar laws, different nature* Roberto Camagni, Politecnico di Milano; Roberta Capello, Politecnico di Milano; Andrea Caragliu, Politecnico di Milano
- *Understanding Agglomeration Economies Through The Lens of Polycentricity* Ajay Agarwal, Queen's University; Genevieve Giuliano, University of Southern California; Christian Redfearn, Price School of Public Policy, University of Southern California

Discussants:

- Roberto Camagni, Politecnico di Milano
- Aurélie LALANNE, University of Bordeaux
- Steven Brakman, University of Groningen
- Ajay Agarwal, Queen's University
- Boris A. Portnov, University of Haifa

35. Formal Paper Session **GS: Labor Markets I** Thursday Nov 14 | 1:30 PM-3:30 PM

Chair: John Francis, Louisiana Tech University

- *The Magnitude and Causes of Job Polarization * A Local Labor Market Approach* Wolfgang Dauth, IAB Institute for Employment Research
- *Labor Market Recovery Considering Labor Force Participation Rate* Jaewon Lim, University of Nevada, Las Vegas (UNLV)
- *The Global Financial Crisis and Social Security Uptake: Spatial Econometric Evidence from New Zealand.* William R. Cochrane, University of Waikato; Jacques Poot, University of Waikato; Matthew James Roskrug, National Health Committee
- *Market Access, Supplier Access and Industry Wages: Evidence from U.S. Workforce Investment Areas* John Francis, Louisiana Tech University

Discussants:

- John Francis, Louisiana Tech University
- Wolfgang Dauth, IAB Institute for Employment Research
- Jaewon Lim, University of Nevada, Las Vegas (UNLV)
- William R Cochrane, University of Waikato

36. Formal Paper Session **GS: Econometric Model Applications** Thursday Nov 14 | 1:30 PM-3:30 PM

Chair: Roberto Patuelli, University of Bologna

- *Estimation Versus. Calibration: A Theoretical and Practical Exploration for Econometric Input Output and Computable General Equilibrium Analysis* Andrew James Crawley, Cardiff University; Max C. Munday, Cardiff Business School
- *Institutions, Competitiveness and Regions: The Impact of Mexican State Governments Budget Allocations on Regional Competitiveness* Gabriel Puron Cid, CIDE
- *Cost Efficiency in the Electricity Generation Market: a Parametric Approach for Brazilian Utilities* Mauricio Marins Machado, University of Brasília; Maria da Conceição Sampaio de Sousa, Federal University of Paraíba
- *Forecasting Regional Unemployment across National Boundaries* Roberto Patuelli, University of Bologna; Matías Mayor, University of Oviedo

Discussants:

- Roberto Patuelli, University of Bologna
- Mauricio Marins Machado, University of Brasília
- Gabriel Puron Cid, CIDE
- Andrew James Crawley, Cardiff University

37. Formal Paper Session **GS: Competition, Convergence, and Interdependence Across Regions** Thursday Nov 14 | 1:30 PM-3:30 PM

Chair: Eckhardt Bode, Kiel Institute for the World Economy

- *The Spatial effects for the Eastern and Western regions of Russia: the comparative analysis* Olga Demidova, NRU HSE
- *Competitive and Complementary Relationship between Regional Economies: A Study of the Great Lake States* Sungyup Chung, University of Illinois at Urbana-Champaign
- *Multilevel approach in the US convergence* Alberto Díaz Dapena, REGIOlab - Regional Economics Laboratory, University of Oviedo; Fernando Rubiera Morollon, University of Oviedo; Dusan Paredes, Universidad Católica del Norte
- *New Economic Geography Meets Spatial Econometrics: Regional Wage Interdependencies in the US* Eckhardt Bode, Kiel Institute for the World Economy; Jan Mutl, EBS Business School

Discussants:

- Eckhardt Bode, Kiel Institute for the World Economy

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- Alberto Díaz Dapena, REGIOlab - Regional Economics Laboratory, University of Oviedo
- Sungyup Chung, University of Illinois at Urbana-Champaign
- Olga Demidova, NRU HSE

38. Formal Paper Session **Regional/Rural Development II** Thursday Nov 14 | 1:30 PM-3:30 PM

Organizers: Stephan Weiler, Colorado State University; Peter Schaeffer, West Virginia University

- *The New Farm Bill on Rural Development* Maureen Kilkeny, National Center for Food & Agricultural Policy
- *Local Food Systems and Regional Economic Development* David Hughes, Clemson University
- *Local Foods and Rural Community Health* Steve Deller, University of Wisconsin - Madison; Laura Brown, University of Wisconsin - Extension; Amber Canto, University of Wisconsin - Madison
- *Regulated to "Life"? A Preliminary Study on Geographic Access to Abortion in the US 40 Years After Roe* Mark Burkey, North Carolina A&T State University

Discussants:

- Mark Burkey, North Carolina A&T State University
- Steve Deller, University of Wisconsin - Madison
- David Hughes, Clemson University
- Maureen Kilkeny, National Center for Food & Agricultural Policy

39. Formal Paper Session **Regional Development I: Agglomeration** Thursday Nov 14 | 1:30 PM-3:30 PM

Organizers: Elizabeth A Mack, Arizona State University; Alessandra Faggian, The Ohio State University; Rachel S. Franklin, Brown University

Chair: Alessandra Faggian, The Ohio State University

- *"On the existence of agglomeration shadows at the metropolitan level"* Daniel Arribas-Bel, VU University; Fernando Sanz, University of Zaragoza
- *The Determinants of Agglomeration Redux* Kristian Behrens, UQAM; Théophile Bougna, UQAM; Mark Brown, Statistics Canada
- *"Prometheus Unbound:" A Spatial and Economic Analysis of the Contemporary American Megalopolis* John I. Carruthers, The George Washington University; Ralph B. McLaughlin, San Jose State University; Gordon Mulligan, University of Arizona; Raymond Von Culin, George Washington University

- *Nighttime Lights and Economic Activity* Kevin Stolarick, University of Toronto; Charlotta Mellander, Jonkoping International Business School; Jose Lobo, University of Arizona; Zara Matheson, University of Toronto

Discussants:

- Kristian Behrens, UQAM
- John I. Carruthers, The George Washington University
- Kevin Stolarick, University of Toronto
- Daniel Arribas-Bel, VU University

40. Formal Paper Session **GS: Learning Networks** Thursday Nov 14 | 1:30 PM-3:30 PM

Chair: Gunter Maier, Institut für Regional- und Umweltwirtschaft

- *Learning in Endogenous Social Networks: Theoretical Analysis and Empirical Application* Chao Yang, Ohio State University
- *Structural characteristics of hyperlink networks and quantified textual contents for global city research* Jae Soen Son, University of North Carolina - Charlotte; Jean-Claude F. Thill, Univ. of North Carolina at Charlotte
- *Regional Economic Development Research and Education with Morgan D. Thomas* Jess Browning, University of Washington
- *Topics and Actors: An analysis of twelve years of ERSA conference papers* Gunter Maier, Institut für Regional- und Umweltwirtschaft; Tanja Sinozic, WU Vienna University of Economics and Business

Discussants:

- Jae Soen Son, University of North Carolina - Charlotte
- Chao Yang, Ohio State University
- Gunter Maier, Institut für Regional- und Umweltwirtschaft
- Jess Browning, University of Washington

41. Formal Paper Session **GeoComputation 1: Spatial Analytical Methods** Thursday Nov 14 | 1:30 PM-3:30 PM

Organizers: Jean-Claude F Thill, Univ. of North Carolina at Charlotte; Suzana Dragicevic, Simon Fraser University

Chair: Daniel A Griffith, University of Texas - Dallas

- *Eigenvector selection with stepwise regression techniques to construct eigenvector spatial filters* Yongwan Chun, University of Texas - Dallas; Daniel A. Griffith, University of Texas - Dallas; Monghyeon Lee, University of Texas - Dallas; Parmanand Sinha, University of Texas - Dallas

- *Computational Performance, Scalability and Spatial Heterogeneity in Parallel Agent-based Modeling of Spatial Interactions* Zhaoya Gong, UNC Charlotte; Jean-Claude F. Thill, Univ. of North Carolina at Charlotte; Wenwu Tang, Univ. of North Carolina at Charlotte
- *The Border Effect and the Fractal Non-Linear Relationship between Trade and Distance* Nuria Gallego Lopez, Universidad Autonoma de Madrid; Carlos Llano Verduras, Universidad Autonoma de Madrid
- *The geography of altruism: the case of blood donor clusters in Toronto* Antonio Paez, McMaster University; Philippe Apparicio, INRS; Marie-Soleil Cloutier, INRS; Bruce Newbold, McMaster University; Nancy M. Heddle, McMaster University
- *Some recent developments on the spatio-temporal data generating process* Jean Dube, Universite du Quebec a Rimouski; Diègo Legros, University of Burgundy

42. Formal Paper Session **GS: The Internet and Regional Economy** Thursday Nov 14 | 1:30 PM-3:30 PM

Chair: Luisa Gagliardi, London School of Economics

- *Location, Co-Location, No Location: Store vs. Internet Retailing* Charles A. Ingene, University of Mississippi; Amiya Basu, Syracuse University
- *The Impact of Online Shopping On Personal Shopping Trips Using Structural Equation Modeling* Yiwei Zhou, Rensselaer Polytechnic Institute; Xiaokun (Cara) Wang, Rensselaer Polytechnic Institute
- *Employment and Technological change. Evidence from British Local Labour Markets* Luisa Gagliardi, London School of Economics
- *Broadband Technology Adoption in Rural and Urban Households* Peter L. Stenberg, Economic Research Service

Discussants:

- Yiwei Zhou, Rensselaer Polytechnic Institute
- Peter L Stenberg, Economic Research Service
- Charles A Ingene, University of Mississippi
- Luisa Gagliardi, London School of Economics

43. Formal Paper Session **UEA 07: Environment** Thursday Nov 14 | 1:30 PM-3:30 PM

Chair: Stephen Gibbons, Department of Geography and Environment

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- *Green cities? Urbanization, trade and the environment* Rainald Borck, University of Potsdam; Michael Pflüger, University of Wuerzburg
- *Gone with the wind: valuing the local impacts of wind turbines through house prices* Stephen Gibbons, Department of Geography and Environment
- *Towards Estimating the Carbon Footprint of Retail: Do English Planning Policies Make Shops More Accessible?* Paul Cheshire, London School of Economics; Christian Hilber, London School of Economics; Rosa Sanchis-Guarner, London School of Economics
- *Centralization and Accountability: Theory and Evidence from the Clean Air Act* Federico Boffa, University of Macerata; Amedeo Piolatto, Barcelona Institute of Economics (IEB); Giacomo Ponzetto, CREI , UPF, and Barcelona GSE

Discussants:

- Stephen Gibbons, Department of Geography and Environment
- Rosa Sanchis-Guarner, London School of Economics
- Giacomo Antonio Maria Ponzetto, CREI , UPF, and Barcelona GSE
- Rainald Borck, University of Potsdam

44. Formal Paper Session **UEA 08: Industry Location 1** Thursday Nov 14 | 1:30 PM-3:30 PM

Chair: John Clapp, University of Connecticut

- *The Influence of Diversity on the Formation, Survival and Growth of New Firms* Mikaela Backman, Jönköping International Business School,; Janet Kohlhase, University of Houston
- *Industry location and wages: the role of size and accessibility in trading networks* Javier Barbero, Universidad Autónoma de Madrid; Kristian Behrens, Univ. du Québec à Montréal; Jose Zofío, Universidad Autónoma de Madrid
- *Where Do Automotive Suppliers Locate and Why?* Ted Rosenbaum, Yale University
- *Strategic Location Decisions of Anchor Stores: An Application of the Experienced Based Equilibrium Model* Tingyu Rhea Zhou, University of Connecticut; John Clapp, University of Connecticut

Discussants:

- Javier Barbero, Universidad Autonoma de Madrid
- Ted Rosenbaum, Yale University
- Stephen Ross
- Janet Kohlhase, University of Houston

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45. Formal Paper Session **UEA 09: Migration 1** Thursday Nov 14 | 1:30 PM-3:30 PM

Chair: Tara Watson, Williams College

- *Migration of Power Couples: Recent Evidence from the American Community Surveys* Curtis Simon, Clemson University
- *Smart City, Life-cycle Migration and Falling Mobility since the 1980s* Zhi Wang, Fudan University
- *Enforcement and Immigrant Location Choice* Tara Watson, Williams College
- *Underwater? Household Finances and Migration Decisions after a Flood: The Case of Hurricane Katrina* Daniel Hartley, Federal Reserve Bank of Cleveland

Discussants:

- Zhi Wang, Fudan University
- Curtis Simon, Clemson University
- Daniel Hartley, Federal Reserve Bank of Cleveland
- Tara Watson, Williams College

46. Special Session **Water Isard Memorial Session I** Thursday Nov 14 | 1:30 PM-3:30 PM

Organizers: Tschangho John Kim, University Of Illinois; Adam Rose, USC

Chair: David Boyce, Northwestern University

- *Rise of Megalopolis as a Mega Knowledge Region: Interactions of Innovations in Transport, Information, Production, and Organizations* T. R. Lakshmanan, Boston University; William Anderson, University of Windsor; Yena Song, University of Southampton
- *Framework for Spatial Models for Future Cities* Tschangho John Kim, University Of Illinois
- *Demographic Challenges to Regional Development* Geoffrey Hewings, University of Illinois - Urbana-Champaign; Euijune Kim, Seoul National University
- *Cluster Dynamics: Structural Properties of Cluster Life-Cycles and Public Policy* Roger Stough, George Mason University

Discussants:

- David Boyce, Northwestern University
- Karima Kourtit, Free University, Amsterdam

3:30 PM-5:00 PM

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47. Business Meeting **RRI Advisory Meeting (Invitation only)** Thursday Nov 14 | 3:30 PM-5:00 PM

4:00 PM-6:00 PM

48. **Transportation III: The Economics of Road Pricing** Thursday Nov 14 | 4:00 PM-6:00 PM

Chair: Timothy Welch, Georgia Institute of Technology

- *Corrective Measure for the 'Naive Policy' in Highway Investment* Abu Nur Rashed Ahmed, National Graduate Institute for Policy Studies; Yuichiro Yoshida, National Graduate Institute for Policy Studies
- *Optimal road pricing and revenue recycling in urban networks with distorted land and labor markets: a model tailored for the area of Randstad.* Ioannis Tikoudis, Erik T. Verhoef, Jos N. van Ommeren Ioannis Tikoudis, VU University Amsterdam; Erik T. Verhoef, VU University Amsterdam; Jos van Ommeren, VU University Amsterdam
- *A Framework for Determining Road Pricing Revenue Use and Its Welfare Effects* Timothy Welch, Georgia Institute of Technology; Sabyasachee Mishra, University of Memphis
- *An Urban Residential Land Use Model: Sustainable Urban Development with Toll-pricing and Accessibility* Jinge Hu, SUNY - Buffalo; Changhyun Kwon, SUNY - Buffalo; Jiyoung Park, SUNY - Buffalo; Qian Wang, SUNY - Buffalo

Discussants:

- Ioannis Tikoudis, VU University Amsterdam
- Jinge Hu
- Rashed Abu Nur Ahmed, National Graduate Institute for Policy Studies
- Timothy Welch, Georgia Institute of Technology

49. Panel **Stan Czamanski: In Memorium** Thursday Nov 14 | 4:00 PM-6:00 PM

Organizers: Kieran Donaghy, Cornell University; Daniel Czamanski, Technion - Israel Institute of Technology

Discussants:

- Kieran Donaghy, Cornell University
- Emil Malizia, University of North Carolina - Chapel Hill
- Iwan Azis, Asian Development Bank

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- Daniel Czamanski, Technion - Israel Institute of Technology

50. Formal Paper Session **GS: Migration I** Thursday Nov 14 | 4:00 PM-6:00 PM

Chair: Andres Rodriguez-Pose, London School of Economics

- *Regional Development in Japan: Amenities as Magnets?* Andrew Perumal, University of Massachusetts Boston; Scott Fuess, University of Nebraska - Lincoln
- *The effects of violence and illegal drugs in households' migration choices: The case of Mexico* Laura H. Atuesta, Centro de Investigacion y Docencia Economicas (CIDE); Dusan Paredes, Universidad Católica del Norte
- *Agglomeration Economies and Rural Migrant Workers' Wages in China* Jianguo Wang,
- *European migration, national origin and long-term economic development in the US* Andres Rodriguez-Pose, London School of Economics; Viola von Berlepsch, London School of Economics

Discussants:

- Andres Rodriguez-Pose, London School of Economics
- Jianguo Wang
- Laura H Atuesta, Centro de Investigacion y Docencia Economicas (CIDE)
- Andrew Perumal, University of Massachusetts Boston

51. Formal Paper Session **GS: Immigration and Migration in Regional Economies** Thursday Nov 14 | 4:00 PM-6:00 PM

Chair: Nhi H Tran, Monash University

- *Immigration and Metropolitan Areas' Economic Growth - A Spatial Panel Approach* Xiaochu Hu, George Mason University
- *Regional Economic Analysis of Internal Migration in Mexico* Rafael Garduno-Rivera, Centro de Investigacion y Docencia Economicas, A.C. (CIDE); Kathy R. Baylis, University of Illinois - Urbana-Champaign
- *Integration, Agglomeration, and Costly Adjustment of Labor* Mina Kim,
- *Can temporary visas be an effective policy instrument for regional development?: a general equilibrium analysis* Nhi H. Tran, Monash University; James A. Giesecke, Monash University; John R. Madden, Monash University; Elizabeth L. Roos, Monash University

Discussants:

- Nhi H Tran, Monash University

- Xiaochu Hu, George Mason University
- Rafael Garduno-Rivera, Centro de Investigacion y Docencia Economicas, A.C. (CIDE)
- Mina Kim

52. Formal Paper Session **Regional/Rural Development I** Thursday Nov 14 | 4:00 PM-6:00 PM

Organizers: Stephan Weiler, Colorado State University; Peter Schaeffer, West Virginia University

- *Entrepreneurship, Information, and Growth* Devin Buntun, University of California - Los Angeles; Eric Thompson, University of Nebraska - Lincoln; Stephan Weiler, Colorado State University
- *Regional Determinants of Entrepreneurship by Gender* Tessa Conroy, Colorado State University
- *The Role of Parental Experience in Entrepreneurship Choice Among Rural and Urban Adults* Eric Thompson, University of Nebraska - Lincoln
- *Towards a Reliable Measure of Self-Reported Innovation: Preliminary Findings from the Rural Establishment Innovation Pilot Survey* Tim Wojan, USDA Economic Research Service

Discussants:

- Tim Wojan, USDA Economic Research Service
- Eric Thompson, University of Nebraska - Lincoln
- Tessa Conroy, Colorado State University
- Devin Buntun, University of California - Los Angeles

53. Formal Paper Session **Location and spatial analysis I: 40 years of Maximal Coverage** Thursday Nov 14 | 4:00 PM-6:00 PM

Organizers: Alan T Murray, Arizona State University; Rick Church, University Of California At Santa Barbara

Chair: Alan T Murray, Arizona State University

- *Forty Years of Maximal Coverage Location Modeling* Alan T. Murray, Arizona State University
- *The Maximum Covering Location Problem and Habitat Reserve Site Selection* Robert G. Haight, USDA Forest Service; Stephanie A. Snyder, USDA Forest Service
- *Continuous space siting for maximal coverage* Ran Wei, Arizona State University; Alan T. Murray, Arizona State University

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- *Development of the Maximal Covering Location Model with Hedging (MCLMH): Locating Lead Poisoning Screening Facilities in the Dominican Republic* Samuel J. Ratick, Clark University; Jeffrey Osleeb, University of Connecticut

Discussants:

- Daoqin Tong, University of Arizona
- Rick Church, University Of California At Santa Barbara
- Tony H Grubestic, Oregon State University
- Eric Delmelle, University of North Carolina (Charlotte)

54. Formal Paper Session **Regional Development III: Food and Drink** Thursday Nov 14 | 4:00 PM-6:00 PM

Organizers: Alessandra Faggian, The Ohio State University; Rachel S. Franklin, Brown University; Elizabeth A Mack, Arizona State University

Chair: Kevin Stolarick, University of Toronto

- *The Intra-urban Location of Brewpubs: An Application of Central Place Theory?* Michael S. Moore, University of Toledo
- *Local Foods and Regional Economic Growth: An Application of Spatial Bayesian Model Averaging* Steve Deller, University of Wisconsin - Madison; Laura Brown, University of Wisconsin - Extension; Anna Haines, University of Wisconsin - Stevens Point; Randy Fortenberry, Washington State University
- *The Geographical Evolution and Locational Determinants of the U.S. Craft Brewing Industry.* Michael S. Moore, University of Toledo; Ralph B. McLaughlin, San Jose State University; Neil Reid, Univ. Of Toledo

Discussants:

- Ralph B McLaughlin, San Jose State University
- Neil Reid, Univ. Of Toledo
- Steve Deller, University of Wisconsin - Madison

55. Formal Paper Session **GS: Transportation Econometric Models** Thursday Nov 14 | 4:00 PM-6:00 PM

Chair: Sabreena Anowar, McGill University

- *Bicycle Safety in Toronto and Montreal: Examining the Influence of Built Environment Employing Latent Segmentation Based Count Models* Michelle Pinto, McGill University; Shamsunnahar Yasmin, McGill University; Naveen Eluru, McGill University

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- *Modelling Bicyclists' Injury Severity Levels in the Province of Nova Scotia, Canada* Justin J. Forbes, Dalhousie University; Muhammad Ahsanul Habib, Dalhousie University
- *Modeling Mobility Tool Ownership Of The Youth In Toronto : Assessing Built Environment, Neighborhood And Accessibility Effects* Mahmudur Rahman Fatmi, Dalhousie University; Muhammad Ahsanul Habib, Dalhousie University
- *Analysis of Vehicle Ownership Evolution in Montreal* Sabreena Anowar, McGill University; Naveen Eluru, McGill University; Luis F. Miranda-Moreno, McGill University

Discussants:

- Justin J. Forbes, Dalhousie University
- Sabreena Anowar, McGill University
- Michelle Pinto, McGill University
- Mahmudur Rahman Fatmi, Dalhousie University

56. Formal Paper Session **GS: Urban Economic Theory and Housing** Thursday Nov 14 | 4:00 PM-6:00 PM

Chair: Satyajit Chatterjee, Federal Reserve Bank of Philadelphia

- *An estimation of the housing production function for Bogotá* Enrique Gilles, Universidad Sergio Arboleda; Antonio Avendano, Universidad Sergio Arboleda; Dusan Paredes, Universidad Católica del Norte
- *A Tractable Circular City Model with an Application to the Effect of Urban Growth Boundary on Land Rents* Satyajit Chatterjee, Federal Reserve Bank of Philadelphia; Burcu Eyigungor, Federal Reserve Bank of Philadelphia
- *When taxing construction leads to more construction: modelling the impact of a tax for insufficient density* Paolo Avner, CIREA; Vincent Viguie, CIREA; Stephane Hallegatte, World Bank

Discussants:

- Paolo Avner, CIREA
- Enrique Gilles, Universidad Sergio Arboleda
- Satyajit Chatterjee, Federal Reserve Bank of Philadelphia

57. Formal Paper Session **Regional Development II: Innovation and Productivity** Thursday Nov 14 | 4:00 PM-6:00 PM

Organizers: Alessandra Faggian, The Ohio State University; Rachel S. Franklin, Brown

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University; Elizabeth A Mack, Arizona State University

Chair: Sergio Rey, Arizona State University

- *Socio-economic factors and European regions productivity* Giorgio Fazio, University of Palermo; Enza Maltese, University of Palermo; Davide Piacentino, University of Palermo
- *Innovation and Entrepreneurship* Edward J Malecki, Ohio State University; Ben Spigel, University of Edinburgh Business School
- *Do Inventors in Less Inventive Regions Substitute Networks for Thin Agglomerative Economies of Scale?* Breandan O hUallachain , Arizona State University; Kevin Kane, Arizona State University
- *Contrasting Estimates of Self-Employment or Proprietors in the United States: A Comparison of BEA, BLS, and Census Estimates* William B. Beyers, University Of Washington

Discussants:

- Edward J Malecki, Ohio State University
- Breandan O hUallachain , Arizona State University
- William B. Beyers, University Of Washington
- Giorgio Fazio, University of Palermo

58. Formal Paper Session **GS: Spatial Data and Methods** Thursday Nov 14 | 4:00 PM-6:00 PM

Chair: Jean Dube, Universite du Quebec a Rimouski

- *A System to Label Total Domestic Labor Content of Products Using Firm-Level Supply-Chain Analysis with IMPLAN* Greg Alward, IMPLAN Group LLC
- *Time influence on autocorrelation statistics in cross sectional data pooled over time: A meta-analysis* Nicolas Devaux, University of Quebec - Rimouski; Jean Dubé, University of Quebec - Rimouski
- *A Method for Improving the American Community Survey Tract-Level Estimates.* Seth E. Spielman, University of Colorado; David Folch, university of colorado
- *Building local indicators using spatial micro data: A natural extension for economic geography* Jean Dube, Universite du Quebec a Rimouski; Cedric Brunelle, Memorial University
- *Fast generation of spatially diverse one-to-one shortest path options* F. Antonio Medrano, UC Santa Barbara; Rick Church, University Of California At Santa Barbara

Discussants:

- Jean Dube, Universite du Quebec a Rimouski
- F. Antonio Medrano, UC Santa Barbara
- Greg Alward, IMPLAN Group LLC
- Seth E Spielman, University of Colorado
- Nicolas Devaux, University of Quebec - Rimouski

59. Formal Paper Session **GeoComputation 2: Agent-Based Modeling** Thursday Nov 14
| 4:00 PM-6:00 PM

Organizers: Suzana Dragicevic, Simon Fraser University; Jean-Claude F Thill, Univ. of North Carolina at Charlotte

Chair: Wenwu Tang, Univ. of North Carolina at Charlotte

- *Residential Land Use Patterns in Berkeley County, WV: A Spatially Explicit Agent-based Model* Nazia Arbab, West Virginia University; Alan R. Collins, West Virginia University
- *How diverse can measuring cultural diversity be? Results from agent-based simulations* Daniel Arribas-Bel, VU University; Jacques Poot, University of Waikato; Peter Nijkamp, VU University
- *A Simulation of Housing Improvement and New Development: The Role of Environmental Amenity and Neighborhood Effects* Haoying Wang, Pennsylvania State University
- *Cyberinfrastructure-enabled High-performance and Parallel Computing for Geocomputational Modeling* Wenwu Tang, Univ. of North Carolina at Charlotte; Wenpeng Feng, University of North Carolina - Charlotte; Jing Deng, University of North Carolina - Charlotte; Meijuan Jia, University of North Carolina - Charlotte

Discussants:

- Zhaoya Gong, UNC Charlotte
- Haoying Wang, Pennsylvania State University
- Nazia Arbab, West Virginia University
- Daniel Arribas-Bel, VU University

60. Formal Paper Session **GS: The Nexus of Agriculture and Economic Growth** Thursday
Nov 14 | 4:00 PM-6:00 PM

Chair: John B Parr, University of Glasgow

- *Exploring the Urban System of von Thunen's Isolated State* John B. Parr, University of Glasgow

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- *The Timing and Spatial Distribution of World Urbanization: The Role of Initial Agricultural Endowments* Xiaofei Li, Purdue University; Raymond Florax, Purdue University; Brigitte Waldorf, Purdue University
- *Does land use change foster economic growth? Agricultural expansion and its impact on rural development in the Brazilian Amazon and Cerrado.* Mareike Lange, Kiel Institute for the World Economy
- *An Evaluation of the Effectiveness of Farmland Protection Policy in China* Man Li, International Food Policy Research Institute

Discussants:

- Xiaofei Li, Purdue University
- John B Parr, University of Glasgow
- Man Li, International Food Policy Research Institute
- Mareike Lange, Kiel Institute for the World Economy

61. Formal Paper Session **UEA 11: Real Estate** Thursday Nov 14 | 4:00 PM-6:00 PM

Chair: Lu Han, Rotman School of Management - U of Toronto

- *Experimental Tests for Discrimination by Mortgage Loan Originators* Andrew Hanson, Marquette University; Zackary Hawley, Texas Christian University; Bo Liu, Georgia State University; Hal Martin, Georgia State University
- *In-House Transactions in the Real Estate Brokerage Industry: Matching Outcome or Strategic Promotion?* Lu Han, University of Toronto
- *List Price Information in the Negotiation of Commercial Real Estate Transactions: Is Silence Golden?* Peng Liu, Cornell University
- *Housing and Elderly Health: Evidence from Falls* Michael Eriksen, University of Georgia; Gary Engelhardt, Syracuse University; Nadia Greenhalgh-Stanley, Kent State University

Discussants:

- Michael Eriksen, University of Georgia
- Peng Liu, Cornell University
- Lu Han, University of Toronto
- Andrew Hanson, Marquette University

62. Formal Paper Session **UEA 12: Transportation Infrastructure** Thursday Nov 14 | 4:00 PM-6:00 PM

Chair: Daniel Wilson, Federal Reserve Bank of San Francisco

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- *The Short Run Effect of Public Transit on Crime* David Phillips, Hope College; Danielle Sandler, Freddie Mac
- *New Rail Infrastructure: Effects on Happiness Using Micro Surveys in Beijing* WENJIE WU, University of Glasgow
- *Does Rail Transit Investment Stimulate Neighborhood Retail Activity?* Jenny Schuetz, University of Southern California
- *Are State Governments Roadblocks to Federal Stimulus? Evidence From Highway Grants in the 2009 Recovery Act* Daniel Wilson, Federal Reserve Bank of San Francisco; Sylvain Leduc, Federal Reserve Bank of San Francisco

Discussants:

- Daniel Wilson, Federal Reserve Bank of San Francisco
- Jenny Schuetz, University of Southern California
- WENJIE WU, University of Glasgow
- David Phillips, Hope College

63. Formal Paper Session **UEA 10: Land Use Regulations** Thursday Nov 14 | 4:00 PM-6:00 PM

Chair: Kyle Mangum, Georgia State University

- *Do land-use policies follow road construction?* Elisabet Viladecans-Marsal, Universitat de Barcelona; Miquel-Àngel Garcia-López, Universitat Autònoma de Barcelona; Albert Solé-Ollé, University of Barcelona
- *The Global Effects of Local Land Use Restrictions* Kyle Mangum, Georgia State University
- *The Determinants of Housing Vacancy Rates: Does Land Use Regulation Matter?* Hans Koster, VU University Amsterdam; Paul Cheshire, London School of Economics; Christian Hilber, London School of Economics

Discussants:

- Kyle Mangum, Georgia State University
- Hans R.A. Koster, VU University Amsterdam
- Elisabet Viladecans-Marsal, Universitat de Barcelona

Friday, 15 November 2013

7:30 AM-5:30 PM

64. **Registration** Friday Nov 15 | 7:30 AM-5:30 PM

8:00 AM-10:00 AM

65. Transportation IV: Travel Choices of Individuals & Households Friday Nov 15 | 8:00 AM-10:00 AM

Chair: Antonio Paez, McMaster University

- *Gender or Role? Analysis of activity participation of single-parent household heads in Canada considering time-use patterns* Antonio Paez, McMaster University; Jarin Esita, McMaster University
- *Modelling Travel Behaviour of Car Share Members in Halifax, Canada* Mahmudur Rahman Fatmi, Dalhousie University; Muhammad Ahsanul Habib, Dalhousie University
- *Modeling individual travel behaviors based on intra-household interactions* Changjoo Kim, University of Cincinnati; Olivier Parent, University of Cincinnati
- *Endogenous Formation of Urban Structure with Residential Sorting* Kakuya Matsushima, Kyoto University; Kiyoshi Kobayashi, Kyoto University

Discussants:

- Changjoo Kim, University of Cincinnati
- Kakuya Matsushima, Kyoto University
- Mahmudur Rahman Fatmi, Dalhousie University
- Antonio Paez, McMaster University

66. Formal Paper Session GS: Environmental Change and Regional Economies Friday Nov 15 | 8:00 AM-10:00 AM

Chair: Yong Chen, Oregon State university

- *Coastline Defense Against Sea Level Rise and the Nourishment Dilemma* Sathya Gopalakrishnan, Ohio State University; Dylan McNamara, UNC, Wilmington; Martin Smith, Duke University; A. Brad Murray, Duke University
- *Natural Disaster and Migration: Empirical Evidence from the 2005 Gulf of Mexico Hurricanes* Seong Do Yun, Purdue University; Brigitte Waldorf, Purdue University
- *Adaptation to climate change through migration* Margarita Portnykh, Clemson University
- *An Integrated Engineering-Economic Vulnerability Assessment Tool --An Assessment of Tsunami Impact on Rural Coastal Communities* Yong Chen, Oregon State university; Bruce Weber, Oregon State University; Daniel Cox, Oregon State University; Yunguang Chen, Oregon State University

Discussants:

- Yong Chen, Oregon State university
- Sathya Gopalakrishnan, Ohio State University
- Seong Do Yun, Purdue University
- Margarita Portnykh, Clemson University

67. Formal Paper Session **GS: Transportation and Development** Friday Nov 15 | 8:00 AM-10:00 AM

Chair: Eduardo Simoes de Almeida, Federal University of Juiz de Fora

- *Transport Infrastructure, Urbanization and Shipping Costs: An analysis of the effects of an exogenous transport cost reduction on regional development* Flavia Chein, Federal University of Juiz de Fora
- *Road traffic congestion, market potential and intra-metropolitan location of firms: a study of Los Angeles Region* Yuting Hou, University of Southern California
- *Transportation-Land Use Connection: The Impact of Transportation Investment on Land Use Change* Daniel Shefer, Technion - Israel Institute of Technology
- *Economic growth and infrastructure in Brazil: a spatial multilevel approach* Eduardo Simoes de Almeida, Federal University of Juiz de Fora; Pablo Guimarães, Federal University of Juiz de Fora
- *Incorporating Sprawl and Adjacency Measures in Future Land Use Forecasting Model* Parmanand Sinha, University of Texas - Dallas

Discussants:

- Parmanand Sinha, University of Texas - Dallas
- Flavia Chein, Federal University of Juiz de Fora
- Yuting Hou, University of Southern California
- Daniel Shefer, Technion - Israel Institute of Technology
- Eduardo Simoes de Almeida, Federal University of Juiz de Fora

68. Formal Paper Session **GS: Environmental Issues I** Friday Nov 15 | 8:00 AM-10:00 AM

Chair: Karen Maguire, Oklahoma State University

- *Potential Health Impacts of Expanding Compressed Natural Gas Filling Stations* Marc Mulkey, West Virginia University; Praveena Jayaraman, West

Virginia University; Nazia Arbab, West Virginia University; Tesfa Gebremedhin, West Virginia University

- *Estimation of provincial forest carbon sink capacities in Chinese mainland* xiaozhe ma, ; Wang Zheng, Chinese Academy of Sciences
- *The effect of the size of an area on the cost of acquiring the site for protection: An application of propensity score matching* Taeyoung Kim, University of Tennessee; Seong-Hoon Cho, University of Tennessee; Eric R. Larson, University of Tennessee; Paul R. Armsworth,
- *Do Renewable Portfolio Standards Increase Electricity Prices? A Synthetic Control Approach* Karen Maguire, Oklahoma State University; Abdul Munasib, Oklahoma State University

Discussants:

- Karen Maguire, Oklahoma State University
- Marc Mulkey, West Virginia University
- xiaozhe ma
- Taeyoung Kim, University of Tennessee

69. Formal Paper Session **Location and spatial analysis II: 40 years of Maximal Coverage** Friday Nov 15 | 8:00 AM-10:00 AM

Organizers: Alan T Murray, Arizona State University; Rick Church, University Of California At Santa Barbara

Chair: Tony H Grubestic, Oregon State University

- *The shortest covering path problem: a new perspective* Timothy J. Niblett, University of California - Santa Barbara; Rick Church, University Of California At Santa Barbara
- *Maximal Coverage and Data Envelopment Analysis in Evaluating Rural Air Transport in the US* Alan T. Murray, Arizona State University; Tony H. Grubestic, Drexel University
- *A new look at public safety service provision: modeling and testing service coverage using cyber search, GIS, and optimization* Rick Church, University Of California At Santa Barbara; Wenwen Li,
- *Looking back: "What I didn't cover but should have"* Rick Church, University Of California At Santa Barbara

Discussants:

- Ran Wei, Arizona State University
- Samuel J. Ratick, Clark University
- Hyun Kim, University of Tennessee
- Morton E. O'Kelly, The Ohio State University

70. Formal Paper Session **GS: Health Delivery Spatial Dynamics** Friday Nov 15 | 8:00 AM-10:00 AM

Chair: Naoru Koizumi, George Mason University

- *The Role of Spatial Interaction in Modeling Adolescent HPV Vaccination Behavior for a Low-Income Minority Population* Caitlin McKillop, University of Texas - Dallas; Tammy Leonard, University of Texas at Dallas; Jasmin A. Tiro, University of Texas Southwestern Medical Center
- *Caring for the surviving parent: How do adult siblings interact?* Olivier Parent, University of Cincinnati; Nicolas Williams, University of Cincinnati
- *The spatial dynamics of the retail drug markets in Managua: A spatial hierarchical estimation approach* Laura H. Atuesta, Centro de Investigacion y Docencia Economicas (CIDE); Santiago Ramirez, Inter-American Development Bank
- *Applications of Spatial, Mathematical and Simulation Models to Construct Efficient and Equitable Allocation System for Liver Transplantation.* Naoru Koizumi, George Mason University; Tony Smith, University of Pennsylvania; Amit Patel, George Mason University; Rajesh Ganesan, George Mason University; Chun-Hung Chen, George Mason University; Nigel Waters, George Mason University; Monica Gentili, University of Salerno; Keith Melancon, George Washington University; Debasree Das Gupta, George Mason University

Discussants:

- Laura H Atuesta, Centro de Investigacion y Docencia Economicas (CIDE)
- Naoru Koizumi, George Mason University
- Caitlin McKillop, University of Texas - Dallas
- Olivier Parent, University of Cincinnati

71. Formal Paper Session **GS: Institutional Change** Friday Nov 15 | 8:00 AM-10:00 AM

Chair: Diana Patricia Niño Muñoz , Universidad Sergio Arboleda

- *Rolling in the Deep: An Empirical Research on China's Political Reform Advanced by Local Government Innovations* Junbo Yu, Jilin University
- *Endogenous jurisdictions formation and its segregative properties: a survey of the literature* Remy Oddou, University Paris West
- *Divisive Policies and Their Electoral Consequences: Italy, 1863* Andrea R. Lamorgese, Bank of Italy; Antonio Accetturo, Bank of Italy; Matteo Bugamelli, Bank of Italy

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- *Institutional quality and development in Colombian oil-endowed municipalities* Diana Patricia Niño Muñoz , Universidad Sergio Arboleda

Discussants:

- Diana Patricia Niño Muñoz , Universidad Sergio Arboleda
- Junbo Yu, Jilin University
- Remy Oddou, University Paris West
- Andrea R Lamorgese, Bank of Italy

72. Formal Paper Session **GS: Residential Real Estate I** Friday Nov 15 | 8:00 AM-10:00 AM

Chair: Douglas Woodward, University of South Carolina

- *Sports Stadiums and Gentrification in American Downtowns* Eric Joseph Chisholm, Georgia State University
- *The impact of housing policies on the housing market conditions in Seoul, Korea from a spatial perspective: a preliminary analysis* Jungyul Sohn, Seoul National University
- *House Price Dynamics* JING ZHANG, OHIO STATE UNIVERSITY
- *Local Housing Returns and the Optimal Portfolio of Consumption Constrained Households* guoliang feng, George Washington University
- *School Accountability Ratings and Housing Prices: Testing No Child Left Behind* Douglas Woodward, University of South Carolina; Joseph Von Nessen, University of South Carolina; Paulo Guimaraes, University of South Carolina

Discussants:

- Douglas Woodward, University of South Carolina
- Eric Joseph Chisholm, Georgia State University
- guoliang feng, George Washington University
- JING ZHANG, OHIO STATE UNIVERSITY
- Jungyul Sohn, Seoul National University

73. Formal Paper Session **GS: Urban Economic Theory I** Friday Nov 15 | 8:00 AM-10:00 AM

Chair: Noriaki Matsushima, Osaka University

- *Integration and Welfare with Horizontal Multinationals* Fabio Cerina, University of Cagliari; Tadashi Morita,; Kazuhiro Yamamoto, Osaka University

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- *Inefficient equilibrium unemployment in a matching model with commuting* Etienne Lehmann, Université Paris 2; Paola L. Montero Ledezma, Université Catholique de Louvain; Bruno Van der Linden, Université catholique de Louvain
- *GDP Distribution of Cities* Akin Buyukeren, University of Minnesota - Duluth; Luiggi Donayre, University of Minnesota - Duluth; Hiroki Watanabe, Washington University in St. Louis
- *Port privatization in an international oligopoly* Noriaki Matsushima, Osaka University; Kazuhiro Takauchi, Onomichi City University

Discussants:

- Noriaki Matsushima, Osaka University
- Fabio Cerina, University of Cagliari
- Paola L. Montero Ledezma, Université Catholique de Louvain
- Akin Buyukeren, University of Minnesota - Duluth

74. Formal Paper Session **The GIS Frontiers of Regional Geography** Friday Nov 15 | 8:00 AM-10:00 AM

Organizers: Eric Vaz, Ryerson University; Peter Nijkamp, VU University; Brian Ceh, Ryerson University

- *An application for regional, coastal erosion processes in urban areas: a case study of the Golden Horseshoe* Lisa Bowman, Ryerson
- *Measuring population changes through dasymetric mapping -- The case of rural abandonment in Portugal* Eric Vaz, Ryerson University; Marisa Cesario, University of the Algarve; Teresa Noronha, University of the Algarve
- *A Spatial Analysis of the influence of urban centrality for the business landscape of Mumbai, India* Eric Vaz, Ryerson University; Brian Ceh, Ryerson University; Daniel Galati, Ryerson University
- *The role of medium towns in peripheries* Teresa Noronha, University of the Algarve; Eric Vaz, Ryerson University

Discussants:

- Teresa Noronha, University of the Algarve
- Eric Vaz, Ryerson University
- Peter Nijkamp, VU University

75. Formal Paper Session **GS: Innovation and the Individual** Friday Nov 15 | 8:00 AM-10:00 AM

Chair: Cathy Yang Liu, Georgia State University

- *The Scales of Creativity: A Distributional Approach to Characterize Creative Class Employment, Inventors, and Patents, and Their Relation to Population Size in Cities* Andres Gomez-Lievano, Arizona State University; Luis MA Bettencourt, Santa Fe Institute; Kevin Stolarick, University of Toronto; Deborah Strumsky, University of North Carolina - Charlotte; Jose Lobo, University of Arizona
- *The Geography of Collaborative Networks as Determinants of Knowledge Diffusion Patterns in the US* zafer sonmez, university of illinois at chicago
- *Identifying Highly Knowledgeable, Creative, and Innovative Individuals and their Interactions with Canadian Cities* Chris Higgins, McMaster University; Antonio Paez, McMaster University; Pavlos Kanaroglou, McMaster University
- *Immigrant Entrepreneurship in High-Tech Industries in the U.S.* Cathy Yang Liu, Georgia State University; Gary Painter, University of Southern California; Qingfang Wang, The University of North Carolina at Charlotte

Discussants:

- Cathy Yang Liu, Georgia State University
- Andres Gomez-Lievano, Arizona State University
- zafer sonmez, university of illinois at chicago
- Chris Higgins, McMaster University

76. Formal Paper Session **GS: Land Use** Friday Nov 15 | 8:00 AM-10:00 AM

Chair: Chandra R Bhat, The University of Texas at Austin

- *Spatial dependence in Japanese rice productivity under long term climate change* Yoji Kunimitsu, National Agriculture and Food Research Organization; Ryoji Kudo, National Institute of Food and Agriculture; Toshichika Iizumi, National Institute for Environmental Studies; Masayuki Yokozawa, National Institute for Environmental Studies
- *Unintended consequences of development moratoria on land use* Matthew K. Gnagey, The Ohio State University
- *Equilibrium Land Use in a Multicentric City* Mitsuru Ota, University of Tsukuba
- *A New Spatial Multiple Discrete-Continuous Modeling Approach to Land Use Change Analysis* Chandra R. Bhat, The University of Texas at Austin; Subodh Dubey, University of Texas - Austin

Discussants:

- Chandra R Bhat, The University of Texas at Austin
- Mitsuru Ota, University of Tsukuba
- Matthew K Gnagey, The Ohio State University
- Yoji Kunimitsu, National Agriculture and Food Research Organization

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77. Formal Paper Session **Regional Development IV: Broadband** Friday Nov 15 | 8:00 AM-10:00 AM

Organizers: Elizabeth A Mack, Arizona State University; Alessandra Faggian, The Ohio State University; Rachel S. Franklin, Brown University

Chair: Rachel S. Franklin, Brown University

- *Spatial Heterogeneity, Broadband, and New Firm Formation* Jitendra Parajuli, George Mason University; Kingsley E. Haynes, George Mason University
- *Industrial Variations in the Broadband-Business Nexus: A Historical Perspective* Elizabeth A. Mack, Arizona State University; Elizabeth A. Wentz, Arizona State University
- *Broadband provision and knowledge intensive firms: a causal relationship?* Emmanouil Tranos, University of Birmingham; Elizabeth A. Mack, Arizona State University
- *The Broadband Business Nexus: Theory, Application and Policy Perspectives* Tony H. Grubestic, Oregon State University; Elizabeth A. Mack, Arizona State University

Discussants:

- Elizabeth A Mack, Arizona State University
- Emmanouil Tranos, University of Birmingham
- Tony H Grubestic, Oregon State University
- Jitendra Parajuli, George Mason University

78. Formal Paper Session **UEA 14: Migration 2** Friday Nov 15 | 8:00 AM-10:00 AM

Chair: Dionissi Aliprantis, Federal Reserve Bank of Cleveland

- *A Sequential Growth Model of Cities with Rushes* Nathan Seegert, University of Michigan
- *Urban location, housing equilibrium, and retiree migration* Nicholas Sheard, Aix-Marseille University; Paolo Piacquadio, Université catholique de Louvain
- *What can regional labor markets tell us about declining US migration?* Kyle Hood, Bureau of Economic Analysis
- *Marginal Neighborhood Effects from Moving to Opportunity* Dionissi Aliprantis, Research Department

Discussants:

- Nicholas Sheard, Aix-Marseille University
- Nathan Seegert, University of Michigan
- Dionissi Aliprantis, Federal Reserve Bank of Cleveland

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- Kyle Hood, Bureau of Economic Analysis

79. Formal Paper Session **UEA 15: Tax Competition** Friday Nov 15 | 8:00 AM-10:00 AM

Chair: David Agrawal, University of Georgia

- *Tax competition with commuting workers and agglomeration* Michiel Gerritse, University of Groningen
- *Inter-Federation Competition: Sales Taxation with Multiple Federations* David Agrawal, University of Georgia
- *Are Local Tax Rates Strategic Complements or Strategic Substitutes?* Raphael Parchet, University of Basel and University of Lausanne
- *Emission Tax, Abatement, and Regional Inequalities* Hajime Takatsuka, Kagawa University

Discussants:

- Hajime Takatsuka, Kagawa University
- Raphael Parchet, University of Basel and University of Lausanne
- David Agrawal, University of Georgia
- Michiel Gerritse, University of Groningen

80. Formal Paper Session **UEA 13: City Size Distributions** Friday Nov 15 | 8:00 AM-10:00 AM

Chair: John McDonald,

- *Task Trade and the Size Distribution of Cities* Kohei Nagamachi, The University of Tokyo
- *Sequential city growth in the US: Does age matter?* Rafael González-Val, Universidad de Zaragoza & Institut d'Economia de Barcelona (IEB); María Sánchez-Vidal, Universitat de Barcelona & IEB; Elisabet Viladecans-Marsal, Universitat de Barcelona
- *Urbanization and the Transformation of the South: A Review of Modern History* John McDonald,

Discussants:

- Rafael Gonzalez-Val, Universitat de Barcelona & Institut d'Economia de Barcelona (IEB)
- John McDonald,
- Kohei Nagamachi, The University of Tokyo

10:30 AM-12:30 PM

81. **Transportation V: Non-motorized Transport & Commute Distances** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Daniel Fagnant, The University of Texas, Austin

- *Development of a Bicycle Direct-Demand Model in Shoreline, Washington: Impacts of Bicycle LOS and other factors on Observed and Predicted Intersection Counts* Daniel Fagnant, The University of Texas, Austin; Kara Kockelman, The University of Texas, Austin
- *How does land-use and urban form impact bicycle flows: Evidence from the bicycle-sharing system (BIXI) in Montreal* Ahmadreza Faghieh Imani, McGill University; Naveen Eluru, McGill University; Ahmed El-Geneidy, McGill University; Michael Rabbat, McGill University; Usama Haq, McGill University
- *Effects of regional development pattern on commuting distance: An analysis using spatially and temporally autocorrelated seemingly unrelated regression model* Dapeng Zhang, Rensselaer Polytechnic Institute; Xiaokun (Cara) Wang, Rensselaer Polytechnic Institute
- *Multifamily housing and walkable neighborhoods: Assessing economic and social equity impacts* Kenneth Joh, Texas A&M University; Wei Li, Texas A&M University; Chanam Lee, Texas A&M University; Jun-Hyun Kim, Texas A&M University

Discussants:

- Ahmadreza Faghieh Imani, McGill University
- Dapeng Zhang, Rensselaer Polytechnic Institute
- Kenneth Joh, Texas A&M University
- Daniel Fagnant, The University of Texas, Austin

82. Formal Paper Session **GS: Migration II** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Nancy E White, Bucknell University

- *Migration patterns and migrant well-being in Europe* Joerg F.E. Schoder, Salzburg University, Austria
- *Assessing the effects of specialization on Internal Labor Migration: The case of Aguascalientes, México* Maria Galarza-Heras, Universidad Panamericana Campus Bonaterra; Rafael Garduno-Rivera, Centro de Investigacion y Docencia Economicas, A.C. (CIDE)

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- *A spatial computational hybrid model to explore internal migration across metropolitan areas in Mexico* Marcos Valdivia , National University of Mexico; Jose Francisco Perez-de la Torre, UNAM
- *The Impact of Origin Location on the Economic Returns to Migration* Nancy E. White, Bucknell University; Thomas A Knapp, Penn State Wilkes-Barre Campus; Amy Wolaver, Bucknell University

Discussants:

- Nancy E White, Bucknell University
- Marcos Valdivia , National University of Mexico
- Maria Galarza-Heras, Universidad Panamericana Campus Bonaterra
- Joerg F.E. Schoder, Salzburg University, Austria

83. Formal Paper Session **GS: Changing Geography in Economic Development** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Jean-Claude F Thill, Univ. of North Carolina at Charlotte

- *Economic Integration, Location of Industries, and Frontier Regions: Evidence from Cambodia* Ikuo Kuroiwa, Institute of Developing Economies; Kenmei TSUBOTA, Institute of Developing Economies, Japan External Trade Organization
- *Core-Periphery model: does perfect competition matter?* Sergey KICHKO, National Research University Higher School of Economics; Evgeny Zhelobodko, Novosibirsk State University
- *Does proximity increases the resilience of firms in remote areas? An analysis of plant closures in Quebec's Lower St. Lawrence region, 2006-2011* Cedric Brunelle, Memorial University; Jean Dube, Universite du Quebec a Rimouski
- *Factors of the Changing Geography of Manufacturing Production and Employment in China* anjun hu, Renmin University of China; Jean-Claude F. Thill, Univ. of North Carolina at Charlotte

Discussants:

- Sergey KICHKO, National Research University Higher School of Economics
- Ikuo Kuroiwa, Institute of Developing Economies
- anjun hu, Renmin University of China
- Cedric Brunelle, Memorial University

84. Formal Paper Session **GS: Environmental Issues II** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Seong-Hoon Cho, University of Tennessee

- *Modeling Optimal Mode Share Scheme for Reducing Greenhouse Gas (GHG) Emissions from Automobiles and Light-Duty Trucks: The Case of Los Angeles* Joo Il Lee, Seoul Institute; Do kim,; Simon Choi, Southern California Association of Governments
- *Spatial Analysis of County Inventories of On-road Greenhouse Gas Emissions in the Southeast United States* Tun-Hsiang Edward Yu, University of Tennessee; Dayton M. Lambert, Univ. of Tennessee; Joshua S. Fu, University of Tennessee; Jimmy Calcagno, University of Tennessee
- *Influences of urban form on vehicle miles traveled and greenhouse gas emissions at two spatial levels* SUNGWON LEE, University of Illinois, Urbana Champaign; BUMSOO LEE, University of Illinois - Urbana-Champaign
- *Effects of Travel Cost and Participation in Recreational Activities on National Forest Visits* Seong-Hoon Cho, University of Tennessee; J M. Bowker, USDA Forest Service; Donald B K English, USDA Forest Service; Roland K. Roberts, University of Tennessee; Sinjung Youn, University of Tennessee

Discussants:

- Seong-Hoon Cho, University of Tennessee
- Joo Il Lee, Seoul Institute
- Tun-Hsiang Edward Yu, University of Tennessee
- SUNGWON LEE, University of Illinois, Urbana Champaign

85. Formal Paper Session **Location and Spatial Analysis III** Friday Nov 15 | 10:30 AM-12:30 PM

Organizers: Alan T Murray, Arizona State University; Ran Wei, Arizona State University; Tony H Grubestic, Oregon State University

Chair: Ran Wei, Arizona State University

- *Choosing Adjacency Constraints for Anti-Cover: A New Perspective* Matthew R. Niblett, University of California, Santa Barbara; Rick Church, University Of California At Santa Barbara
- *Hub location problems with price-sensitive demands* Morton E. O'Kelly, The Ohio State University; Ricardo S. de Camargo, Federal University of Minas Gerais; Gilberto de Miranda, Federal University of Minas Gerais; Henrique P.F. Luna, Federal University of Alagoas
- *A school bus routing problem enabling stop sharing in urban areas* Ran Li, University of Arizona; Daoqin Tong, University of Arizona

Discussants:

- Alan T Murray, Arizona State University
- Jeffrey Osleeb, University of Connecticut

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- Jean-Claude F Thill, Univ. of North Carolina at Charlotte

86. Formal Paper Session **Regional/Rural Development III** Friday Nov 15 | 10:30 AM-12:30 PM

Organizers: Stephan Weiler, Colorado State University; Peter Schaeffer, West Virginia University

- *Factors Associated with Rural Manufacturers' Resilience: A Hazard Function Analysis* Sarah Low, USDA Economic Research Service
- *The Location Determinants of Indiana's Manufacturing Firms in the Restructured Economy* Joseph Longley, Purdue University; Kevin McNamara, Purdue University
- *Location Decisions of Natural Gas Extraction Establishments: A Smooth Transition Count Model Approach* Jason Brown, Federal Reserve Bank of Kansas City; Dayton M. Lambert, Univ. of Tennessee; Raymond Florax, Purdue University

Discussants:

- Kevin McNamara, Purdue University
- Sarah Low, USDA Economic Research Service
- Joseph Longley, Purdue University

87. Formal Paper Session **GS: Knowledge and Technology Spillovers** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Peter Mulder, VU university Amsterdam

- *Knowledge Production and Spillovers across US counties* Sandy Dall Erba, University of Arizona; Dongwoo Kang, University of Arizona
- *Spatial spillovers and public sector in the context of growth models: an application to Spanish regions* Inmaculada Concepci3n Alvarez, Universidad Aut3noma de Madrid; Javier Barbero, Universidad Autonoma de Madrid
- *Spillover Effect of Foreign R&D in China:Based on Panel Data of 30 Provinces from 1998 to 2008* YING ZHU, ; Feng Zhai,
- *Spatial clustering of high-tech and knowledge intensive firms: The case of Toronto* Antonio Paez, McMaster University; Fernando A. Lopez, Universidad Politecnica de Cartagena; Chandra R. Bhat, The University of Texas at Austin; Subodh Dubey, University of Texas - Austin
- *A Spatial Analysis of Trade-Facilitated Technology Spillovers in Energy Productivity Convergence Processes* Peter Mulder, VU university Amsterdam; Kathy R. Baylis, University of Illinois - Urbana-Champaign

Discussants:

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- YING ZHU
- Peter Mulder, VU university Amsterdam
- Antonio Paez, McMaster University
- Inmaculada Concepci3n Alvarez, Universidad Aut3noma de Madrid
- Sandy Dall Erba, University of Arizona

88. Formal Paper Session **GS: Residential Real Estate II** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Elena Irwin, Ohio State University

- *Residential vacancy in city center: the case of Sao Paulo* Vanessa Nadalin, Institute of Applied Economic Research IPEA
- *Future house price expectations in the recent boom and bust* Michael B. Suher, Brown University
- *The Ability to Build Upwards: Evidence from Matched Land Parcel and Residential Development Project Data in Chinese Cities* Zhi Wang, Fudan University; QINGHUA ZHANG, Peking University
- *Should We Measure Housing Units or Housing Space When Estimating the Elasticity of Housing?* Yishen Liu,
- *The Structural Effects of Zoning in Residential Land Markets* Elena Irwin, Ohio State University; Douglas Wrenn, Ohio State University; David Newburn, University of Maryland - College Park

Discussants:

- Elena Irwin, Ohio State University
- Vanessa Nadalin, Institute of Applied Economic Research IPEA
- Yishen Liu
- Michael B Suher, Brown University
- Zhi Wang, Fudan University

89. Formal Paper Session **In Honor of Professor David E. Boyce -- His 50th NARSC Conference -- His Scholarship and Mentorship** Friday Nov 15 | 10:30 AM-12:30 PM

Organizer: Anna Nagurney, Isenberg School of Management, University of Massachusetts

Chair: Anna Nagurney, Isenberg School of Management, University of Massachusetts

- *Conventional Transportation Planning Models: Review and Prospects for Alternatives* Tschangho John Kim, University Of Illinois

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- *A Corridor-Centric Approach to Planning Electric Vehicle Charging Infrastructure* Marco Nie, Northwestern University
- *David Boyce, RSAI Archivist* Kieran Donaghy, Cornell University
- *Shrinking Global Population -- a Futuristic Scenario or a Current Challenge* Hillel Bar-Gera, Ben-Gurion University of the Negev

90. Formal Paper Session **GS: Urban Economic Theory II** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Yufei Yuan, Wangyanan Institute of Studies in Economics (WISE), Xiamen University, P.R.China

- *Intermediate Input Sharing in the Hospital Service Industry* Jing Li, Singapore Management University
- *Collective Action and Urban Bias: Evidence from Panel Data* Sidney Turner, George Mason University
- *Triumph of Bogota? Recent trends of the capital city* Luis A. Galvis, Banco de la Republica - Colombia
- *What Determines the House Supply in China* Yufei Yuan, Wangyanan Institute of Studies in Economics (WISE), Xiamen University, P.R.China; Yu Ren, Xiamen University; Renshui Wu, Xiamen University

Discussants:

- Yufei Yuan, Wangyanan Institute of Studies in Economics (WISE), Xiamen University, P.R.China
- Jing Li, Singapore Management University
- Sidney Turner, George Mason University
- Luis A. Galvis, Banco de la Republica - Colombia

91. Formal Paper Session **GS: Labor Markets and Productivity** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Uwe Blien, Institut fuer Arbeitsmarkt- und Berufsforschung

- *Regional labor productivity differentials explaining U.S. wage curve patterns* Albert Jan Hummel, University of Groningen; Paul Elhorst, University of Groningen
- *Worker variety and firm performance. Evidence from linked employer-employee data* Carlo Gianelle, European Commission JRC-IPTS; Laura de Dominicis, European Commission JRC-IPTS; Ron Boschma, Utrecht University

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- *Labor Mobility and Skill Variety as a Micro-Foundation of Agglomeration Economies* Bastian Stockinger, Institute for Employment Research; Katja Wolf,
- *Technological progress and regional disparities in (un)employment* Uwe Blien, Institut fuer Arbeitsmarkt- und Berufsforschung; Oliver Ludewig, IAB Institute for Employment Research

Discussants:

- Uwe Blien, Institut fuer Arbeitsmarkt- und Berufsforschung
- Albert Jan Hummel, University of Groningen
- Carlo Gianelle, European Commission JRC-IPTS
- Bastian Stockinger, Institute for Employment Research

92. Formal Paper Session **GS: Spatial Econometric Models** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Gianfranco Piras, West Virginia University

- *Spatial econometric model estimation with large databases: an application of pairwise likelihood methods to the regional variation of health care in the US.* Giuseppe Arbia, Università Cattolica del Sacro Cuore, Rome (Italy); francesca petrarca, university of Rome III; jonathan s. skinner, Dartmouth College
- *Heterogeneity and Dependence in Geo-Referenced Micro Data: Random Effects vs True Contagion* Daniel Arribas-Bel, VU University; Raymond J G M Florax, Purdue University
- *The Formulation and Estimation of a Spatial Lag Generalized Ordered-Response Model with Non- Normal Kernel Distribution and Non-normal Individual Mixing Distribution* Chandra R. Bhat, The University of Texas at Austin; Sebastian Astroza, University of Texas - Austin; Naveen Eluru, McGill University; Rajesh Paleti, University of Texas - Austin
- *Finite sample properties of pre-test estimators of spatial models* Gianfranco Piras, West Virginia University; Ingmar R. Prucha, University of Maryland - College Park

Discussants:

- Gianfranco Piras, West Virginia University
- Giuseppe Arbia, Università Cattolica del Sacro Cuore, Rome (Italy)
- Daniel Arribas-Bel, VU University
- Chandra R Bhat, The University of Texas at Austin

93. Formal Paper Session **GS: Economic Development Input-Output Modeling** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Xuemei Jiang, Chinese Academy of Sciences

- *Economic Impact of Multifunctional Administrative City construction: Interregional Social Accounting Matrix Approach* Woosung Kim, Cornell University
- *Mexico's Southern Border: How Economically Porous Is It?* Gregory Brock, GEORGIA SOUTHERN UNIVERSITY
- *The Impact of the ACA Medicaid Expansion on the South Dakota Economy -- An IMPLAN Analysis* Michael Miller, South Dakota State University; Andrew P. Brower, South Dakota State University
- *Specialization and its changes in Chinese Provinces: Is the international integration still matters?* Xuemei Jiang, Chinese Academy of Sciences

Discussants:

- Xuemei Jiang, Chinese Academy of Sciences
- Woosung Kim, Cornell University
- Gregory Brock, GEORGIA SOUTHERN UNIVERSITY
- Michael Miller, South Dakota State University

94. Formal Paper Session **Regional Development V: Education and Labor**

Markets Friday Nov 15 | 10:30 AM-12:30 PM

Organizers: Elizabeth A Mack, Arizona State University; Alessandra Faggian, The Ohio State University; Rachel S. Franklin, Brown University

Chair: Elizabeth A Mack, Arizona State University

- *International Trade and Local Labor Markets: Are Foreign and Domestic Shocks Created Differently?* Mark D. Partridge, Ohio State University; Dan S. Rickman, Oklahoma State University; M. Rose Olfert, University of Saskatchewan; Ying Tan, Oklahoma State University
- *The Urban-rural Gap in University Attendance: Determinants of University Participation among Canadian Youth* Bruce Newbold, McMaster University; Mark Brown, Statistics Canada
- *A Spatial Analysis of the Impact of School Quality on Recent Migration Patterns in the United States* Anita Yadavalli, ; Brigitte Waldorf, Purdue University; Raymond Florax, Purdue University
- *The Regional Development Impacts of Higher Education in the United States: Complements and Competition.* Joshua M. Drucker, University of Illinois at Chicago

Discussants:

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- Bruce Newbold, McMaster University
- Anita Yadavalli, Purdue University
- Joshua M Drucker, University of Illinois at Chicago
- Mark D Partridge, Ohio State University

95. Formal Paper Session **UEA 16: Agglomeration II** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Takatoshi Tabuchi, University of Tokyo

- *The Fine Microstructure of Knowledge Creation Dynamics* Masahisa Fujita, RIETI
- *Historical Trends of Agglomeration to the Capital Region and New Economic Geography* Takatoshi Tabuchi, University of Tokyo
- *Urbanization with and without Industrialization* Dietrich Vollrath, University of Houston; Douglas Gollin, Oxford University; Remi Jedwab, George Washington University and LSE
- *Measuring Economic Growth from Outer Space: A Comment* Marcus Berliant, Washington University in St. Louis; Adam Weiss, The Urban Institute

Discussants:

- Takatoshi Tabuchi, University of Tokyo
- Masahisa Fujita, RIETI
- Marcus Berliant, Washington University in St. Louis
- Dietrich Vollrath, University of Houston

96. Formal Paper Session **UEA 18: Locational Persistence** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Paul Carrillo, George Washington University

- *War-Time Destruction and the Persistence of Economic Activity* Daniela Glocker, London School of Economics; Daniel Sturm, London School of Economics
- *Zoning, Persistence, and Land Value after the Great San Francisco Fire* Devin Bunten, UCLA; James Siodla, University of California, Irvine
- *The Power of Hydroelectric Dams: Agglomeration Spillovers* Edson Severnini, Carnegie Mellon University
- *Counterfactual Spatial Distributions* Paul Carrillo, George Washington University; Jonathan Rothbaum, The George Washington University

Discussants:

- Devin Bunten, UCLA
- Daniel Sturm, London School of Economics

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- Paul Carrillo, George Washington University
- Edson Severnini, Carnegie Mellon University

97. Formal Paper Session **UEA 17: Boom and Bust in Housing 1** Friday Nov 15 | 10:30 AM-12:30 PM

Chair: Jane Dokko, Federal Reserve Board

- *Housing defaults when house prices are uncertain* Morris Davis, University of Wisconsin-Madison, School; Erwan Quintin, University of Wisconsin at Madison
- *The Start of the Housing Boom, Affordability, and Financial Innovation in Mortgage Products* Jane Dokko, Federal Reserve Board; Benjamin Keys, University of Chicago
- *House-Price Expectations, Non-Traditional Mortgages, and Default* Jan Brueckner, UC Irvine; Paul Calem, Federal Reserve Bank of Philadelphia; Leonard Nakamura, Federal Reserve Bank of Philadelphia

Discussants:

- Jane Dokko, Federal Reserve Board
- Jan Brueckner, UC Irvine
- Morris A. Davis, University of Wisconsin - Madison

12:30 PM-1:30 PM

98. **Lunch** Friday Nov 15 | 12:30 PM-1:30 PM

12:30 PM-2:00 PM

99. Business Meeting **RSAI Council Meeting (Invitation only)** Friday Nov 15 | 12:30 PM-2:00 PM

12:45 PM-1:30 PM

100. Special Session **Alonso Prize Lecture** Friday Nov 15 | 12:45 PM-1:30 PM

- *TBA* Rob Sampson, Harvard University

1:30 PM-3:30 PM

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101. **Transportation VI: Land Value Effects of Transport** Friday Nov 15 | 1:30 PM-3:30 PM

Chair: Paul Waddell, University of California, Berkeley

- *Reliable Accessibility: Does Travel Time Reliability Impact Real Estate Markets?* Paul Waddell, University of California, Berkeley; Fletcher Foti, University of California - Berkeley
- *Assessing Benefits of Walkability to Single Family Property Values: a Hedonic Study in Austin, Texas* Wei Li, Texas A&M University; Kenneth Joh, Texas A&M University; Chanam Lee, Texas A&M University; Jun-Hyun Kim, Texas A&M University; Han Park, Texas A&M University; Ayoung Woo, Texas A&M University
- *Which reduces travel more: proximity to subcenters or access to activities?* Yongsung Lee, Georgia Institute of Technology; Subhrajit Guhathakurta, Georgia Institute of Technology
- *Estimation of Airport Infrastructure Capitalization for Land Value Capture Purposes: An Analysis of Denver and Atlanta* Jeffrey P. Cohen, University of Hartford; Cletus Coughlin, Federal Reserve Bank of St. Louis; David Lopez, Macroeconomic Advisers LLC; John M. Clapp, U of Connecticut

Discussants:

- Yongsung Lee, Georgia Institute of Technology
- Jeffrey P. Cohen, University of Hartford
- Wei Li, Texas A&M University
- Paul Waddell, University of California, Berkeley

102. Formal Paper Session **GS: Rural Economies** Friday Nov 15 | 1:30 PM-3:30 PM

Chair: Brigitte Waldorf, Purdue University

- *Program Evaluation of Agricultural and Rural Policy in Korea* JaeHee Hwang, Seoul National University; SeongWoo Lee, Seoul National University
- *How Market Structure Affects Firm Entry in Rural and Urban Communities: Evidence from Iowa* Georgeanne M. Artz, Iowa State University; Younjun Kim, Iowa State University; Peter F. Orazem, Iowa State University
- *Social Capital and Rural Business Entry and Exit* Bjorn Markeson, University of Wisconsin - Madison
- *Labor Force Participation on Fertility: Rural-Urban Differences in the United States* Brigitte Waldorf, Purdue University; Yunsi Shang, Purdue University

Discussants:

- Brigitte Waldorf, Purdue University
- Bjorn Markeson, University of Wisconsin - Madison
- JaeHee Hwang, Seoul National University
- Younjun Kim, Iowa State University

103. Formal Paper Session **GS: Industry, Location, and Economic Development** Friday
Nov 15 | 1:30 PM-3:30 PM

Chair: Kurt Unger, CIDE

- *Industry Composition and Urban Growth* Andrew Perumal, University of Massachusetts Boston
- *Industrial relocation among Northamerican (USA + MÉXICO) regions* Manuel Damián Lecumberri F., UNAM
- *Geographic Pattern of Establishment Survival: Evidence from the State of Maryland* Yu Qiao, University of Maryland - College Park; Yi Niu, Capital University of Economics and Business; Chengri Ding, University of Maryland College Park
- *Revealed Specializations and Competitive Advantages of the Bajío Region in Mexico* Kurt Unger, CIDE; Jose E. Ibarra, CIDE; Rafael Garduno-Rivera, Centro de Investigacion y Docencia Economicas, A.C. (CIDE)

Discussants:

- Kurt Unger, CIDE
- Andrew Perumal, University of Massachusetts Boston
- Manuel Damián Lecumberri F., UNAM
- Yu Qiao, University of Maryland - College Park

104. Formal Paper Session **GS: Environmental Issues III** Friday Nov 15 | 1:30 PM-3:30 PM

Chair: Sophie Legras, INRA

- *Hedonic Valuation Using Multilevel Analysis: Air Quality and Violence in Mexico* Hector M. Nuñez, CIDE; Dusan JC Paredes, Universidad Catolica del Norte; Rafael Garduno-Rivera, Centro de Investigacion y Docencia Economicas, A.C. (CIDE)
- *Economic Value of Sustainable Brownfield Redevelopment. Evidence from Bronx, NY.* Olesya Savchenko, University of Illinois Urbana Champaign; John B. Braden, University of Illinois Urbana Champaign

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- *Individual Pro-environmental Behaviour in the Household Context* Simonetta Longhi, University of Essex
- *Local public good provision and the environmental performance of the city* Sophie Legras, INRA

Discussants:

- Sophie Legras, INRA
- Hector M Nuñez, CIDE
- Olesya Savchenko, University of Illinois Urbana Champaign
- Simonetta Longhi, University of Essex

105. Formal Paper Session **Location and Spatial Analysis IV** Friday Nov 15 | 1:30 PM-3:30 PM

Organizers: Alan T Murray, Arizona State University; Ran Wei, Arizona State University; Tony H Grubestic, Oregon State University

Chair: Rick Church, University Of California At Santa Barbara

- *Location Optimization for Detecting p Functional Spatial Clusters* Kamyoun Kim, Kyungpook National University; Hyun Kim, University of Tennessee; Yongwan Chun, University of Texas - Dallas
- *Evaluating the Spatial Precision of Cluster Detection Approaches* Tony H. Grubestic, Oregon State University; Alan T. Murray, Arizona State University; Ran Wei, Arizona State University
- *Examining Spatial-clustering and Economic Growth in Kentucky- Evidence from Census Block Group Level Analysis* Buddhi Raj Gyawali, Kentucky State University; Albert Mensah, Kentucky State University; Ken Bates, Kentucky State University; Swagata "Ban" Banerjee, University of Wisconsin-Plattville; Neelam Poudyal, University of Georgia

Discussants:

- Tony H Grubestic, Oregon State University
- Eric Delmelle, University of North Carolina (Charlotte)
- Kamyoun Kim, Kyungpook National University

106. Formal Paper Session **Regional/Rural Development IV** Friday Nov 15 | 1:30 PM-3:30 PM

Organizers: Stephan Weiler, Colorado State University; Peter Schaeffer, West Virginia University

- *Local Lending and Entrepreneurship by Gender* Tessa Conroy, Colorado State University

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- *Do Community Reinvestment Act (CRA) Loans Have Effects on Small Business Dynamics?* Anil Rupasingha, Federal Reserve Bank of Atlanta
- *Home Mortgages for Muslims: The New Blacks and Hispanics?* Hannes Johannsson, Office of the Comptroller of the Currency; Jason Dietrich, Consumer Finance Protection Bureau

Discussants:

- Anil Rupasingha, Federal Reserve Bank of Atlanta
- Tessa Conroy, Colorado State University
- Peter Schaeffer, West Virginia University

107. Formal Paper Session **GS: Innovation** Friday Nov 15 | 1:30 PM-3:30 PM

Chair: Amit Batabyal, Rochester Institute Of Technology

- *Research on Modeling of Core Competencies and Avenues of Innovation to Obtain Competitive Advantages for High-tech Cluster Enterprises* Xichuan Huang, Nanjing University of Science and Technology; Qiulian Zhou, Nanjing University of Science and Technology
- *Multinational Enterprises and the Innovative Performance of Local Firms in Britain* Riccardo Crescenzi, London School of Economics; Simona Iammarino, London School of Economics; Luisa Gagliardi, London School of Economics
- *Are there limits to open innovation? Exploring the effects interaction breadth and intensity on innovation* Declan Jordan, University College Cork; Shengnan Zhang, University College Cork
- *Does EU Framework Program participation contribute to regional development? A time-space analysis of FP network quality and patenting productivity in EU Objective 1 regions* Attila Varga, University of Pécs; Tamás Sebestyén, University of Pécs
- *Positive and Negative Externalities in Innovation, Trade, and Regional Economic Growth* Amit Batabyal, Rochester Institute Of Technology; Peter Nijkamp, VU University

Discussants:

- Amit Batabyal, Rochester Institute Of Technology
- Xichuan Huang, Nanjing University of Science and Technology
- Riccardo Crescenzi, London School of Economics
- Declan Jordan, University College Cork
- Attila Varga, University of Pécs

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108. Formal Paper Session **GS: Residential Real Estate III** Friday Nov 15 | 1:30 PM-3:30 PM

Chair: Andrew Haughwout, Federal Reserve Bank Of New York

- *Aging and Renewal to Old Urban Industrial Residential Area: A Case of the Qingshan Red House in Wuhan City, China* Yang Wang, Wuhan University
- *Foreclosures and spillovers: externality or supply effect?* Arno van der Vlist, University of Groningen; G T. Turnbull,
- *A three-step model for estimating the Demand of Housing Attributes in Chile: Insights of price and income elasticities in a Developing Economy* ESTEBAN LOPEZ, University of Illinois
- *What is the impact of the longer foreclosure process on nearby property values? Evidence from the city of Chicago* Xian Fang,
- *Negative Equity and Housing Investment* Andrew Haughwout, Federal Reserve Bank Of New York; Sarah Sutherland, Federal Reserve Bank of New York; Joseph Tracy, Federal Reserve Bank of NY

Discussants:

- Andrew Haughwout, Federal Reserve Bank Of New York
- Yang Wang, Wuhan University
- Arno van der Vlist, University of Groningen
- ESTEBAN LOPEZ, University of Illinois
- Xian Fang

109. Formal Paper Session **GS: GIS Methods** Friday Nov 15 | 1:30 PM-3:30 PM

Chair: PATRICIO AROCA, UNIVERSIDAD ADOLFO IBÁÑEZ

- *Exploring covering location models in a three-dimensional space* Gunhak Lee, Seoul National University
- *Improving spatial crime models via remote sensing* Juan C. Duque, RiSE-group. EAFIT University; Jorge E. Patino, EAFIT University
- *Geodemographics and its place in the history of planning methods: a British perspective* Peter Batey, University of Liverpool
- *Zipf's Law and Urban Dynamic in China: 1960-2010* Xinyue Ye, Kent State University
- *Geo-referencing and Integrating Survey and Census Data* PATRICIO AROCA, UNIVERSIDAD ADOLFO IBÁÑEZ; MONICA NAVARRETE, Universidad de Tarapaca

Discussants:

- PATRICIO AROCA, UNIVERSIDAD ADOLFO IBÁÑEZ
- Gunhak Lee, Seoul National University
- Juan C. Duque, RiSE-group. EAFIT University
- Peter Batey, University of Liverpool
- Xinyue Ye, Kent State University

110. Formal Paper Session **GS: Local Public Finance and Economic Development** Friday
Nov 15 | 1:30 PM-3:30 PM

Chair: Shaoming Cheng, Florida International University

- *Municipal Secession and Economic Growth in Brazil: a spatial panel approach* Lucas F. Mation, Instituto de Pesquisa Econômica Aplicada; Leonardo Monasterio, Instituto de Pesquisa Econômica Aplicada; Rogerio B. Miranda, Instituto de Pesquisa Econômica Aplicada
- *Taxing Hard-to-Tax Markets with Consumer Auditing* Laudo Ogura, Grand Valley State University; Marcelo A. Arbex, University of Windsor; Enlison Mattos, Getúlio Vargas Foundation
- *Local Taxes for Local Development in Latin America* Jaime Alfredo Bonet, Banco de la Republica; Rafael de la Cruz, Inter-American Development Bank; Vicente Fretes, Inter-American Development Bank
- *The Effect of Property Taxes on New Business Establishments: Evidence from Florida Counties* Shaoming Cheng, Florida International University; Hai (David) Guo, Florida International University

Discussants:

- Shaoming Cheng, Florida International University
- Lucas F Mation, Instituto de Pesquisa Econômica Aplicada
- Laudo Ogura, Grand Valley State University
- Jaime Alfredo Bonet, Banco de la Republica

111. Formal Paper Session **GS: Human Capital and Economic Development** Friday Nov
15 | 1:30 PM-3:30 PM

Chair: Kathrine E. Richardson, San Jose State University

- *Regional price differences and the agglomeration wage differential in a long-run perspective* Uwe Blien, Institut fuer Arbeitsmarkt- und Berufsforschung; Hermann Gartner, IAB Institute for Employment Research; Heiko Stueber, IAB

Institute for Employment Research; Katja Wolf,; Phan thi Hong Van, IAB Institute for Employment Research

- *Spatial Income Inequality in Chile and the Rol of Spatial Labor Sorting* Susana Katherine Chacon Espejo, Universidad Catolica del Norte; Dusan JC Paredes, Universidad Catolica del Norte
- *Measuring Trends in Entrepreneurship with the BLS Business Employment Dynamics* Carol Leming, Bureau of Labor Statistics
- *The Luring and Retaining of the Foreign Highly Skilled in Times of Global Crisis: A Case Study of Vancouver, British Columbia's Biotechnology Sector* Kathrine E. Richardson, San Jose State University

Discussants:

- Kathrine E. Richardson, San Jose State University
- Uwe Blien, Institut fuer Arbeitsmarkt- und Berufsforschung
- Susana Katherine Chacon Espejo, Universidad Catolica del Norte
- Carol Leming, Bureau of Labor Statistics

112. Formal Paper Session **GS: Poverty and Policy** Friday Nov 15 | 1:30 PM-3:30 PM

Chair: Sylvie Charlot, INRA

- *Does Assisted Housing have Significant Ramifications for Neighborhood Stability?* Ayoung Woo, Texas A&M University
- *Scaling Laws in Slums: An Evidence from Indian Cities* Amit Patel, George Mason University; Phoram Shah, World Bank
- *Deconcentrating the poor via public housing policy: Tenant-based versus Place-based Approaches* Hanbum Lee, University of Illinois - Urbana-Champaign; Paul E. McNamara, University of Illinois - Urbana-Champaign
- *Income in French empowerment zones : a panel data approach* Sylvie Charlot, INRA; Claire Dujardin, Université catholique de Louvain; Florence Goffette-Nagot, University of Lyon

Discussants:

- Sylvie Charlot, INRA
- Ayoung Woo, Texas A&M University
- Amit Patel, George Mason University
- Hanbum Lee, University of Illinois - Urbana-Champaign

113. Formal Paper Session **GS: Manufacturing Agglomeration Economies** Friday Nov 15 | 1:30 PM-3:30 PM

Chair: Michael Moritz, Institute for Employment Research (IAB)

- *Changes in the Location Patterns of Canadian Manufacturing Industries* Theophile Bougna, ESG-UQAM; Kristian Behrens, UQAM
- *Intra-industries or Inter-industries: Where the Agglomeration Economies are from?* anjun hu, Renmin University of China; Jean-Claude F. Thill, Univ. of North Carolina at Charlotte
- *A Meta-analysis of the Effect of Agglomeration Economies and other Location Factors on Industrial Location Choice* Ayoung Kim, Purdue University; Raymond J G M Florax, Purdue University; Euijune Kim, Seoul National University
- *Regional Determinants of German FDI in the Czech Republic - Evidence from a Gravity Model Approach* Michael Moritz, Institute for Employment Research (IAB); Veronika Hecht, Institute for Employment Research (IAB); Johannes Schaeffler, Institute of Employment Research (IAB)

Discussants:

- Michael Moritz, Institute for Employment Research (IAB)
- Theophile Bougna, ESG-UQAM
- anjun hu, Renmin University of China
- Ayoung Kim, Purdue University

114. Formal Paper Session **Regional Development VI: Regional Dynamics** Friday Nov 15
| 1:30 PM-3:30 PM

Organizers: Elizabeth A Mack, Arizona State University; Alessandra Faggian, The Ohio State University; Rachel S. Franklin, Brown University

Chair: Breandan O hUallachain , Arizona State University

- *Discrete regional distribution dynamics revisited* Sergio Rey, Arizona State University
- *Provincial Convergence and Divergence in Canada: 1926 to 2011* Mark Brown, Statistics Canada; Ryan Macdonald, Statistics Canada
- *Regional growth in a period of economic crisis: Which scenarios for the European regions?* Roberta Capello, Politecnico di Milano; Andrea Caragliu, Politecnico di Milano; Ugo Fratesi, Politecnico di Milano
- *Ethnic segregation, spatial structure and neighborhood relocation dynamics: a modified gravity approach to study local origin-destination linkages.* Jessie Bakens, VU University Amsterdam; Peter Mulder, VU university Amsterdam

Discussants:

- Mark Brown, Statistics Canada

- Roberta Capello, Politecnico di Milano
- Jessie Bakens, VU University Amsterdam
- Sergio Rey, Arizona State University

115. Formal Paper Session **UEA 19: City Structure 1** Friday Nov 15 | 1:30 PM-3:30 PM

Chair: Tatsuhito Kono, Tohoku University

- *Social interactions, social capital, space and urban structure* Pierre Picard, Universite de Luxembourg
- *Optimal spatial structure of property tax in congested and non-congested monocentric cities* Tatsuhito Kono, Tohoku University; David Pines, Eitan Berglas School of Economics
- *Second-best urban tolls under building height regulations.* Ioannis Tikoudis, VU Amsterdam; Jos Van Ommeren, VU University Amsterdam; Erik T. Verhoef, VU University Amsterdam
- *The Evolution of Municipal Structure* Yong Chen, Oregon State university; JunJie Wu, Oregon State University

Discussants:

- Tatsuhito Kono, Tohoku University
- Ioannis Tikoudis, VU Amsterdam
- Yong Chen, Oregon State university
- Pierre Picard, Universite de Luxembourg

116. Formal Paper Session **UEA 20: LDC Urbanization** Friday Nov 15 | 1:30 PM-3:30 PM

Chair: Harris Selod, The World Bank

- *Urbanization in Africa: Climate change* J. Vernon Henderson, Brown University; Adam Storeygard, Tufts University
- *City Structure and Informal Property Rights in West Africa: Theory and Empirical Evidence* Harris Selod, The World Bank; Lara Tobin, Paris School of Economics
- *The Speed of Urbanization and Economic Development: A Comparison of Industrial Europe and Contemporary Africa* Remi Jedwab, George Washington University and LSE
- *Disentangling the Causes of Informal Housing* Daniel Da Mata, University of Cambridge

Discussants:

- Daniel Da Mata, University of Cambridge

- Remi Jedwab, George Washington University and LSE
- Harris Selod, The World Bank
- J. Vernon Henderson, Brown University

117. Formal Paper Session **UEA 21: Local Taxation** Friday Nov 15 | 1:30 PM-3:30 PM

Chair: Shawn Rohlin, Kent State University

- *Behavioral Responses to Local Tax Rates: Quasi-Experimental Evidence from a Foreigners' Tax Scheme in Switzerland* Kurt Schmidheiny, Universität Basel; Michaela Slotwinski, Universität Basel; Frank Somogyi, Deutsche Bundesbank
- *The Effects of Location-based Tax Policies on the Distribution of Household Income: Evidence from the Federal Empowerment Zone Program* Shawn Rohlin, Kent State University; Curtis Reynolds, Kent State University
- *Firm Productivity, Agglomeration, and China's Fiscal Reform* Wen-Chi Liao, National University of Singapore; Yongheng Deng, National University of Singapore; Pei Li, National University of Singapore

Discussants:

- Shawn Rohlin, Kent State University
- Wen-Chi Liao, National University of Singapore
- Kurt Schmidheiny, Universität Basel

4:00 PM-6:00 PM

118. **Transportation VII: Transit Operations, Policies, & Ridership Levels** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: Dapeng Zhang, Rensselaer Polytechnic Institute

- *Urban Rail Investment and Transit-Oriented Development in China's Megacities* Jiawen Yang, Peking University; Steven Quan, Georgia Institute of Technology
- *Transit Ridership Estimation with Network Kriging* Dapeng Zhang, Rensselaer Polytechnic Institute; Xiaokun (Cara) Wang, Rensselaer Polytechnic Institute
- *Effect of Bus Sizes on Reliability in a Simulated Transit Operation* Md. Kamrul ISLAM, University of New South Wales; Upali Vandebona, University of New South Wales
- *unfairness of high speed trains* dominique Andre bouf, CNRS

Discussants:

- dominique Andre bouf, CNRS

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- Jiawen Yang, Peking University
- Dapeng Zhang, Rensselaer Polytechnic Institute
- Md. Kamrul ISLAM, University of New South Wales

119. Formal Paper Session **GS: Urban Systems** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: xiuli liu, Academy of Mathematics and Systems Science, Chinese Academy of Sciences

- *Urban Growth and Urban System formation: A modified NEG model with a center and endogenous subcenter formation* Fa-Hsiang Chang, SUNY Buffalo
- *Regional labour productivity in agglomeration economies: An assessment for German regions* Stephan Brunow, Institute for Employment Research; Uwe Blien, Institut fuer Arbeitsmarkt- und Berufsforschung
- *The Colombian urban system* Alex S. Araque, Universidad Sergio Arboleda
- *Economic Structure and Structural Changes of Chicago Economy during 1995-2010: Hierarchical Feedback Loop Input-Output Analysis* xiuli liu, Academy of Mathematics and Systems Science, Chinese Academy of Sciences; Geoffrey JD Hewings, University of Illinois - Urbana-Champaign

Discussants:

- xiuli liu, Academy of Mathematics and Systems Science, Chinese Academy of Sciences
- Fa-Hsiang Chang, SUNY Buffalo
- Stephan Brunow, Institute for Employment Research
- Alex S Araque, Universidad Sergio Arboleda

120. Formal Paper Session **GS: Productivity and Regional Economies** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: Todd Gabe, University Of Maine

- *Selection and Agglomeration Impact on Firm's Productivity- A study of Taiwan's Manufacturing Sector* Syed M. Hasan, Ohio State University; H. Allen Klaiber, Ohio State University; Ian M. Sheldon, Ohio State University
- *Agglomeration and Job Matching Among College Graduates* Jaison R. Abel, Federal Reserve Bank of New York; Richard Deitz, Federal Reserve Bank of New York
- *Is State PCPI Diverging?* John Connaughton, UNC - Charlotte; Caroline Swartz, University of North Carolina - Charlotte

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- *Productivity, Firm Exit and Industrial Dynamics in China* Canfei He, Peking University; Rudai Yang, Peking University
- *Effects of the Knowledge Economy on U.S. Regional Productivity* Todd Gabe, University Of Maine

Discussants:

- Todd Gabe, University Of Maine
- Syed M Hasan, Ohio State University
- Jaison R. Abel, Federal Reserve Bank of New York
- John Connaughton, UNC - Charlotte
- Canfei He, Peking University

121. Formal Paper Session **GS: Environmental Issues IV** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: Christine Bae

- *Influence of Information and Characteristic on Individual Carbon Footprint in Korea* Tongjoo SUH, Seoul National University; Brian H.S. Kim, Seoul National University
- *Impacts of 2- and 3- D Urban Surface Characteristics on Daytime and Nighttime UHIs* Bumseok Chun, Georgia Institute of Technology; Subhrajit Guhathakurta, Georgia Institute of Technology
- *Supplementing stationary air pollution monitoring networks: Optimal locational choice of mobile monitors based on long-term historic data for multiple pollutants* Matthew D. Adams, McMaster University; Pavlos Kanaroglou, McMaster University
- *Quest for Clean Air: Bicyclist Exposure to Air Pollution in Seattle and Seoul* Christine Bae,

Discussants:

- Christine Bae
- Tongjoo SUH, Seoul National University
- Bumseok Chun, Georgia Institute of Technology
- Matthew D Adams, McMaster University

122. Formal Paper Session **Location and Spatial Analysis V** Friday Nov 15 | 4:00 PM-6:00 PM

Organizers: Alan T Murray, Arizona State University; Ran Wei, Arizona State University; Tony H Grubestic, Oregon State University

Chair: Morton E. O'Kelly, The Ohio State University

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- *Grid-Based Land-use Composition and Configuration Optimization for Watershed Stormwater Management* ge zhang, georgia institute of technology; Subhrajit Guhathakurta, Georgia Institute of Technology; susannah Lee, Georgia Institute of Technology; Amy Moore, Georgia Institute of Technology; Lijiao Yan, Zhejiang University
- *A multi-period capacitated and budget constrained school location problem with modular equipment, minimal closing age and closest assignment considerations* Eric Delmelle, University of North Carolina (Charlotte); Jean-Claude F. Thill, Univ. of North Carolina at Charlotte; Isabelle Thomas, Université catholique de Louvain; Dominique Peeters, Université catholique de Louvain
- *Ad-hoc hub Location problem for air transportation networks* Hyun Kim, University of Tennessee

Discussants:

- Stephanie A Snyder, USDA Forest Service
- Rick Church, University Of California At Santa Barbara
- Morton E. O'Kelly, The Ohio State University

123. Formal Paper Session **Regional/Rural Development V** Friday Nov 15 | 4:00 PM-6:00 PM

Organizers: Stephan Weiler, Colorado State University; Peter Schaeffer, West Virginia University

- *Changes in Rural Life-Cycle (Net) Migration between the 1990s and 2000s* David McGranahan, USDA Economic Research Service
- *Factors Affecting Productivity in Local Labor Markets in Atlantic Canada* David Freshwater, University of Kentucky; Alvin Simms, Memorial University
- *Mortgage Product "Choice": A True Choice or a "Guided Advice"?* Marilyn Jacob, Office of the Comptroller of the Currency; Hannes Johannsson, Office of the Comptroller of the Currency; Jason Dietrich, Consumer Finance Protection Bureau

Discussants:

- David Freshwater, University of Kentucky
- Marilyn Jacob, Office of the Comptroller of the Currency
- David McGranahan, USDA Economic Research Service

124. Formal Paper Session **GS: Innovation and Regions** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: PATRICIO AROCA, UNIVERSIDAD ADOLFO IBÁÑEZ

- *Chinese Innovation and Firm Performance: A Structural-Institutional Approach with Technological Learning Spillovers* Anthony James Howell, UCLA; Canfei He, Peking University
- *Patents and Temporal Effects with Count Panel Data: an analysis for the Mexican States* Vicente Germán-Soto, Universidad Autónoma de Coahuila; Luis Gutierrez Flores, Universidad Autonoma de Coahuila
- *Smart Specialization Strategies and Smart Cities: An evidence-based assessment of EU policies* Andrea Caragliu, Politecnico di Milano; Chiara Del Bo, Università degli Studi di Milano
- *Innovation, Decentralization, and Planning in a Multi-Region Model of Schumpeterian Economic Growth* Amit Batabyal, Rochester Institute Of Technology; Peter Nijkamp, VU University
- *Innovation in a Chilean Mining Region* PATRICIO AROCA, UNIVERSIDAD ADOLFO IBÁÑEZ; Roger Stough, George Mason University

Discussants:

- PATRICIO AROCA, UNIVERSIDAD ADOLFO IBÁÑEZ
- Anthony James Howell, UCLA
- Vicente Germán-Soto, Universidad Autónoma de Coahuila
- Andrea Caragliu, Politecnico di Milano
- Amit Batabyal, Rochester Institute Of Technology

125. Formal Paper Session **GS: Residential Real Estate IV** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: Tracy M. Turner, Kansas State University

- *Rent Control and Local Skill Composition* Mark A.C. Kattenberg, Utrecht University
- *Public Choice or Government Effect: How do Public Services Capitalize into Housing Price in Shanghai* Huiping Li, Shanghai U. of Finance and Economics (SHUFE); Qingfang Wang, The University of North Carolina at Charlotte
- *Is the reduced registration tax rate capitalized into the Flemish housing prices?* CARINE SMOLDERS, GHENT UNIVERSITY/GHENT UNIVERSITY COLLEGE
- *HCV Voucher distribution in the San Francisco Bay Area Region, 2000 - 2010* Monica Amaral Haddad, Iowa State University; Jane Rongerude, Iowa State University
- *Are Rising College Premiums Capitalized into House Prices in China* Tracy M. Turner, Kansas State University; Lei Lei Shen, Kansas State University

Discussants:

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- Tracy M. Turner, Kansas State University
- Mark A.C. Kattenberg, Utrecht University
- Huiping Li, Shanghai U. of Finance and Economics (SHUFE)
- CARINE SMOLDERS, GHENT UNIVERSITY/GHENT UNIVERSITY COLLEGE
- Monica Amaral Haddad, Iowa State University

126. Formal Paper Session **Journal of Regional Science Special Session** Friday Nov 15 | 4:00 PM-6:00 PM

Organizers: Mark D Partridge, Ohio State University; Marlon Boarnet, USC; Steven Brakman, University of Groningen; Gianmarco Ottaviano, London School of Economics
Chairs: Mark D Partridge, Ohio State University; Steven Brakman, University of Groningen

- *Growth in Cities Revisited* Gilles Duranton, The Wharton School
- *Monopolistic vs Spatial Competition: Hotelling and Chamberlin Reconciled* Jacques-François Thisse, CORE CREA HSE

Discussants:

- Amanda Ross, West Virginia University
- Donald Davis, Columbia University

127. Formal Paper Session **UEA 25: Urban Amenities** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: Stephen Sheppard, Williams College

- *Natural Amenities, Neighborhood Dynamics, and Persistence Within Cities* Sanghoon Lee, University of British Columbia; Jeffrey Lin, Federal Reserve Bank of Philadelphia
- *Urbanity* Gabriel Ahlfeldt, London School of Economics
- *Cultural agglomeration and its implications* Stephen Sheppard, Williams College
- *Urban Density and the Substitution of Market Purchases for Home Production* Daniel Murphy, University of Michigan

Discussants:

- Daniel Murphy, University of Michigan
- Stephen Sheppard, Williams College
- Gabriel Ahlfeldt, London School of Economics
- Sanghoon Lee, University of British Columbia

128. Formal Paper Session **GS: Urban Economics and Transportation Systems** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: Martijn Droes, VU University Amsterdam

- *Intercity Competition and the Urban Transport System* Santiago Pinto, Federal Reserve Bank of Richmond
- *Quantifying potential value capture of large transport project: a case study on Paris urban area and Grand Paris Express project* Vincent Viguie, CIREA; Nicolas E. Coulombel, Université Paris Est
- *Does Atlanta value MARTA? Selecting an autoregressive model to recover willingness to pay* Gregory McFarlane,
- *Urbanization or Suburbanization? The Role of Railway Travel in a Polycentric Urban Land Use Model* Martijn Droes, VU University Amsterdam

Discussants:

- Martijn Droes, VU University Amsterdam
- Santiago Pinto, Federal Reserve Bank of Richmond
- Vincent Viguie, CIREA
- Gregory McFarlane

129. Formal Paper Session **GS: Public Goods** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: Artur Ochojski, University of Economics in Katowice

- *Firms location and local public goods* Remy Oddou, University Paris West
- *What if China Legalizes Commercial Gambling? A Macao Perspective* Li Sheng, Macao Polytechnic Institute
- *Using amenities to compete for highly skilled workers* Michiel Gerritse, University of Groningen
- *Efficient local public good provision. The challenges for analysis, management and policy in Central European regions.* Artur Ochojski, University of Economics in Katowice; Marcin Baron, University of Economics in Katowice; Adam Polko, University of Economics in Katowice

Discussants:

- Artur Ochojski, University of Economics in Katowice
- Remy Oddou, University Paris West
- Li Sheng, Macao Polytechnic Institute
- Michiel Gerritse, University of Groningen

130. Formal Paper Session **GS: Urban Structural Dynamics II** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: John R Miron, University of Toronto

- *Von Thunen's Rents: A Counter Argument* Larry A. Bissett, Systems Research Group
- *Growth and Spatial Agglomeration in an Overlapping Generation Economy* Shota Fujishima, University of Tokyo; Daisuke Oyama, University of Tokyo
- *Search, matching, and self-organization of a marketplace* Ke Ding, Institute of Developing Economies; Toshitaka Gokan, Institute of Developing Economies JETRO; Xiwei Zhu, Zhejiang University
- *Export-based models of an urban economy with multiple industries* John R. Miron, University of Toronto

Discussants:

- John R Miron, University of Toronto
- Larry A Bissett, Systems Research Group
- Shota Fujishima, University of Tokyo
- Toshitaka Gokan, Institute of Developing Economies JETRO

131. Formal Paper Session **Regional Development VII: Human Capital** Friday Nov 15 | 4:00 PM-6:00 PM

Organizers: Elizabeth A Mack, Arizona State University; Alessandra Faggian, The Ohio State University; Rachel S. Franklin, Brown University

Chair: William B. Beyers, University Of Washington

- *The Centrifugal Force of Decline: Shrinking Cities and the Migration of the College Educated* Rachel S. Franklin, Brown University
- *Can mobility grants improve the quality of skills matching in lagging regions?* Riccardo Crescenzi, London School of Economics; Luisa Gagliardi, London School of Economics; Enrico orru, London School of Economics
- *Interregional migration and territorial identity* Alessandra Faggian, The Ohio State University; Bianca Biagi, University of Sassari-Italy; Marco Percoco, Bocconi University
- *The early careers of self-employed students* Viktor A. Venhorst, University of Groningen; sierdjan koster, University of Groningen

Discussants:

- Riccardo Crescenzi, London School of Economics
- Alessandra Faggian, The Ohio State University
- Viktor A. Venhorst, University of Groningen

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- Rachel S. Franklin, Brown University

132. Formal Paper Session **UEA 23: Education 2** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: Maria Ferreyra, Carnegie Mellon University

- *Do Charter Schools Ruin Local Public Schools in Poor Neighborhoods? The Impact of Charter Schools on NYC Public School Resources* Sarah Cordes, New York University
- *Charter School Entry and School Choice: The Case of Washington, D.C.* Maria Ferreyra, Carnegie Mellon University; Grigory Kosenok, New Economic School, Moscow
- *Endogenous Private School Location, School Quality and House Prices* Elizabeth Fisher, University of Georgia; Carolyn Dehring, University of Georgia
- *The Internet, Falling Information and Communication Costs, and Educational Attainment* Felix Weinhardt, LSE; Benjamin Faber, London School of Economics and Political Science; Rosa Sanchis-Guarner, SERC, LSE

Discussants:

- Maria Ferreyra, Carnegie Mellon University
- Elizabeth Fisher, University of Georgia
- Felix Weinhardt, LSE
- Sarah Cordes, New York University

133. Formal Paper Session **UEA 24: Housing 2** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: Ingrid Ellen, New York University

- *Local Economic Conditions and the Nature of New Housing Supply* Christian Hilber, London School of Economics; Jan Rouwendal, VU University; Wouter Vermeulen, CPB
- *Using Data on Seller Behavior to Forecast Short-run House Price Changes* Elliot Anenberg, Federal Reserve Board
- *Preserving History or Hindering Progress: The Effect of Historic Districts on Local Housing Markets in New York City* Ingrid Ellen, New York University; Vicki Been, New York University; Michael Gedal, New York University; Edward Glaeser, Harvard
- *Tax Incentives and Housing Investment in Low-Income Neighborhoods* Matthew Freedman, Cornell University

Discussants:

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- Elliot Anenberg, Federal Reserve Board
- Ingrid Ellen, New York University
- Matthew Freedman, Cornell University
- Christian Hilber, London School of Economics

134. Formal Paper Session **UEA 22: Effects of Natural Disasters** Friday Nov 15 | 4:00 PM-6:00 PM

Chair: Mark Kutzbach, US Census Bureau

- *Natural disasters and urban development: insurance policy and development restrictions* Arnaud Goussebaile, Ecole Polytechnique
- *Storms and Jobs: The Effect of Hurricanes on Individuals' Employment and Earnings over the Long Term* Mark Kutzbach, US Census Bureau
- *Program Evaluation When Externalities Exist and a Control Group Does Not: The Case of Post-Katrina Rebuilding Grants* Chao Fu, University of Wisconsin - Madison; Jesse Gregory, University of Wisconsin

Discussants:

- Mark Kutzbach, US Census Bureau
- Jesse Gregory, University of Wisconsin
- Arnaud Goussebaile, Ecole Polytechnique

6:15 PM-8:30 PM

135. Formal Paper Session **Isserman Lecture and Reception** Friday Nov 15 | 6:15 PM-8:30 PM

Organizer: Luc Anselin, Arizona State University

Chair: Luc Anselin, Arizona State University

- *Deconstructing the Age Dimension of 'The Great Inversion'* David A. Plane, University of Arizona

Saturday, 16 November 2013

7:30 AM-10:00 AM

136. **Registration** Saturday Nov 16 | 7:30 AM-10:00 AM

8:00 AM-10:00 AM

137. **Poster Session 1** Saturday Nov 16 | 8:00 AM-10:00 AM

- *Barriers to Bicycling Among University Students* Ajay Agarwal, Queen's University
- *Estimating Social Indicators to Measure Sustainability in Nova Scotia Using Time Use Data* Stephen Stone, Dalhousie University; Muhammad Ahsanul Habib, Dalhousie University
- *Examining the influence of urban form and land use on bus ridership* Vincent Chakour, McGill University; Naveen Eluru, McGill University
- *Travel Behaviour of Dalhousie University Commuters: A Descriptive and Comparative Analysis of Commuter Patterns from 2009 to 2012* Stephanie Salloum, Dalhousie University; Muhammad Ahsanul Habib, Dalhousie University
- *Measuring Regional Economic Growth from Outer Space: Is there a robust relation between nighttime-light intensity and GDP?* Frank Bickenbach, Kiel Institute for the World Economy; Eckhardt Bode, Kiel Institute for the World Economy; Mareike Lange, Kiel Institute for the World Economy
- *Regional disparities in Broadband speed and cost in Missouri* SHRINIWAS GAUTAM, University of Missouri-Columbia; Timothy L. Timothy Haithcoat, University of Missouri - Columbia
- *Temporal Stability of Household's Valuation of Amenities* Kevin Russell Krivacsy, University of Tennessee
- *Developing a framework for comprehensive Regional Development Planning in India -- A case of coastal communities phasing development dichotomy* Jay Mittal, Auburn University; SWETA BYAHUT, AUBURN UNIVERSITY

138. Formal Paper Session **GS: Employment of Infrastructure** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: Kiyoshi Kobayashi, Kyoto University

- *How much does bicycle infrastructure affect observed bicycle demand: Evidence from Montreal BIXI system* Ahmadreza Faghih Imani, McGill University; Naveen Eluru, McGill University
- *Modeling Spatial Competition under Sufficient Heterogeneity for Routing choice in Wine Industry* Mona Kashiha, UNC Charlotte; Jean-Claude F. Thill, Univ. of North Carolina at Charlotte; Craig Depken, II, University of North Carolina - Charlotte

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- *Long distance commuting and job quality in Chile* Monica Sofia Gomez, Universidad Catolica del Norte; Luis A. Galvis, Banco de la Republica - Colombia; Patricio Aroca, Universidad Catolica del Norte
- *Dynamic Infrastructure Investment Strategies and Life-Extension Benefits* Kiyoshi Kobayashi, Kyoto University; Shunsuke Segi, Kyoto University

Discussants:

- Kiyoshi Kobayashi, Kyoto University
- Ahmadreza Faghieh Imani, McGill University
- Mona Kashiha, UNC Charlotte
- Monica Sofia Gomez, Universidad Catolica del Norte

139. Formal Paper Session **GS: Health** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: Irene Casas, Louisiana Tech University

- *Geographical Accessibility and Equity in Health Provision: A Case Study for Barranquilla - Colombia* Javier Perez, Banco de la Republica (The Central Bank of Colombia)
- *The effects of suburbanization on obesity: New estimates using county level data.* Maryam Naghsh Nejad, IZA - Institute for the Study of Labor; Amanda Ross, West Virginia University
- *Will Climate Change Cure Obesity?* Stephen J Popick, George Washington University; Anthony Yezer, George Washington University
- *Access to Health Facilities during a Dengue Fever Outbreak in Cali, Colombia* Irene Casas, Louisiana Tech University; Eric Delmelle, University of North Carolina (Charlotte); Elizabeth C. Delmelle, University of North Carolina at Charlotte

Discussants:

- Irene Casas, Louisiana Tech University
- Javier Perez, Banco de la Republica (The Central Bank of Colombia)
- Maryam Naghsh Nejad, IZA - Institute for the Study of Labor
- Stephen J Popick, George Washington University

140. Formal Paper Session **Transportation VIII: Long-distance Travel Choices** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: Aisling J. Reynolds-Feighan, University College Dublin, Ireland

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- *A Random Utility Maximization Framework for Discrete-Continuous Choices with Perfect and Imperfect Substitutes: Application to Long-Distance Leisure Destination and Mode Choice Analysis* Abdul R. Pinjari, University of South Florida; Vijayaraghavan Sivaraman, University of South Florida
- *The Airline Network and the Airport Competition* Yusuke Teraji, Tezukayama University; Yu Morimoto, Kyoto University
- *Structural relations in the global air transport system* Aisling J. Reynolds-Feighan, University College Dublin, Ireland; Amaya I. Vega, National University of Ireland, Galway
- *Earlier Competition on Discount tickets* Kuninori Nakagawa, Kushi Public University of Economics; Ryosuke Ishii, Aichi Shukutoku University

Discussants:

- Kuninori Nakagawa, Kushi Public University of Economics
- Abdul R Pinjari, University of South Florida
- Yusuke Teraji, Tezukayama University
- Aisling J. Reynolds-Feighan, University College Dublin, Ireland

141. Formal Paper Session **GS: Migration III** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: Lidia Carvajal, Universidad Autonoma del Estado de Mexico

- *Patterns of Later Life Migration: Considering the Role of Family Support* Anne M. Mandich, University of Georgia
- *Do Countries Adapt to Immigration?* Simonetta Longhi, University of Essex; Yvonne Markaki, University of Essex
- *Social capital and migrant entrepreneurship: Evidence from New Zealand.* Matthew James Roskrue, National Health Committee; Laura King, University of Waikato; Jacques Poot, University of Waikato
- *Motivations to Participate in Canada's Seasonal Agricultural Workers Program: An Empirical Analysis* Lidia Carvajal, Universidad Autonoma del Estado de Mexico; Judith Stallmann, University Of Missouri

Discussants:

- Lidia Carvajal, Universidad Autonoma del Estado de Mexico
- Anne M Mandich, University of Georgia
- Simonetta Longhi, University of Essex
- Matthew James Roskrue, National Health Committee

142. Formal Paper Session **GS: Analyzing Crime and Corruption** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: Tatiane Ameida de Menezes, Federal University of Pernambuco Brazil

- *Does privatization influence corruption perceptions? Evidence from Latin America* Elena Costas-Perez, University of Barcelona
- *Analysis of crime in Chicago: new perspectives to an old question using spatial panel econometrics* Rachel Guillain, Université de Bourgogne; Benoît Delbecq, University of Missouri - Columbia; Diègo Legros, University of Burgundy
- *The Crime Spillover between Municipalities: an application of Bayesian spatial autocorrelation* Tatiane Ameida de Menezes, Federal University of Pernambuco Brazil; Thiago Bananeira Castro e Silva, Federal University of Pernambuco; Raul Silveira-Neto, Federal University of Pernambuco; Circe Monteiro, Federal University of Pernambuco; Jose Luiz Ratton, Federal University of Pernambuco
- *Spatial Dependence and Distribution of Crime Hot Spots in Korea, 2001-2010* HYUN JOONG KIM, Seoul National University; SeongWoo Lee, Seoul National University

Discussants:

- Rachel Guillain, Université de Bourgogne
- Elena Costas-Perez, University of Barcelona
- HYUN JOONG KIM, Seoul National University
- Tatiane Ameida de Menezes, Federal University of Pernambuco Brazil

143. Formal Paper Session **GS: Economic Development and Poverty** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: Jae Hong Kim, University of California - Irvine

- *Regional Technical Efficiency of Public Institutions in Colombia* William Orlando Prieto, Catholic University
- *A Static Analysis of Indonesian Macro Policies toward Income Inequality and Poverty Reduction during the Past Three Decades Based On Social Accounting Matrix and A Structural Path Analysis* Gunawan Wicaksono, Cornell University
- *Economy-wide Impacts of the 2009 Fiscal Stimulus Package in Indonesia* Budy P. Resosudarmo, Australian National University; Rahman Abdurohman, Indonesian Ministry of Finance
- *Investigating the dynamics of metropolitan growth -- inequality nexus* Jae Hong Kim, University of California - Irvine; Jaewoo Cho, University of California - Irvine

Discussants:

- Jae Hong Kim, University of California - Irvine

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- William Orlando Prieto, Catholic University
- Gunawan Wicaksono, Cornell University
- Budy P Resosudarmo, Australian National University

144. Formal Paper Session **GS: Environmental Issues V** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: William D Larson, Bureau of Economic Analysis

- *Economic Analysis of the Impact of Carbon Tax on Economy of Makassar City, Indonesia* Yuzuru MIYATA, Toyohashi University of Technology; Any Wahyuni, Toyohashi University of Technology; Hiroyuki SHIBUSAWA, Toyohashi University of Technology
- *Input-output analysis of CO2 emissions embodied in international trade and the analysis of geopolinomic structure implications* Junbo Xue, Chinese Academy of Sciences; qinneng tang, Institute of Policy and Management, Chinese Academy of Sciences
- *The most cost-effective path of energy system transition under the abatement objective in the time horizon to 2050: the case of China* Ying SHI, ; YongBin ZHU, Institute of Policy and Management, Chinese Academy of Sciences; Wang Zheng, Chinese Academy of Sciences
- *Solar Energy Access and Complex Urban Cores Three-Dimensional Morphology: A Spatial Statistical Approach* Bumseok Chun, Georgia Institute of Technology; Jean-Michel Guldmann, Ohio State University
- *The Energy Implications of City Size and Density* William D. Larson, Bureau of Economic Analysis; Anthony Yezer, George Washington University

Discussants:

- William D Larson, Bureau of Economic Analysis
- Yuzuru MIYATA, Toyohashi University of Technology
- Junbo Xue, Chinese Academy of Sciences
- Ying SHI
- Bumseok Chun, Georgia Institute of Technology

145. Formal Paper Session **GS: Agriculture and the Environment** Saturday Nov 16 | 8:00 AM-10:00 AM

- *Integrated Pest Management in the U.S. Nursery Industry: An Application of Smooth Transition Spatial Autoregressive Models* Wan Xu, University of Florida; Hayk Khachatryan, University of Florida; Alan Hodges, University of Florida
- *Harvesting woody biomass as bioenergy feedstock and its impact on regional economies in the Southeastern U.S.* Lixia He, University of Tennessee; Burton C. English, University of Tennessee; Robert J. Menard, University of Tennessee
- *Will Concentration In Skilled Labor Impact the Site Selection Decision of Cellulosic Ethanol Facilities?* Dayton M. Lambert, Univ. of Tennessee; Burton C. English, University of Tennessee; Robert J. Menard, University of Tennessee; Bradley Wilson, University of Tennessee
- *Technical and Allocative Efficiency of Irrigation Water Use in the Guanzhong Plain, China* Jianjun Tang, University of Groningen; Henk Folmer, University of Groningen; Jianhong Xue, Northwest A&F University

146. Formal Paper Session **GS: Labor Markets and Demography** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: Natalia Kolesnikova, University of Mississippi

- *Occupational Segregation by Race and Ethnicity in the U.S.: Differences across States* Carlos Gradín, University of Vigo; Olga Alonso-Villar, University of Vigo; Coral Del Río, University of Vigo
- *Regional Labor Market Dynamics: The Role of Demographic Shifts* Carsten Ochsen, University of Applied Labour Studies and Max Planck Institute for Demographic Research
- *Neighborhood effects and job informality: the case of Metropolitan Area of Mexico City* Sayuri Adriana Koike, Autonomous University of Barcelona; Josep Lluís Roig,
- *Understanding Locational Differences in the Labor Supply Decisions of White and Minority Women* Natalia Kolesnikova, University of Mississippi

Discussants:

- Natalia Kolesnikova, University of Mississippi
- Carlos Gradín, University of Vigo
- Carsten Ochsen, University of Applied Labour Studies and Max Planck Institute for Demographic Research
- Sayuri Adriana Koike, Autonomous University of Barcelona

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147. Formal Paper Session **GS: Economic Development Econometric Modeling** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: James P LeSage, Texas State University

- *Bayesian Hierarchical Spatio-Temporal Modeling with Heterogeneous Spatio-Temporal Parameters: A Study of Economic Growth of Counties in the State of Missouri* Tetyana Z. Beregovska, University of Missouri
- *International Geopolinomic Analysis Based on GDP spillovers in Multilateral Model* Min Hu, Chinese Academy of Sciences; Wang Zheng, Chinese Academy of Sciences
- *Spatial Pseudo-Panel Data Modeling of Industry Employment Using a Space-Industry Filter* ZHENG TIAN, WEST VIRGINIA UNIVERSITY
- *Bayesian model comparison for spatial econometric panel models* James P. LeSage, Texas State University

Discussants:

- James P LeSage, Texas State University
- Tetyana Z Beregovska, University of Missouri
- Min Hu, Chinese Academy of Sciences
- ZHENG TIAN, WEST VIRGINIA UNIVERSITY

148. Formal Paper Session **GS: Poverty** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: Juan C. Duque, RiSE-group. EAFIT University

- *Poverty Changes: a Decomposition approach* Juan Tomas Sayago-Gomez, West Virginia University
- *SNAP Authorized Stores: Accessibility and Change Over a Decade* Clare Y. Cho, The Ohio State University
- *Multidimensional poverty in Brazil: income, assets and expenses* Andre B. Golgher, Cedeplar/UFGM
- *Quantifying slumness with remote sensing data* Juan C. Duque, RiSE-group. EAFIT University; Jorge E. Patino, EAFIT University; Luis A. Ruiz, Universitat Politècnica de València; Josep E. Pardo-Pascual, Universitat Politècnica de València

Discussants:

- Juan C. Duque, RiSE-group. EAFIT University
- Juan Tomas Sayago-Gomez, West Virginia University
- Clare Y Cho, The Ohio State University

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- Andre B Golgher, Cedeplar/UFMG

149. Formal Paper Session **GS: Energy Markets** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: Wesley Burnett, West Virginia University

- *Energy Saving Potential of China's Nonferrous Metal Industry* yanmin shao, Academy of Mathematics and Systems Science ,Chinese Academy of Science
- *Spatial dependence in wholesale gasoline market across the United States* Oleg Kucher, ; Donald Lacombe,; Wesley Burnett, West Virginia University
- *Price Booms and Supply Busts: The Effect of the Shale Gas and Oil Boom on Local Housing Availability and Affordability* Michael Farren, Ohio State University
- *Oil Drilling Expansion and Regional Economic Development: A Monterey Shale Development Case* Jiyoung Park, SUNY - Buffalo; Changkeun Park, University of Georgia
- *Predicting Electricity Prices Based Upon the Spatial Structure of the Transmission Grid* Wesley Burnett, West Virginia University

Discussants:

- Wesley Burnett, West Virginia University
- Michael Farren, Ohio State University
- Jiyoung Park, SUNY - Buffalo
- Oleg Kucher
- yanmin shao, Academy of Mathematics and Systems Science ,Chinese Academy of Science

150. Formal Paper Session **Regional Development VIII: Government** Saturday Nov 16 | 8:00 AM-10:00 AM

Organizers: Alessandra Faggian, The Ohio State University; Rachel S. Franklin, Brown University; Elizabeth A Mack, Arizona State University

Chair: Edward J Malecki, Ohio State University

- *Evaluating the impact of the US federal programs on regional growth* Sandy Dall Erba, University of Arizona; Irving Llamosas-Rosas, University of Arizona
- *Government quality and innovative performance in the regions of Europe* Andres Rodriguez-Pose, London School of Economics; Marco Di Cataldo, London School of Economics
- *Jobless Capital? The Role of Capital Subsidies* Carlianne Patrick, Georgia State University

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- *Residential Development Revisited: Zoning, Local Effects, and the Recession in Phoenix, Arizona* Kevin Kane, Arizona State University; Abigail M. York, Arizona State University; Joseph Tuccillo, University of Colorado - Boulder; Lauren Gentile, Arizona State University; Yun Ouyang, Arizona State University

Discussants:

- Andres Rodriguez-Pose, London School of Economics
- Carlianne Patrick, Georgia State University
- Kevin Kane, Arizona State University
- Sandy Dall Erba, University of Arizona

151. Formal Paper Session **UEA 26: City Structure 2** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: Frédéric Robert-Nicoud, University of Geneva

- *A Simple Model of Road Congestion with Job Sprawl* Alex Anas, SUNY Buffalo; Akin Buyukeren, SUNY Buffalo
- *Do we go shopping downtown or in the burbs? Well, why not to both?* Igor Sloev, Higher School of Economics; Philipp Ushchev, Higher School of Economics; Jacques Thisse, CORE
- *Household sorting in the city* Kristian Behrens, Univ. du Québec à Montréal; Gilles Duranton, The Wharton School; Frederic Robert-Nicoud, University of Geneva
- *Land development, search frictions, and city structure* Yasuhiro Sato, Osaka University; Wei Xiao, Stockholm University

Discussants:

- Igor Sloev, Higher School of Economics
- Frédéric Robert-Nicoud, University of Geneva
- Wei Xiao, Stockholm University
- Akin Buyukeren, SUNY Buffalo

152. Formal Paper Session **UEA 28: Local Public Sector** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: Giulia Faggio, London School of Economics

- *Land/Housing Capitalization, Decentralization, and Intergenerational Spillovers in a Tiebout Economy with Durable Public Goods* John Conley, Vanderbilt

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University; Robert Driskill, Vanderbilt University; Ping Wang, Washington University in St. Louis

- *Public Good Provision in Residential Neighborhoods: The Relationship Between Neighborhood Quality and Individual Property Upkeep Behavior* Tammy Leonard, University of Texas at Dallas
- *Municipal Residency Requirement Laws and their Impact on Cities* Christina Plerhoples, The Urban Institute
- *Relocation of Public Sector Workers: The local labour market impact of the Lyons Review* Giulia Faggio, London School of Economics

Discussants:

- Tammy Leonard, University of Texas at Dallas
- Ping Wang, Washington University in St. Louis
- Giulia Faggio, London School of Economics
- Christina Plerhoples, The Urban Institute

153. Formal Paper Session **UEA 27: Industry Location 2** Saturday Nov 16 | 8:00 AM-10:00 AM

Chair: Jens Suedekum, University of Duisburg-Essen

- *The Effect of Regional Entrepreneurship Culture on Economic Development – Evidence for Germany* Michael Fritsch, Friedrich Schiller University; Michael Wyrwich, Friedrich Schiller University Jena
- *Industrial Location and City Size: Does Inter-City Space Matter?* Wen-Tai Hsu, Singapore Management University; Tomoya Mori, Kyoto University; Tony Smith, University of Pennsylvania
- *The Decline of the Rust Belt: A Dynamic Spatial Equilibrium Analysis* Chamna Yoon, Baruch College/CUNY
- *Profiles of local growth and industrial change: Facts and an explanation* Wolfgang Dauth, IAB Institute for Employment Research; Jens Suedekum, University of Duisburg-Essen

Discussants:

- Wen-Tai Hsu, Singapore Management University
- Chamna Yoon, Baruch College/CUNY
- Jens Suedekum, University of Duisburg-Essen
- Michael Fritsch, Friedrich Schiller University

10:30 AM-12:30 PM

154. **Poster Session 2** Saturday Nov 16 | 10:30 AM-12:30 PM

- *Collaboration Networks in Regional Science: An Analysis of Co-authorship Patterns 1955-2011* Neil Reid, Univ. Of Toledo; Bruce W. Smith, Bowling Green State University; Michael S. Moore, University of Toledo; Paula S. Ross, University of Toledo
- *University Innovation Input, Industry-University Cooperation and the Innovation Output of Large and Medium-sized Industrial Enterprises: Based on the Empirical Research of Thirteen Provinces and Cities in China* Peng Wang, Jinan University; Jianbo Zhang, Jinan University
- *Vegetation Cover Change Detection by Satellite Imagery on Cadillac Mountain, Acadia National Park, Maine, USA: Does it Have Potential for Hiking Trail Management?* Min-Kook Kim, Marshall University
- *Does Spatial Location matter in Economic Development? An Evidence from sub-county level Analysis* Buddhi Raj Gyawali, Kentucky State University; Albert Mensah, Kentucky State University; Ken Bates, Kentucky State University; Swagata "Ban" Banerjee, University of Wisconsin-Plattville; Neelam Poudyal, University of Georgia
- *What affects the scale of rice production in Japan? : Evidence from spatial econometric model* Yoji Kunimitsu, National Agriculture and Food Research Organization
- *The Zipf's Law and the Effects of Free Trade: The Case of Guatemala* Jorge Alberto Orellana Aragon, UFRGS; Vivian Dos Santos Queiroz, UFRGS
- *Spatial Competition of Clinics Under Diagnosis Procedure Combination / Per-Diem Payment System* Kiheiji NISHIDA, Hyogo University of Health Sciences; Atsushi YOSHIDA, Deceased

155. Formal Paper Session **GS: Economic Development** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Maria Figueroa-Armijos, Lehigh University

- *Home Market Potential and Regional Economic Growth in Spain: 1900-1930* Rafael González-Val, Universidad de Zaragoza & Institut d'Economia de Barcelona (IEB); Daniel Tirado-Fabregat, Universitat de València; Julio Martínez-Galarraga, Universitat de València
- *Entrepreneurship in ageing societies* Charlie Karlsson, Jönköping International Business School; Mikaela x. Backman, Jonkoping International Business School

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- *The additionality of start-up capital on U.S. entrepreneurial performance* Maria Figueroa-Armijos, Lehigh University; Thomas G. Johnson, University of Missouri - Columbia

Discussants:

- Maria Figueroa-Armijos, Lehigh University
- Rafael Gonzalez-Val, Universitat de Barcelona & Institut d'Economia de Barcelona (IEB)
- Charlie Karlsson, Jönköping International Business School

156. Formal Paper Session **GS: Education and Communities I** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Joe D. Francis, Cornell University

- *Spatially Assessing a Class Size Policy for the Brazilian Northeast* Monica Amaral Haddad, Iowa State University; Pedro Amaral, Arizona State University; Luciana Luz, Arizona State University
- *Making the Grade: The Impact of Classroom Behavior on Academic Achievement* Kalena E. Cortes, Texas A&M University; Wael S. Moussa, Syracuse University; Jeffrey M. Weinstein, Syracuse University
- *Social and Economic Benefits of Nearby Schools on Local Communities* Xiaoling Li, Cornell University; Joe D. Francis, Cornell University; John W. Sipple, Cornell University
- *Constructing Historical Boundaries with Limited Information: Exploring Relationships between Latino Growth, Native Out-migration and School Financing* Joe D. Francis, Cornell University; Yuanshuo Xu, Cornell University
- *Spatial Segregation and Social Networks Formed in Schools: effects on income of workers in the City of Salvador in Brazil* Gervasio Ferreira Santos, Federal University of Bahia; Gustavo Andrey Lopes Fernandes, Getúlio Vargas Foundation; Cláudia Sá Malbouisson Andrade, Federal University of Bahia

Discussants:

- Joe D. Francis, Cornell University
- Xiaoling Li, Cornell University
- Gervasio Ferreira Santos, Federal University of Bahia
- Kalena E Cortes, Texas A&M University
- Monica Amaral Haddad, Iowa State University

157. Formal Paper Session **Transportation IX: Transport's Environmental Impacts** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Daniel Fagnant, The University of Texas, Austin

- *Life-cycle Energy Impacts of Different Neighborhood Types: Identifying Critical Design Levers for the Short and Longer Terms* Brice Nichols, The University of Texas, Austin; Kara Kockelman, The University of Texas, Austin
- *The Impact of Compact Development on Travel Behavior, Energy Consumption and GHG Emissions: Lessons Learned from Phoenix Metropolitan Area* Wenwen Zhang, Georgia Institute of Technology; Subhrajit Guhathakurta, Georgia Institute of Technology; Yanzhi Xu, Georgia Institute of Technology
- *Environmental Implications for Autonomous Shared Vehicles using an Agent-Based Model* Daniel Fagnant, The University of Texas, Austin; Kara Kockelman, The University of Texas, Austin
- *Collaborative Governance toward the Integrated Regional Planning Process in Southern California* Simon Choi, Southern California Association of Governments

Discussants:

- Simon Choi, Southern California Association of Governments
- Daniel Fagnant, The University of Texas, Austin
- Brice Nichols, The University of Texas, Austin
- Wenwen Zhang, Georgia Institute of Technology

158. Formal Paper Session **GS: Natural Disasters and Regional Economies II** Saturday
Nov 16 | 10:30 AM-12:30 PM

Chair: Warren Kriesel, University Of Georgia

- *The Rise of the Green Class?: The Relationship Between Climate Change Policy and Socioeconomic Changes in the U.S. Great Plains* Andy Hultquist, University of North Dakota; Robert S. Wood, University of North Dakota; Rebecca J. Romsdahl, University of North Dakota
- *Costal morpho-dynamics and real estate markets: Is there evidence of residential sorting across communities along the coast?* Yun Qiu, Ohio State University; Sathya Gopalakrishnan, Ohio State University
- *The impact of production and infrastructure shocks to the Japanese interregional economy: A non-linear input-output programming approach* Jan Oosterhaven, University of Groningen; Michiya Nozaki, University of Groningen
- *Hurricane Damage Reduction Strategies via a Linked GIS and Hedonic Price Model* Warren Kriesel, University Of Georgia

Discussants:

- Warren Kriesel, University Of Georgia
- Andy Hultquist, University of North Dakota
- Yun Qiu, Ohio State University
- Jan Oosterhaven, University of Groningen

159. Formal Paper Session **GS: Alternative Fuel Issues** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: T. Donna Chen, The University of Texas, Austin

- *Economic Impacts of Hybrid and Electric Vehicles in Japan, China and Korea: Multi-Regional Input-Output Applications* Hiroyuki SHIBUSAWA, Toyohashi University of Technology; Yuzuru MIYATA, Toyohashi University of Technology; Nian LI, Toyohashi University of Technology
- *Economic Benefit Assessment Associated with Converting to Hydrogen as a Vehicle Fuel* Javier Perez-Burgos, Cornell University; Kieran Donaghy, Cornell University; Arash Beheshtian, Cornell University; Mark Turnquist, Cornell University
- *Development of Hydrogen Refueling Infrastructures in the Northeastern United States* hossein abdollahnejadbarough, Northern Illinois University; Sukgon kim, Northern Illinois University; Kevin B. martin, Northern Illinois University
- *Where are the Electric Vehicles? A Spatial Model for Vehicle-Choice Count* T. Donna Chen, The University of Texas, Austin; Yiyi Wang, Montana State University; Kara Kockelman, The University of Texas, Austin

Discussants:

- Javier Perez-Burgos, Cornell University
- T. Donna Chen, The University of Texas, Austin
- Hiroyuki SHIBUSAWA, Toyohashi University of Technology
- hossein abdollahnejadbarough, Northern Illinois University

160. Formal Paper Session **GS: Location Modeling** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Yong Chen, Oregon State university

- *Local labor markets in a New Economic Geography model* Allio L. Cédric, CIRED
- *Evaluating the law of one price using micro panel data* Laurent Gobillon, INED; François-Charles Wolff,; Patirce Guillotreau, Université de Nantes

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- *A New Approach for Integrating Inventory into Capacitated Facility Location Modeling* Kayse Maass, University of Michigan; Mark S. Daskin, University of Michigan; Siqian Shen, university of michigan
- *A Model of Exurban Land Development* Yong Chen, Oregon State university; Elena Irwin, Ohio State University; Ciriya Jayaprakash, Ohio State University

Discussants:

- Yong Chen, Oregon State university
- Allio L Cédric, CIRED
- Laurent Gobillon, INED
- Kayse Maass, University of Michigan

161. Formal Paper Session **GS: Natural Resource Extraction and Regions** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Hodjat Ghadimi, West Virginia University

- *Shifting Coal and Sliding Economies: The Local Economy Effects of the Clean Air Act Amendments of 1990* Michael Farren, Ohio State University
- *The winners and losers of coal mining in Appalachia: An instrumental variables investigation* Michael Betz, ; Mark D. Partridge, Ohio State University; Michael Farren, Ohio State University
- *An Optimal Depletion CGE model for an Energy Rich Region: The case of West Virginia* Hodjat Ghadimi, West Virginia University

Discussants:

- Hodjat Ghadimi, West Virginia University
- Michael Farren, Ohio State University
- Michael Betz

162. Formal Paper Session **GS: Analyzing Spatial Spillovers** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Manas Chatterji , Binghamton University

- *Interactions, spillovers and growth in a cross-section of European cities(1990-2008)* Rachel Guillain, Université de Bourgogne; Catherine Baumont, Université de Bourgogne
- *America's 10, 15 and 30 minute Drive time geographies creating mega-employment urban regions of North America -- City Size, Employment Clusters,*

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Employment centers in America's Jay Mittal, Auburn University; SWETA BYAHUT, AUBURN UNIVERSITY

- *Modelling Population Growth dynamics in Spatial Panel and Evidences of Spatial Spillovers for Brazilian Minimum Comparable Areas* Diego Firmino Costa da Silva, Universidade Federal de Pernambuco; Paul Elhorst, University of Groningen; Raul Silveira-Neto, Federal University of Pernambuco
- *Thin and thick borders in the EU: how deep internal integration is within countries, and how shallow between them* Nuria Gallego Lopez, Universidad Autonoma de Madrid; Carlos Llano Verduras, Universidad Autonoma de Madrid

Discussants:

- Jay Mittal, Auburn University
- Rachel Guillain, Université de Bourgogne
- Nuria Gallego Lopez, Universidad Autonoma de Madrid
- Diego Firmino Costa da Silva, Universidade Federal de Pernambuco

163. Formal Paper Session **GS: Environmental Issues VI** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Julie M Mueller, Northern Arizona University

- *The fairness of the carbon mitigation scheme of climate protection* Wang Zheng, Chinese Academy of Sciences
- *Forecasting China Province-Level CO2 Emissions: A Spatial Dynamic Panel Data Approach* Xueting Zhao, West Virginia University; Wesley Burnett, West Virginia University
- *Valuing the Health Impacts of Haze Pollution in Indonesia* Budy P. Resosudarmo, Australian National University; Ari kuncoro, University of Indonesia
- *Estimating Household Values of Forested Watershed Restoration in Flagstaff, Arizona* Julie M. Mueller, Northern Arizona University

Discussants:

- Julie M Mueller, Northern Arizona University
- Wang Zheng, Chinese Academy of Sciences
- Xueting Zhao, West Virginia University
- Budy P Resosudarmo, Australian National University

164. Formal Paper Session **GS: Residential Spatial Issues** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Peter Ganong, Harvard University

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- *Economic Impacts of Alternative Workplace Strategies: A Regional CGE Analysis* Christopher M. Hannum, Colorado State University
- *Applying Iterative Mixture Modeling In Housing Residential Studies: The Case of Lubbock, TX* Michael Shiroya, ; Michael C. Farmer, Texas Tech University
- *Why Has Regional Income Convergence in the U.S. Declined?* Peter Ganong, Harvard University; Daniel Shoag, Harvard University
- *The Co-Evolution of Residential Segregation and the Built Environment.* Seth E. Spielman, University of Colorado; David Folch, university of colorado; Ben Bellman, University of Colorado

Discussants:

- Seth E Spielman, University of Colorado
- Christopher M Hannum, Colorado State University
- Michael Shiroya
- Peter Ganong, Harvard University

165. Formal Paper Session **GS: Human Capital** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Arjen Edzes, University of Groningen

- *Spatial Mismatch and Skills: Educational Attainment, Job Accessibility and Unemployment Duration* Brendan Houg, University of Melbourne
- *Recession Skills* Amanda L. Weinstein, The Ohio State University
- *Schooling, Cognitive Ability, and Knowledge Domains: The Internal and External Returns of Human Capital Part (1)* Chenxi YU, University of Illinois - Urbana-Champaign
- *Determinants of successful career patterns of school-leavers, unemployed and workers* Arjen Edzes, University of Groningen; Jouke van Dijk, University of Groningen

Discussants:

- Arjen Edzes, University of Groningen
- Brendan Houg, University of Melbourne
- Amanda L Weinstein, The Ohio State University
- Chenxi YU, University of Illinois - Urbana-Champaign

166. Formal Paper Session **GS: Trade and Economic Development** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Elizabeth Aponte Jaramillo, Autonoma de Occidente university

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- *Globalization, Increasing Returns and Tax Competition* Shin-Kun Peng, Academia Sinica and National Taiwan University; Dao-Zhi Zeng, Tohoku University
- *Inter-regional trade networks in Europe. Evidence from the agro-food value chain* Carlo Gianelle, European Commission JRC-IPTS; Mark Thissen, Netherlands Environmental Assessment Agency; Ignacio González Vázquez, European Commission DG ECFIN
- *Buyer-Seller Relationships in International Trade: Do Your Neighbors Matter?* Fariha Kamal, US Census Bureau; Asha Sundaram, University of Capetown
- *Intraregional trade and equality results in the countries of the Andean Community of Nations during the last two decades* Elizabeth Aponte Jaramillo, Autonoma de Occidente university; Emma Beatriz Castro, Autonoma university

Discussants:

- Elizabeth Aponte Jaramillo, Autonoma de Occidente university
- Shin-Kun Peng, Academia Sinica
- Carlo Gianelle, European Commission JRC-IPTS
- Fariha Kamal, US Census Bureau

167. Formal Paper Session **Regional Development IX: Culture** Saturday Nov 16 | 10:30 AM-12:30 PM

Organizers: Alessandra Faggian, The Ohio State University; Rachel S. Franklin, Brown University; Elizabeth A Mack, Arizona State University

Chair: Heather Stephens, California State University, Long Beach

- *A Model of Trade Between Creative Regions in the Presence of Sector Specific Learning by Doing* Amit Batabyal, Rochester Institute Of Technology; Hamid Beladi, University of Texas - San Antonio
- *The Cultural Location Index: Planning for the Cultural Economy* Melanie Fasche, University of Toronto; Kevin Stolarick, University of Toronto
- *Skills and Entrepreneurship* Haifeng Qian, Cleveland State University

Discussants:

- Kevin Stolarick, University of Toronto
- Haifeng Qian, Cleveland State University
- Amit Batabyal, Rochester Institute Of Technology

168. Formal Paper Session **UEA 30: Housing 3** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Jan Rouwendal, VU University

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- *Homeowner-Entrepreneurs, Housing Capital Gains, and Self-Employment* John Harding, University of Connecticut; Stuart Rosenthal, Syracuse University
- *Veblen Effect in the U.S. Housing Market: Spatial and Temporal Variation* Kwan Ok Lee, National University of Singapore
- *Homeownership, Unemployment and Commuting Distances* Jan Rouwendal, VU University
- *Do Reverse Mortgage Borrowers Use Credit Ruthlessly?* Thomas Davidoff, University of British Columbia

Discussants:

- Stuart Rosenthal, Syracuse University
- Thomas Davidoff, University of British Columbia
- Stuart Rosenthal, Syracuse University
- Kwan Ok Lee, National University of Singapore

169. Formal Paper Session **UEA 29: Boom and Bust in Housing 2** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Benjamin Keys, University of Chicago

- *Should we Fear the Shadow? House Prices, Shadow Inventory, and the Nascent Housing Recovery* Hua Kiefer, OCC; Leonard Kiefer, Freddie Mac; Thomas Mayock, OCC
- *Interest Rates and Equity Extraction During the Housing Boom* Neil Bhutta, Federal Reserve Board; Benjamin Keys, University of Chicago
- *Does Foreclosure Affect Higher- versus Lower- Priced Homes Differently?* Lei Zhang, North Dakota State University; Tammy Leonard, University of Texas at Dallas
- *The Housing Market Bust and Farmland Values: Identifying the Changing Influence of Proximity to Urban Centers* Wendong Zhang, The Ohio State University; Cynthia Nickerson, USDA

Discussants:

- Benjamin Keys, University of Chicago
- Lei Zhang, North Dakota State University
- Wendong Zhang, The Ohio State University
- Thomas Mayock, OCC

170. Formal Paper Session **UEA 31: Politics** Saturday Nov 16 | 10:30 AM-12:30 PM

Chair: Antonio Accetturo, Bank of Italy

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- *Regional Decline and Right-Wing Political Extremism* Wouter Vermeulen, CPB
- *Economic Integration and Political Radicalization: Evidence from German Regions* Christian Dippel, UCLA; Robert Gold, IfW -- Kiel Institute for the World Economy; Stephan Hebllich, University of Stirling
- *On Trust In Government And Global Public Goods* Daniel Tomkins, University of Wyoming
- *Political Selection in the Skilled City* Antonio Accetturo, Bank of Italy

Discussants:

- Stephan Hebllich, University of Stirling
- Wouter Vermeulen, CPB
- Antonio Accetturo, Bank of Italy
- Daniel Tomkins, University of Wyoming

171. Special Session **Water Isard Memorial Session II** Saturday Nov 16 | 10:30 AM-12:30 PM

Organizers: Tschangho John Kim, University Of Illinois; Adam Rose, USC

Chairs: Karima Kourtit, Free University, Amsterdam ; Adam Rose, USC

- *An Integrated Disaster Relief Supply Chain Network Model with Time Targets and Demand Uncertainty* Anna Nagurney, Isenberg School of Management, University of Massachusetts; Amir H. Masoumi, Manhattan College; Min Yu, University of Portland
- *Impact of Transportation Infrastructure in the US Northeast: A Spatial Econometric CGE Assessment* Zhenhua Chen, George Mason University; Kingsley E. Haynes, George Mason University
- *High-speed Railroad Passenger Services: What Market Sizes and Station Spacings Are Indicative of Success?* David Boyce, Northwestern University; Satish Ukkusuri, Purdue University; Jacqueline Lo, Northwestern University; Jiwon Kim , Northwestern University
- *The Process of Regional Economic Growth: A Modeling Perspective* Richard S. Conway, Jr.,

12:30 PM-2:30 PM

172. Special Session **NARSC Awards Luncheon** Saturday Nov 16 | 12:30 PM-2:30 PM

2:45 PM-4:45 PM

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173. Formal Paper Session **GS: Housing and Migration** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: Brian Cushing, West Virginia University

- *Spatial Mismatch and Affordable Housing: Are Jobs Moving to Areas With Less Affordable Housing?* Richard W. Martin, University of Georgia
- *Measuring the effect of migration in the Housing regional market: a spatial equilibrium approach for Cundinamarca. 2000-2005.* Hernan Enriquez, Universidad Sergio Arboleda
- *Housing Policy and Migration: Evidence from Mainland China* Yu ZHANG, The Ohio State University
- *The Impact of the Low-Income Housing Tax Credit on Migration* Brian Cushing, West Virginia University; Amanda Ross, West Virginia University

Discussants:

- Brian Cushing, West Virginia University
- Richard W Martin, University of Georgia
- Hernan Enriquez, Universidad Sergio Arboleda
- Yu ZHANG, The Ohio State University

174. Formal Paper Session **GS: Education and Communities II** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: John V Winters, Oklahoma State University

- *University competition and local development: a spatial approach* Mattia Cattaneo, University of Bergamo; Michele Meoli, University of Bergamo; Paolo Malighetti, University of Bergamo; Stefano Paleari, University of Bergamo
- *Intergenerational Conflict, Ethnic Divisions and the Political Economy of Higher Education Funding* Eric Brunner, Georgia State University; Erik Johnson, Quinnipiac University
- *STEM Graduates, Human Capital Externalities, and Wages in the U.S.* John V. Winters, Oklahoma State University
- *Student commutes, university presence, and academic achievements: evidence from the Netherlands* Martijn Kobus, ; Jos Van Ommeren, VU University Amsterdam; Piet Rietveld, VU University Amsterdam

Discussants:

- John V Winters, Oklahoma State University
- Mattia Cattaneo, University of Bergamo

- Martijn Kobus
- Eric Brunner, Georgia State University

175. Formal Paper Session **Transportation X: Freight Modeling** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: Anna Nagurney, Isenberg School of Management, University of Massachusetts

- *The Co-evolution of Economic Geography, Freight Movement, and Air Quality: Simulations with a Dynamic Commodity-Flow Model* Jialie Chen, Cornell University; Kieran Donaghy, Cornell University
- *Investigation of freight delivery pattern in New York City* Yiwei Zhou, Rensselaer Polytechnic Institute; Xiaokun (Cara) Wang, Rensselaer Polytechnic Institute
- *Pharmaceutical Supply Chain Networks with Outsourcing Under Price and Quality Competition* Anna Nagurney, Isenberg School of Management, University of Massachusetts; Dong Li, Department of Finance and Operations Management; Ladimer S. Nagurney, University of Hartford
- *Using Malmquist indices to analyze road freight regional transport accessibility: The Spanish case* ANDRES MAROTO-SANCHEZ, UNIVERSIDAD AUTONOMA DE MADRID; José L. Zofío, Universidad Autonoma de Madrid; Javier Gutiérrez-Puebla, Complutense University of Madrid; Ana M. Condeço Melhorado,

Discussants:

- Anna Nagurney, Isenberg School of Management, University of Massachusetts
- Jialie Chen, Cornell University
- ANDRES MAROTO-SANCHEZ, UNIVERSIDAD AUTONOMA DE MADRID
- Yiwei Zhou, Rensselaer Polytechnic Institute

176. Formal Paper Session **GS: Migration and Population** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: Rosella Nicolini, Universitat Autònoma de Barcelona

- *Leisure Choices of the Creative Class* Eric Joseph Chisholm, Georgia State University
- *Why Immigrants Move: Motivations for Immigrants' Internal Migration Behavior* Natasha Duncan, Mercyhurst University; Brigitte Waldorf, Purdue University
- *Population distribution over time: how spatial distance matters* Ilenia Epifani, Politecnico di Milano; Rosella Nicolini, Universitat Autònoma de Barcelona

- *A Dynamic Model of Rural-Urban Transformation with Public Goods* David Cuberes, University of Sheffield; Dan Biller, World Bank; Luis Andres, World Bank

Discussants:

- Rosella Nicolini, Universitat Autònoma de Barcelona
- Eric Joseph Chisholm, Georgia State University
- David Cuberes, University of Sheffield
- Natasha Duncan, Mercyhurst University

177. Formal Paper Session **GS: Trade Patterns** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: Sergey KICHKO, National Research University Higher School of Economics

- *Modeling inter-provincial flows in presence of hub-spoke structures and multimodal flows: a spatial econometrics approach* Tamara De la Mata, IESE Business School; Jorge Diaz Lanchas, Universidad Autónoma de Madrid; Nuria Gallego Lopez, Universidad Autónoma de Madrid; Carlos Llano Verduras, Universidad Autónoma de Madrid
- *Impact of supply chain network structure on FDI: Theory and evidence* Ryo Itoh, Nagoya-City University; Kentaro Nakajima, Tohoku University
- *Trade Patterns and Export Pricing Under Non-CES Preferences* Sergey KICHKO, National Research University Higher School of Economics; Sergey Kokovin, Novosibirsk State University; Evgeny Zhelobodko, Novosibirsk State University

Discussants:

- Sergey KICHKO, National Research University Higher School of Economics
- Carlos Llano Verduras, Universidad Autónoma de Madrid
- Kentaro Nakajima, Tohoku University

178. Formal Paper Session **GS: Labor Markets II** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: Viktor A. Venhorst, University of Groningen

- *Your very private job agency: Job referrals based on residential location networks* Franziska Hawranek, University of Regensburg; Norbert Schanne, IAB Institute for Employment Research
- *Impact of Availability of Post-recession Local Jobs for Work-eligible Temporary Cash Assistance (TCA) Recipients: a Locational Approach for Welfare-to-work Examination* Ting Zhang, University of Baltimore; David Stevens, University of Baltimore; Huaqun Li, Regional Economic Models, Inc

- *Culture and Regional Risk: An Application to Entrepreneurial Activity* Brian J. Osoba, Central Connecticut State University
- *Dutch graduates' first decade in the labour market: a longitudinal analysis* Viktor A. Venhorst, University of Groningen; Jouke van Dijk, University of Groningen

Discussants:

- Viktor A. Venhorst, University of Groningen
- Franziska Hawranek, University of Regensburg
- Ting Zhang, University of Baltimore
- Brian J. Osoba, Central Connecticut State University

179. Formal Paper Session **UEA 32: Handbook of Regional and Urban Economics**

1 Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: Thomas Holmes, University of Minnesota

- *Causal inference in urban economics* Nathaniel Baum-Snow, Brown University; Fernando Ferreira, The Wharton School
- *Structural Estimation in Urban and Regional Economics* Thomas Holmes, University of Minnesota; Holger Sieg, University of Pennsylvania

Discussants:

- Thomas Holmes, University of Minnesota
- Nathaniel Baum-Snow, Brown University

180. Formal Paper Session **GS: Residential Real Estate V** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: Marc Francke, University of Amsterdam

- *Estimating a Single Agent Dynamic Discrete Choice Model for Household Mortgage Default and Prepayment Decisions* Chao Ma, The Ohio State University
- *Differential Impacts of Structural and Cyclical Unemployment on Mortgage Default and Prepayment* roberto quercia, ; anthony pennington-cross,; Chao Tian,
- *Were Home Prices in New Urbanist Neighborhoods More Resilient in the Recent Housing Downturn?* Hongwei Dong, California State University, Fresno
- *Housing Price Implications of Public Real Estate Sentiment* Boris A. Portnov, University of Haifa; Sagi Akron, University of Haifa

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- *Land, Structure & Depreciation* Marc Francke, University of Amsterdam; Alex van de Minne, University of Amsterdam

Discussants:

- Marc Francke, University of Amsterdam
- Chao Ma, The Ohio State University
- Chao Tian
- Hongwei Dong, California State University, Fresno
- Boris A. Portnov, University of Haifa

181. Formal Paper Session **GS: Agriculture and Environmental Issues** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: Wendong Zhang, The Ohio State University

- *From Farmer Management Decisions to Watershed Environmental Quality: A Spatial Economic Model of Land Management Choices* Wendong Zhang, THE OHIO STATE UNIVERSITY; Elena G. Irwin, THE OHIO STATE UNIVERSITY
- *Farm Size and Environmental Risk: The Case of Namibian Commercial Cattle Farms* John-Oliver Engler, Leuphana University; Stefan Baumgärtner, Leuphana University
- *Economic and Policy Assessments of the Korean Quarantine System on Plant Diseases and Pests* Minsu Son, SUNY-Buffalo; Jiyoung Park, SUNY - Buffalo; Brian H.S. Kim, Seoul National University; Euijune Kim, Seoul National University

Discussants:

- John-Oliver Engler, Leuphana University
- Minsu Son, SUNY-Buffalo
- Wendong Zhang, The Ohio State University

182. Formal Paper Session **GS: Environmental Issues VII** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: Roger Z Rios-Mercado, Universidad Autonoma de Nuevo Leon

- *The Energy Footprint Concept Applied in the Brazilian International Trade: the Input-Output Approach* Ricardo Luis Lopes, State University of Maringá; Joaquim J.M. Guilhoto, University of Sao Paulo
- *The quest for a national and cross-border environmental Kuznets curve* Bieuwe Puijsma, University of Groningen; Paul Elhorst, University of Groningen

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- *Can urban pollution shrink rural districts?* Tohru Naito, The University of Tokushima; Tatsuya Omori, Chukyo University
- *Designing optimal districts in the recycling of electronic goods with integer programming and problem reformulation* Roger Z. Rios-Mercado, Universidad Autonoma de Nuevo Leon; Jonathan F. Bard, University of Texas - Austin

Discussants:

- Roger Z Rios-Mercado, Universidad Autonoma de Nuevo Leon
- Ricardo Luis Lopes, State University of Maring i
- Bieuwe Pruiksma, University of Groningen
- Tohru Naito, The University of Tokushima

183. Formal Paper Session **GS: Local Public Finance Policy** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: Abdul Munasib, University of Georgia

- *Land Value Tax and the Case of Cardiff Bus: A Quantile Hedonic Exploration* Yiming Wang, Cardiff University; Dimitris Potoglou, Cardiff University; Yi Gong, Cardiff University; Scott Orford, Cardiff University
- *Additionality and regional public finance: evidence from Italy* Chiara Del Bo, Universit  degli Studi di Milano; Emanuela Sirtori, CSIL
- *Province-Local Government Spending and Forest Management in Indonesia* Riatu M. Qibthiyah, University of Indonesia
- *Crime and the Stand Your Ground Law: The Case of Florida* Abdul Munasib, University of Georgia; Mouhcine Guettabi, University of Alaska - Anchorage

Discussants:

- Abdul Munasib, University of Georgia
- Yiming Wang, Cardiff University
- Chiara Del Bo, Universit  degli Studi di Milano
- Riatu M. Qibthiyah, University of Indonesia

184. Formal Paper Session **UEA 33: Handbook of Regional and Urban Economics 2** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: David Albouy, University of Michigan

- *Spatial Methods* Stephen Gibbons, London School of Economics; Henry Overman, London School of Economics; Eleonora Pattachini, Syracuse University

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- *Quantitative/Calibration Models in Urban and Regional Economics* David Albouy, University of Michigan; Jordan Rappaport, Federal Reserve Bank of Kansas City

Discussants:

- David Albouy, University of Michigan
- Stephen Gibbons, London School of Economics

185. Formal Paper Session **GS: Trade** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: Cletus Coughlin, Federal Reserve Bank of St. Louis

- *Common foreign trade cycle construction and analysis based on MS-VAR: an empirical study of global experience* xun zhang, Chinese Academy of Sciences; Lili Zhang, Chinese Academy of Sciences; Ke Cheng, Chinese Academy of Sciences
- *Break points, trade margins and trade areas: How geographical frictions affect municipal freight flows* Jorge Diaz Lanchas, Universidad Autonoma de Madrid; Carlos Llano Verduras, Universidad Autonoma de Madrid; José L. Zofío, Universidad Autonoma de Madrid
- *Study on the Comparison of Import-Export Rational Validity between China, Japan and United states Based On Input-Output Model* genyao lu, ; zhou shufeng,; pan xiaodong,
- *The Great Trade Collapse and Rebound: A State-by-State View* Cletus Coughlin, Federal Reserve Bank of St. Louis

Discussants:

- Cletus Coughlin, Federal Reserve Bank of St. Louis
- xun zhang, Chinese Academy of Sciences
- Jorge Diaz Lanchas, Universidad Autonoma de Madrid
- genyao lu

186. Formal Paper Session **Regional Development X: Business Location** Saturday Nov 16 | 2:45 PM-4:45 PM

Organizers: Alessandra Faggian, The Ohio State University; Rachel S. Franklin, Brown University; Elizabeth A Mack, Arizona State University

Chair: Tony H Grubestic, Oregon State University

- *Frequency and perceived relevance of interaction with service providers: does it vary across space?* Richard Shearmur, McGill University; David Doloreux, University of Ottawa

- *How do pollution and other environmental disamenities affect business location?* Elena G. Irwin, THE OHIO STATE UNIVERSITY; Mark D. Partridge, Ohio State University; Heather Stephens, California State University, Long Beach
- *The changing role of Mexico as a location for light vehicle production* Thomas H. Klier, Federal Reserve Bank of Chicago
- *How important are regional variations in industry connectedness to the identification of industry clusters: an examination of clusters, wages, and employment in Washington State.* Christopher S. Fowler, Penn State University

Discussants:

- Heather Stephens, California State University, Long Beach
- Thomas H. Klier, Federal Reserve Bank of Chicago
- Christopher S. Fowler, Penn State University
- Richard Shearmur, McGill University

187. Formal Paper Session **GS: Location and Economic Development** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: anjun hu, Renmin University of China

- *The policy process effectiveness of value chain multi-stakeholder development partnerships to promote regional competitiveness in Colombia* ALEXANDER BLANDON LOPEZ, UNIVERSIDAD DEL TOLIMA; JANETH GONZALEZ RUBIO,
- *The impact of international trade on the size of port cities: an approach from the New Economic Geography.* Camilo A. Acosta-Mejia, Universidad de los Andes
- *Wages per Job in Sub-State Regions of the Upper South and the Lower Midwest.* J Frank O'Connor, Eastern Kentucky University
- *Economic impact evaluation of the place-based development policies: The case of the GMR-approach* Attila Varga, University of Pécs
- *Marshall or Jacobs: the Evidence from Manufacturing of China* anjun hu, Renmin University of China; Jean-Claude F. Thill, Univ. of North Carolina at Charlotte

Discussants:

- J Frank O'Connor, Eastern Kentucky University
- ALEXANDER BLANDON LOPEZ, UNIVERSIDAD DEL TOLIMA
- anjun hu, Renmin University of China
- Camilo A Acosta-Mejia, Universidad de los Andes
- Attila Varga, University of Pécs

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188. Formal Paper Session **GS: Economic Clustering** Saturday Nov 16 | 2:45 PM-4:45 PM

Chair: Nicole G Litzel, IAB Institute for Employment Research

- *The Waning of Industry Cluster Policy and Practice: Evidence from U.S. States* John R Lombard, Old Dominion University
- *Detecting Spatial Clustering Pattern of Flow Data* Ran Tao, University of North Carolina - Charlotte; Jean-Claude F. Thill, Univ. of North Carolina at Charlotte
- *Does cluster awareness lead to longer firm survival and higher employment growth?* Nicole G. Litzel, IAB Institute for Employment Research

Discussants:

- Nicole G Litzel, IAB Institute for Employment Research
- Antonio Paez, McMaster University
- John R Lombard, Old Dominion University
- Ran Tao, University of North Carolina - Charlotte

189. Formal Paper Session **Land Use Modeling at Regional Planning Agencies.** Saturday Nov 16 | 2:45 PM-4:45 PM

Organizer: Todd Graham, Metropolitan Council

Chair: Todd Graham, Metropolitan Council

- *The future of forecasting at Metropolitan Council.* Todd Graham, Metropolitan Council
- *The Atlanta Production Exchange Consumption Allocation System (PECAS) Model* Michael D. Alexander, Atlanta Regional Commission; John Abraham, University of Calgary
- *Title: How Effective is Land Use in Reducing VMT and GHG Emissions ? Investigations with An Integrated Urban Simulation Model (MetroScope)* Sonny D. Conder, Metro Regional Government
- *Land Use and Travel of the Increasing Elderly Population: Implications for Greenhouse Gas Emissions from Transportation in the Southern California Region* Simon Choi, Southern California Association of Governments; Hsi-Hwa Hu, Southern California Association of Governments; Frank Wen, SCAG

Discussants:

- Michael D Alexander, Atlanta Regional Commission
- Todd Graham, Metropolitan Council
- Simon Choi, Southern California Association of Governments
- Sonny D. Conder, Metro Regional Government

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abdollahnejadbarough, hossein (hossein.abdollahnejad@gmail.com): 159
Abdurohman, Rahman (a_rahman212@yahoo.com): 143
Abel, Jaison R. (jaison.abel@ny.frb.org): 120
Abo-Zaid, Salem M (salem.abozaid@ttu.edu): 22
Abraham, John (jea@hbaspecto.com): 189
Accetturo, Antonio (antonio.accetturo@bancaditalia.it): 71 , 170
Accetturo, Antonio ([email](#) not available): 170
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Adams, Brian (adams658@umn.edu): 28
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Adler, Martin Wolfgang (m.w.adler@vu.nl): 32
Agarwal, Ajay (agarwala@queensu.ca): 34 , 137
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Ahlfeldt, Gabriel (g.ahlfeldt@lse.ac.uk): 127
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Ahmed, Abu Nur Rashed (phd10202@grips.ac.jp): 48
Ahmed, Rashed Abu Nur (nurrashed@yahoo.com): 48
Aiura, Hiroshi (h-aiura@oita-u.ac.jp): 19
Akron, Sagi (Sagiakron@univ.haifa.ac.il): 180
Albouy, David (albouy@umich.edu): 184
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Alexander, Michael D (malexander@atlantaregional.com): 189
Aliprantis, Dionissi (dionissi.aliprantis@clev.frb.org): 78
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Almeida, Eduardo Simoes de (edualmei@gmail.com): 67
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Hua, Yue (hua.48@osu.edu): 12
Huang, Hao (hao.huang@utah.edu): 17
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Kim, Kamyoung (kamyoungkim@knu.ac.kr): 105
Kim, Kijin (kkim96@illinois.edu): 11
Kim, Mina (kim.mina@bls.gov): 51
Kim, Min-Kook (mkkim2@gmail.com): 154
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Larson, Eric R (elarson8@utk.edu): 68
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Lee, Dongkwan (lee.3018@osu.edu): 32
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Lee, Yong Suk (yong.s.lee@williams.edu): 21
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Lee, Yongsung (yongsung.lee@gatech.edu): 101
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Leming, Carol (leming.carol@bls.gov): 111
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Li, Huiping (huiping.shufe@gmail.com): 125
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Li, Man (man.li@cgiar.org): 33 , 60
LI, Nian (linian_afa_need@yahoo.co.jp): 15 , 159
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Li, Ran (ranli@email.arizona.edu): 85
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Li, Wenwen (wenwen@ASU.edu): 69
Li, Xiaofei (li597@purdue.edu): 60
Li, Xiaoling (xl227@cornell.edu): 156
Liao, Wen-Chi (wliao@nus.edu.sg): 117
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Liu, Peng (pl333@cornell.edu): 61
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Lundberg, Johan (johan.lundberg@econ.umu.se): 19
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Ma, Chao (ma.271@buckeyemail.osu.edu): 180
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Matsushima, Noriaki (nmatsush@iser.osaka-u.ac.jp): 73
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Menezes, Tatiane Ameida de (tatianedemenezes@gmail.com): 16 , 142
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Miranda, Rogerio B (rogerio.boueri@ipea.gov.br): 110
Miranda-Moreno, Luis F (luis.miranda-moreno@mcgill.ca): 55
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Ochsen, Carsten (carsten.ochsen@uni-rostock.de): 146
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Ogawa, HIKARU (ogawa@soec.nagoya-u.ac.jp): 19
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Paredes, Dusan (dparedes@ucn.cl): 37 , 50, 56
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Parent, Olivier (olivier.parent@uc.edu): 65 , 70
Park, Changkeun (chkpark@uga.edu): 149
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Peng, Shin-Kun (speng@econ.sinica.edu.tw): 166
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Perez, Javier (gjavierperezv@gmail.com): 139
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Vandebona, Upali (u.vandebon@unsw.edu.au): 118
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Wang, Zhi (email not available): 45
Wang, Zhi (zhi_wang@brown.edu): 88
Watanabe, Hiroki (watanabe@wustl.edu): 73
Waters, Nigel (nwaters@gmu.edu): 70
Watson, Tara (tara.watson@williams.edu): 45
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Xu, Yanzhi (yanzhi.xu@ce.gatech.edu): 157
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Xue, Jianhong (xuej@nwsuaf.edu.cn): 145
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Yang, Jiawen (jiawenmit@yahoo.com): 118
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Yang, Rudai (rudaiyang@gmail.com): 120
Yao, Xiaobai Angela (xyao@uga.edu): 10
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ZHANG, JING (zhang.728@osu.edu): 72
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Zhang, Lili (zhanglili@amss.ac.cn): 185
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Zhang, Shengnan (109120173@umail.ucc.ie): 107
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Zhang, Wendong (zhang.822@osu.edu): 169
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Zhang, Wenjia (wenjiazhang@utexas.edu): 32
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Zhao, Xueting (Xueting.Zhao@mail.wvu.edu): 163
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Zhou, Yiwei (zhouy7@rpi.edu): 42 , 175
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