

DETAILED PROGRAM

(Updated 11.12.2019)

Wednesday, 13 November

8:00 AM-5:00 PM

1. Workshop: Spatial Data Analysis with PySal (Pre-Registration Required) --Wednesday Nov 13 | 8:00 AM-5:00 PM | Conference B

Chairs: Sergio Rey, University of California - Riverside; WEI KANG, University of California Riverside

2. Workshop: IMPLAN Workshop (Pre-Registration Required) --Wednesday Nov 13 | 8:00 AM-5:00 PM | Conference C

Chair: Devin Swindall, IMPLAN

3. Workshop: Economic Modeling with TERM-USA Using Customized RunGE (Pre-Registration Required) (CANCELLED) --Wednesday Nov 13 | 8:00 AM-5:00 PM | Phipps

Chairs: Louis Roos, University of Victoria; John Madden, University of Victoria

1:00 PM-4:00 PM

4. Panel: Workshop: Twitter Data for Social Science (Pre-Registration Required) --Wednesday Nov 13 | 1:00 PM-4:00 PM | Frick

Organizers: Guangqing Chi, Pennsylvania State University; Junjun Yin, Pennsylvania State University

Chair: Guangqing Chi, Pennsylvania State University

4:00 PM-8:00 PM

5. Registration --Wednesday Nov 13 | 4:00 PM-8:00 PM | Conference Level Foyer

6:30 PM-7:30 PM

6. Alonso Prize Lecture: The New Science of Cities --Wednesday Nov 13 | 6:30 PM-7:30 PM | Monongahela

Chair: Janet Kohlhase, University of Houston

Discussant:

- Peter Batey, University of Liverpool

8:00 PM-9:00 PM

7. NARSC Icebreaker Reception --Wednesday Nov 13 | 8:00 PM-9:00 PM | Urban

Thursday, 14 November

7:30 AM-8:30 AM

8. Coffee --Thursday Nov 14 | 7:30 AM-8:30 AM | Conference Level Foyer

7:30 AM-10:00 AM

9. Business Meeting: PiRS Editorial Board --Thursday Nov 14 | 7:30 AM-10:00 AM | Parkview West

Chair: Roberta Capello, Politecnico di Milano

7:30 AM-5:30 PM

10. Registration and Exhibits: Registration and Exhibits --Thursday Nov 14 | 7:30 AM-5:30 PM | Conference Level Foyer

8:00 AM-8:30 AM

11. Welcome Address: Spatial Econometrics Association session (Pre-Registration Required) --Thursday Nov 14 | 8:00 AM-8:30 AM | Conference C

Chair: Giuseppe Arbia, Universita Cattolica del Sacro Cuore

8:00 AM-10:00 AM

12. Formal Paper Session: Innovations in Spatial Data Analysis and Modeling --Thursday Nov 14 | 8:00 AM-10:00 AM | Heinz

Chair: Junjun Yin, Pennsylvania State University

- *A Prototype Spatial Microsimulation Model for Projecting the Spatial Distribution of Urban Ethnic Groups* Mohana Mondal, University of Waikato; Michael Cameron, University of Waikato; Jacques Poot, Vrije Universiteit Amsterdam
- *Exploring Urban Spatial Interaction Patterns: A spatial network approach with geographic context-aware geo-located Twitter data* Junjun Yin, Pennsylvania State University; Guangqing Chi, Pennsylvania State University
- *Peer Effects on Students' Academic Performance with Endogenous Friendship Structure Formation* Huibin Weng, University of Cincinnati
- *A Comparative Spatial Analysis of Urban Informal Sector Activities in the Northern and Southern Regions of Nigeria* Emmanuella Onyenechere, Imo State University

Discussants:

- Huibin Weng, University of Cincinnati
- Emmanuella Onyenechere, Imo State University
- Junjun Yin, Pennsylvania State University
- Michael Cameron, University of Waikato

13. Business Meeting: NARSC Council Meeting --Thursday Nov 14 | 8:00 AM-10:00 AM | Parkview East

Chair: Tony Grubestic, University of Texas at Austin

14. Special Session: REAL, 30 Years: Urban and Regional Challenges I --Thursday Nov 14 | 8:00 AM-10:00 AM | Conference A

Organizer: Sandy Dall'Erba, University of Illinois

Chair: Cristina Miller, Centers for Medicare and Medicaid Services

- *Airbnb and Capital Investment to Neighborhoods in Chicago* Minhong Xu, Nanjing Audit University; Yilan Xu, University of Illinois
- *Moving on out...or not? Rural Hospital Closure impacts on Out-migration and Population Change* Cristina Miller, Centers for Medicare and Medicaid Services; Juan Tomas Sayago Gomez, Universidad Icesi
- *Carbon Leakage or Bridging the Energy Efficiency Gap? A case of Japanese Emission Trading Scheme.* Taisuke Sadayuki, Waseda University; Toshi. H. Arimura, Waseda University
- *Fiscal Federalism and Brazilian Health System Decentralization: Evidence from a Natural Experiment* Tatiane Menezes, Federal University of Pernambuco Brazil; Julyan Lins, Federal University of Pernambuco

Discussants:

- Tatiane Menezes, Federal University of Pernambuco Brazil
- Taisuke Sadayuki, Waseda University
- Minhong Xu, Nanjing Audit University
- Cristina Miller, Centers for Medicare and Medicaid Services

15. Formal Paper Session: Environmental Issues I --Thursday Nov 14 | 8:00 AM-10:00 AM | Carnegie I

Chair: Christina Gore, Ohio State University

- *Sensitivity Analysis for Trade-Related Greenhouse Gas Emissions from U.S. Interstate Freight Transportation* Da Fei, Rutgers University
- *What Drives Battery Electric Vehicle Adoption? How Consumers' Decisions are Impacted by Regional Differences in Carbon Dioxide Emissions* Christina Gore, Ohio State University; Elena Irwin, Ohio State University; Andre Carrel, Ohio State University
- *Impact of Large Scale Water Contamination on Population Change* Sam Taylor, West Virginia University; Heather Stephens, West Virginia University

- *The Value of Environmental Quality: Estimates from Space-time Analysis* John Carruthers, Cornell University; Davide Clark, Marquette University

Discussants:

- John Carruthers, Cornell University
- Da Fei, Rutgers University
- Christina Gore, Ohio State University
- Sam Taylor, West Virginia University

16. Formal Paper Session: Socio-Economic and Demographics and Regional Employment -- Thursday Nov 14 | 8:00 AM-10:00 AM | Carnegie II

Chair: Nari Kim, Seoul National University

- *Determinants of the economic empowerment among women farmers in Tanzania* Nari Kim, Seoul National University; Donghwan An, Seoul National University
- *Spatial Configuration of a Monocentric City with Suburban Farmers; Observations in Tokyo Metropolitan Area* Asao Ando, Tohoku Univ.; Fumio Takuma, Meikai University
- *Impact of Religious Affiliation on Regional Demographics in Pre-transition Population and Growth of Religious Affiliation: Evidence from 19th Century Prussia* Seung-hun Chung, The Ohio State University
- *Female Labor Supply Decision among Asian Communities in the U.S.* Ye Yao, Rutgers University

Discussants:

- Seung-hun Chung, The Ohio State University
- Ye Yao, Rutgers University
- Asao Ando, Tohoku Univ.
- Nari Kim, Seoul National University

17. Formal Paper Session: Spatial and causal analysis of transportation impacts --Thursday Nov 14 | 8:00 AM-10:00 AM | Conference B

Organizers: Eleni Bardaka, North Carolina State University; V. Dimitra Pyrialakou, West Virginia University

Chair: Eleni Bardaka, North Carolina State University

- *Agglomeration, Employment and Transportation Improvement: The Impact of Road Levies on Labor Market Outcomes in Ohio's Municipalities based on Regression Discontinuity Design (RDD)* Seunghoon Oh, University of Cincinnati; David Brasington, University of Cincinnati
- *Travel Cost and Long-range Entrepreneurship Comovement* Rui Du, Oklahoma State University; Jin Wang, Massachusetts Institute of Technology
- *The Relationship Between Transit Stations and Crime: A Spatial Pattern Analysis of Major US Transit Systems* Timothy Welch, Georgia Institute of Technology

- *Variation in Ride-Hailing Trips in Chengdu, China* Sicheng Wang, Rutgers, The State University of New Jersey; Robert Noland, Rutgers University

Discussants:

- Rui Du, Oklahoma State University
- Seunghoon Oh, University of Cincinnati
- Sicheng Wang, Rutgers, The State University of New Jersey
- Timothy Welch, Georgia Institute of Technology

18. Formal Paper Session: Regional and Rural Development I: Big Data and Dynamics -- Thursday Nov 14 | 8:00 AM-10:00 AM | Frick

Organizers: Sarah Low, University of Missouri; Stephan Weiler, Colorado State University

Chair: Craig Carpenter, Texas A&M University

- *Does the Earned Income Tax Credit Birth Establishments?* Kristopher Deming, Colorado State University
- *The Impact of Local Employment Portfolio on Business Survival* Bharman Gulati, Colorado State University; Stephan Weiler, Colorado State University
- *Anti-Counterfactual: Repealing and replacing the expected trend-line counterfactual for calculating resilience* Timothy Slaper, Indiana University; John Stavick, Indiana University; Riley Zipper, Indiana University
- *Inaccuracy of Public and Proprietary U.S. Regional Economic Data* Craig Carpenter, Texas A&M University; Anders Van Sandt, Texas A&M University; Rebekka Dudensing, Texas A&M University; Scott Loveridge, Michigan State University

Discussants:

- Craig Carpenter, Texas A&M University
- Kristopher Deming, Colorado State University
- Bharman Gulati, Colorado State University
- Timothy Slaper, Indiana University

19. Formal Paper Session: Communities and Well-Being --Thursday Nov 14 | 8:00 AM-10:00 AM | Oliver

Chair: Rebekka Apardian, University of Toledo

- *Spatial panel analysis on the factors influencing the subjective well-being of cities: Evidence from South Korea* Zhe Hong, Seoul National University; In Kwon Park, Seoul National University
- *Comparing the Relationship Between Neighborhood Walkability and Craft Brewery Locations Across Three U.S. Cities* Rebekka Apardian, University of Toledo; Neil Reid, University of Toledo
- *Long Term Neighborhood Effects of Religious Exposure: Evidence from Scotland* Chuhang Yin, Duke University

- *The Effects of Housing Prices on Happiness and Health: Evidence from Chinese Urban Households* Ling Liu, Xiamen University

Discussants:

- Ling Liu, Xiamen University
- Zhe Hong, Seoul National University
- Rebekka Aparidian, University of Toledo
- Chuhang Yin, Duke University

20. Formal Paper Session: Regions and Resilience I --Thursday Nov 14 | 8:00 AM-10:00 AM | Phipps

Chair: Liz Matsunaga, University of Sao Paulo

- *The Performance of Airport Resilience to Severe Weather Events in China* Lei Zhou, Nanjing University of Information Science and Technology; Zhenhua Chen, Ohio State University
- *Assessing the housing price capitalization of near-flooding events* Mitchell Livy, California State University, Fullerton
- *Economic Impacts of Natural Disasters: A Myth or Mis-measure?* Seong Yun, Mississippi State University; Ayoung Kim, Mississippi State University
- *From mud to chaos: impacts of the Mariana (MG, Brazil) tailing dam disaster in municipalities of the rio Doce basin* Liz Matsunaga, University of Sao Paulo; Ariaster Chimeli, University of Sao Paulo

Discussants:

- Liz Matsunaga, University of Sao Paulo
- Zhenhua Chen, Ohio State University
- Mitchell Livy, California State University, Fullerton
- Seong Yun, Mississippi State University

21. Formal Paper Session: Transportation I --Thursday Nov 14 | 8:00 AM-10:00 AM | Vandergrift

Chair: John Miron, University of Toronto

- *The differential pricing with discrete choice behavior for time-definite LTL delivery services* cheng-chang lin, National Cheng Kung University
- *Universal Service Fee and its Effect on the Airline's Network Choice* Yusuke Teraji, Tezukayama University
- *Local Transportation and Inter-Jurisdictional Competition* Santiago Pinto, Federal Reserve Bank of Richmond
- *Political actors and the benefits of a transportation project* John Miron, University of Toronto

Discussants:

- John Miron, University of Toronto
- Santiago Pinto, Federal Reserve Bank of Richmond
- cheng-chang lin, National Cheng Kung University
- Yusuke Teraji, Tezukayama University

22. Panel: The Regional Science Academy Special Academic Session (SAS): Regional science and planning: the need to re-connect --Thursday Nov 14 | 8:00 AM-10:00 AM | Carnegie III

Chair: Peter Batey, University of Liverpool

Panelists:

- Michael Batty, UCL
- David Boyce, UIC
- Kieran Donaghy, Cornell University
- Richard Klosterman, University of Akron

8:30 AM-10:00 AM

23. Special Session: Spatial Econometrics Association Session: Environmental applications (Pre-Registration Required) --Thursday Nov 14 | 8:30 AM-10:00 AM | Conference C

Chair: Elena Paglialunga, University Roma Tre

- *A Spatial Analysis of Water Supply and Sewage Indicators in Pernambuco - Brazil* Josiane de Sousa Ferreira, Universidade Federal de Alagoas; Thierry Prates, Universidade Federal Rural do Rio de Janeiro; Maria Cecilia Junqueira Lustosa, Universidade Federal de Alagoas
- *Violent conflicts, climate conditions and socio-economic vulnerability in Africa: a dynamic spatial econometric analysis* Keti Lelo, University Roma Tre; Federica Cappelli, University Roma Tre; Caterina Conigliani, University Roma Tre; Valeria Costantini, University Roma Tre; Anil Markandya, Basque Centre for Climate Change (BC3); Elena Paglialunga, University Roma Tre; Giorgia Sforza, University Roma Tre

Discussants:

- Elena Paglialunga, University Roma Tre
- Josiane de Sousa Ferreira, Universidade Federal de Alagoas

24. Special Session: Spatial Econometrics Association Session: Methodological issues I: spatial panel data models (Pre-Registration Required) --Thursday Nov 14 | 8:30 AM-10:00 AM | Conference D

Chair: James Lesage, Texas State University

- *Augmentation of the Arellano-Bond Estimator Covariance Matrix to a Spatial Covariance Process with an Empirical Application* Dayton Lambert, Oklahoma State University

- *Dynamic Spatial Panel Models: Networks, Common Shocks, and Sequential Exogeneity* Guido Kuersteiner, University of Maryland - College Park; Ingmar R. Prucha, University of Maryland - College Park
- *Bayesian model comparison for space-time dynamic panel models* James Lesage, Texas State University; Yao-Yu Chih, Texas State University

Discussants:

- Ingmar Prucha, University of Maryland - College Park
- James Lesage, Texas State University
- Dayton Lambert, Oklahoma State University

10:00 AM-10:30 AM

25. Coffee Break --Thursday Nov 14 | 10:00 AM-10:30 AM | Conference Level Foyer

10:30 AM-12:00 PM

26. NARSC Presidential Plenary Session --Thursday Nov 14 | 10:30 AM-12:00 PM | Urban

Chair: Neil Reid, University of Toledo

- *Network Applications in Regional Science: New Insights from Old Tools* Stephan Goetz, Pennsylvania State University

10:30 AM-12:30 PM

27. Business Meeting: LRPC Meeting --Thursday Nov 14 | 10:30 AM-12:30 PM | Parkview West

11:00 AM-12:30 PM

28. Special Session: Spatial Econometrics Association Plenary Lecture I (Pre-Registration Required) --Thursday Nov 14 | 11:00 AM-12:30 PM | Conference C

- *"Adjusted Quasi-Score Estimator of Spatial Models with Incidental Parameters* Zhenlin Yang, Singapore Management University

12:30 PM-1:30 PM

29. Lunch (On Your Own) --Thursday Nov 14 | 12:30 PM-1:30 PM |

12:30 PM-2:00 PM

30. Special Session: Spatial Econometrics Association: Presidential Address and Members Assembly (Pre-Registration Required) --Thursday Nov 14 | 12:30 PM-2:00 PM | Monongahela
Chair: Giuseppe Arbia, Università Cattolica del Sacro Cuore

1:30 PM-3:30 PM

31. Special Session: NARSC Student-Author Paper Competition --Thursday Nov 14 | 1:30 PM-3:30 PM | Carnegie I

Chair: Eduardo Haddad, University of Sao Paulo

- *Taxes, traffic jam and spillovers in the metropolis* Tidiane Ly, Università della Svizzera Italiana
- *The Political Economy of Historic Districts: The Private, the Public, and the Collective* Yang Zhou, West Virginia University
- *Impact of "Must-access" Prescription Drug Monitoring Program on Prescription Opioid Overdose Deathrate* Shishir Shakya, West Virginia University
- *How Do Public Universities Decide on Enrollments?: Quantity or Quality* Nattanicha Chairassamee, Ohio State University; Oudom Hean, Ohio State University

32. No Session --Thursday Nov 14 | 1:30 PM-3:30 PM | Carnegie III

33. No Session --Thursday Nov 14 | 1:30 PM-3:30 PM | Conference A

34. Special Session: REAL, 30 Years: Challenges in Urban Areas and Urban Systems --Thursday Nov 14 | 1:30 PM-3:30 PM | Frick

Chair: Sandy Dall'Erba, University of Illinois

- *Total Factor Productivity for Mexican cities using stochastic frontier models* Rafael Garduño-Rivera, Universidad Panamericana; Hector NunezAmortegui,
- *Understanding Heterogeneous Spatial Production Externalities as the Connection between Land-use Planning and Economic Development* Haozhi Pan, University of Illinois at Urbana Champaign; Tianren Yang, University of Cambridge; Geoffrey Hewings, REAL
- *Spatial and Human Factors that Structure the Complexity of Urban Systems. The evidence of the American System of Cities.* Tomaz Dentinho, University of Azores
- *The Larger the City, the Higher the Wages? The Effects of Agglomeration Economies on Wage Gaps in Southern Brazil* Laura Calvi Gomes, Universidade Federal do Paraná; Mauricio Vaz Lobo Bittencourt, Universidade Federal do Paraná; Alexandre Porsse, Federal University of Paraná, Brazil

Discussants:

- Haozhi Pan, University of Illinois at Urbana Champaign
- Tomaz Dentinho, University of the Azores
- Laura Calvi Gomes, Universidade Federal do Paraná
- Rafael Garduño-Rivera, Universidad Panamericana

35. Formal Paper Session: Environmental Issues II --Thursday Nov 14 | 1:30 PM-3:30 PM | Carnegie II

Chair: Sungtae Eun, Texas Tech University

- *The Trend of Greenhouse Gas Emission in Japan -- The Great East Japan Earthquake* Sungtae Eun, Texas Tech University
- *Economic Vulnerability and Regional Implications of a Low Carbon-Emissions Future* David Fleming, Commonwealth Scientific and Industrial Research Organisation, Australia
- *Finding Optimal Control Measures for Invasive Species at the Local Level: a Case of Pine Wilt Disease in South Korea* Jaehyun Kim, Seoul National University; Donghwan An, Seoul National University; Kwansoo Kim, Seoul National University
- *Scenic Area Tourism Vulnerability and Recovery Planning of Regional Spatial Development: A Case Study of Jiuzhaigou, Sichuan, Manlan China* Chi-Tung Hung, Ming Chuan University; Wen-Yen Lin, Ming Chuan University; Wei-Chieh Huang, Ming Chuan University

Discussants:

- Jaehyun Kim, Seoul National University
- Sungtae Eun, Texas Tech University
- Chi-Tung Hung, Ming Chuan University
- David Fleming, Commonwealth Scientific and Industrial Research Organisation, Australia

36. Formal Paper Session: Regional and Rural Development II: Finance & Location --Thursday Nov 14 | 1:30 PM-3:30 PM | Conference B

Organizers: Sarah Low, University of Missouri; Stephan Weiler, Colorado State University

Chair: Stephan Weiler, Colorado State University

- *Local public finance and revealed preferences: Inferred well-being in US cities* Dylan Jong, University of Groningen; Philip McCann, Sheffield University; Viktor Venhorst, University of Groningen
- *It's a Wonderful Loan: Community Banking and Regional Economic Resilience* Luke Petach, Belmont University; Tessa Conroy, University of Wisconsin - Madison; Jacob Moore, University of Oxford; Stephan Weiler, Colorado State University
- *Effects of Micro Loans on Establishment Dynamics: Evidence from CDFI Loans* Anil Rupasingha, USDA Economic Research Service

- *The Impacts of Industrial Diversity, Institutional Capital Access, and Establishment "Churn" on the Expansion of Existing Firms* Chad Christenson, University of Wisconsin - Madison

Discussants:

- Chad Christenson, University of Wisconsin - Madison
- Dylan Jong, University of Groningen
- Luke Petach, Belmont University
- Anil Rupasingha, USDA Economic Research Service

37. Formal Paper Session: International Trade I --Thursday Nov 14 | 1:30 PM-3:30 PM | Heinz

Chair: Kieran Donaghy, Cornell University

- *Market response to border security: Estimating the impact of tightening border security on property values in the US Southwest border region* Haoying Wang, New Mexico Tech
- *New Globalization: Effect of Regional Integration When Firms Outsource* Jingwen Li, Cornell University
- *Regional Impacts of the Trade Integration in the G-77* Damare Afonso, Federal University of Juiz de Fora; Fernando Perobelli,; Suzana Bastos, Federal University of Juiz de Fora
- *A Circular Economy Model with International Trade in Resources, Waste, and Recycling Technologies* Kieran Donaghy, Cornell University

Discussants:

- Suzana Bastos, Federal University of Juiz de Fora
- Kieran Donaghy, Cornell University
- Haoying Wang, New Mexico Tech
- Jingwen Li, Cornell University

38. Formal Paper Session: Housing Markets I --Thursday Nov 14 | 1:30 PM-3:30 PM | Oliver

Chair: Edward Coulson, UC Irvine

- *Determinants of Multifamily Rents: a quantile regression approach* Qiong Peng, University of Maryland - College Park
- *Effects of Household Composition and Private Education Fever on Tenure and Sub-tenure Choices in Seoul, South Korea* SeongWoo Lee, Seoul National University; Taewan Kim, Seoul National University
- *Job Match and Housing Tenure Self-Selection* Edward Coulson, UC Irvine; Walter D'Lima, Old Dominion University; David Jjinkins, Copenhagen University
- *Cityscape and Building Height Regulation* Yusuke Teraji, Tezukayama University

Discussants:

- Edward Coulson, UC Irvine
- Qiong Peng, University of Maryland - College Park

- Yusuke Teraji, Tezukayama University
- SeongWoo Lee, Seoul National University

**39. Formal Paper Session: Social and Economic Impacts of Public Transportation --Thursday
Nov 14 | 1:30 PM-3:30 PM | Vandergrift**

Organizers: Eleni Bardaka, North Carolina State University; V. Dimitra Pyrialakou, West Virginia University

Chair: Eleni Bardaka, North Carolina State University

- *The Impact of Public Transport on Location Decisions and Economic Activities: The Case of the Montreal Metro.* Marie-Pier Champagne, Laval University; Jean Dubé, Laval University; Philippe Barla, Laval University
- *How does Directional Heterogeneity Affect Prices of Single-family Residences near LRT Stations?* Yue Ke, Purdue University; Konstantina Gkritza, Purdue University
- *The Capitalization of Metro Rail Access in Urban Housing Markets* Zachary Keeler, West Virginia University; Heather Stephens, West Virginia University

Discussants:

- Yue Ke, Purdue University
- Zachary Keeler, West Virginia University
- Marie-Pier Champagne, Laval University

2:00 PM-3:30 PM

40. Special Session: Spatial Econometrics Association Session: Crime and health applications (Pre-Registration Required) --Thursday Nov 14 | 2:00 PM-3:30 PM | Conference D

Chair: Henk Folmer, Groningen University

- *Homicides in Alagoas - Brazil: an spatial analysis with socioeconomic variables.* Thierry Prates, Universidade Federal Rural do Rio de Janeiro; Rhafaella Karlla Costa Santana da Silva, Universidade Federal de Alagoas; Marco Antonio Jorge, Universidade Federal de Sergipe
- *Public Policy and Reduction of Urban Criminality: An empirical analysis of Compaz in Recife neighborhoods* Tatiane Menezes, Federal University of Pernambuco Brazil; Andre Chagas, Sao Paulo State University; Rodrigo Ramos, Federal University of Pernambuco
- *Identifying clusters in disease modelling and mapping by means of Bayesian regression models with spatiotemporally varying coefficients: Methodology and application to the dengue disease in Bandung, Indonesia* I Gede Nyoman Mindra Jaya, Padjadjaran University; Henk Folmer, Groningen University

Discussants:

- Tatiane Menezes, Federal University of Pernambuco Brazil

- I Gede Nyoman Mindra Jaya, Padjadjaran University
- Thierry Prates, Universidade Federal Rural do Rio de Janeiro

41. Formal Paper Session: Spatial Econometric Session: Weight Matrix and Correlation (Pre-Registration Required) --Thursday Nov 14 | 2:00 PM-3:30 PM | Conference C

Chair: Kelley Pace, LSU

- *Semi-parameterized Three-dimensional W Matrix* Chang Tan, University of Groningen; Paul Elhorst, University of Groningen
- *Incomplete Factorizations For Computing Log-Determinants and Other Matrix Functions* Kelley Pace, LSU; James Lesage, Texas State University
- *Some Useful Details about Indices of Spatial Autocorrelation* Daniel Griffith, University Of Texas At Dallas; Yongwan Chun, U. of Texas at Dallas

Discussants:

- Kelley Pace, LSU
- Yongwan Chun, U. of Texas at Dallas
- Chang Tan, University of Groningen

3:30 PM-4:00 PM

42. Coffee Break --Thursday Nov 14 | 3:30 PM-4:00 PM | Conference Level Foyer (Coffee Break Sponsored by John Wiley and Sons)

4:00 PM-6:00 PM

43. Special Session: Regional Science Academy Special Academic Session (SAS): "In the Footsteps of Walter Isard" --Thursday Nov 14 | 4:00 PM-6:00 PM | Carnegie III

Organizers: Peter Nijkamp, Jheronimus Academy of Data Science; Karima Kourtit, Jheronimus Academy of Data Science; Peter Batey, University of Liverpool

Chair: Peter Nijkamp, Jheronimus Academy of Data Science

- *Tourists as Money and Innovation Carriers in Destination Places* Peter Nijkamp, Jheronimus Academy of Data Science
- *Urban Empires from a Cultural Perspective in Social Media Context* Karima Kourtit, Jheronimus Academy of Data Science; Edward Glaeser, Harvard University
- *Great Minds Lecture on the Scientific Significance of Francois Perroux* Andre Torre, University Paris-Saclay, INRA, AgroParistech
- *EX LIBRIS: Isard's Channels of Synthesis* Michael L. Lahr, Rutgers University

44. Regional Science Policy and Practice - Plenary Session --Thursday Nov 14 | 4:00 PM-6:00 PM | Conference A

Chair: Tomaz Dentinho, University of the Azores

- *The US Housing Market: Where Have We Been, Where Will We Go* Ralph McLaughlin, CoreLogic

45. Formal Paper Session: Transportation and Housing --Thursday Nov 14 | 4:00 PM-6:00 PM | Heinz

Chair: Regina Lin, Harbin Institute of Tech. (Shenzhen)

- *Influence of Transportation, Public Facilities and District Environment on Housing Prices* Peng Wang, Jinan University; Xiaoyan Lin, Jinan University
- *Rural Affordable Housing Issues in the United States* Tyler Morin, The Ohio State University
- *The spatial influence of urban transportation and social infrastructures on economic development in China* Regina Lin, Harbin Institute of Tech. (Shenzhen); Junyang Liu, Harbin Institute of Technology (Shenzhen)
- *Disamenity or a Signal of Competence, The Local Political Economy of Road Maintenance* Ben Blemings, West Virginia University; Margaret Bock, West Virginia University

Discussants:

- Ben Blemings, West Virginia University
- Peng Wang, Jinan University
- Tyler Morin, The Ohio State University
- Regina Lin, Harbin Institute of Tech. (Shenzhen)

46. Special Session: NARSC Student Led Paper Competition I --Thursday Nov 14 | 4:00 PM-6:00 PM | Vandergrift

Chair: Isabelle Nilsson, University of North Carolina at Charlotte

- *Measuring the Process of Urban Gentrification: A Composite Measurement of the Gentrification Process in Toronto* Jason Hawkins, University of Toronto
- *Mapping Multivariate Neighborhood Trajectories: Functional Data Analysis Approach* Paul Jung, University of North Carolina - Charlotte; Jun Song, University of North Carolina - Charlotte
- *Do Regional Social Capital and Trust Matter for Immigrant Diversity and Wages?* Silje Haus-Reve, University of Stavanger; Abigail Cooke, SUNY - Buffalo
- *Offshore, Re-shore, Re-offshore: what has been happening to Global Manufacturing Location between 2000 and 2014?* Xiang GAO, Chinese Academy of Sciences; Geoffrey Hewings,; Cuihong Yang, Chinese Academy of Sciences

47. Special Session: Spatial Econometrics Association Session: Methodological Issues II, Spatial Models (Pre-Registration Required) --Thursday Nov 14 | 4:00 PM-6:00 PM | Conference C

Chair: Gary Cornwall, Bureau of Economic Analysis

- *Spatial seemingly unrelated regression model combined with compositional data analysis approach* Takahiro Yoshida, National Institute for Environmental Studies
- *Estimation and Inference in Spatial Models with Dominant Units* Hashem Pesaran, University of Southern California; Cynthia Yang, Florida State University
- *Sieve IV Estimation of Cross-Sectional Interaction Models with Nonparametric Endogenous Effect* Tadao Hoshino, Waseda University
- *Indirect Effects and Causal Inference: Reconsidering Regression Discontinuity Design* Gary Cornwall, Bureau of Economic Analysis; Beau Sauley, University of Cincinnati

Discussants:

- Hashem Pesaran, University of Southern California
- Tadao Hoshino, Waseda University
- Gary Cornwall, Bureau of Economic Analysis
- Takahiro Yoshida, National Institute for Environmental Studies

48. Special Session: Spatial Econometrics Association Session: Microeconomic and international economics applications (Pre-Registration Required) --Thursday Nov 14 | 4:00 PM-6:00 PM | Conference D

Chair: Paolo Postiglione, University of Chieti-Pescara

- *The role of R&D-intensive clusters in regional competition* Reinhold Kosfeld, University of Kassel; Timo Mitze, University of Southern Denmark
- *Spatial concentration and location patterns of economic activities* Domenica Panzera, University of Chieti-Pescara; Alfredo Cartone, University of Chieti-Pescara; Paolo Postiglione, University of Chieti-Pescara
- *Re-examining South Africa's export to African countries: A spatial gravity model approach* Kabeya Clement Mulamba, University of Johannesburg
- *Neighborhood effects in disaggregated consumption: evidence from Brazil* Denise Li, University of São Paulo; Andre Chagas, Sao Paulo State University

Discussants:

- Domenica Panzera, University of Chieti-Pescara
- Reinhold Kosfeld, University of Kassel
- Denise Li, University of São Paulo
- Kabeya Clement Mulamba, University of Johannesburg

49. Special Session: REAL, 30 Years: Urban and Regional Challenges II --Thursday Nov 14 | 4:00 PM-6:00 PM | Frick

Organizer: Sandy Dall'Erba, University of Illinois

Chair: Sandy Dall'Erba, University of Illinois

- *Universities and the Formation of Edge Cities: Evidence from China's Government-led University Town Construction* Yuan Wang, East China Normal University; Wei TANG, Shanghai University of Finance and Economics
- *Unexpected Natural Event and Local Housing Market: Evidence from Christchurch New Zealand* Yi Huang, UIUC
- *Restructuring Tax Policies: sectoral, household welfare and regional impacts in Brazil* Alexandre Porsse, Federal University of Parana, Brazil
- *(When) Does migration of displaced workers pay off?* Orsa Kekezi, Jonkoping International Business School; Ron Boschma, Utrecht University

Discussants:

- Yi Huang, UIUC
- Alexandre Porsse, Federal University of Parana, Brazil
- Orsa Kekezi, Jonkoping International Business School
- Wei TANG, Shanghai University of Finance and Economics

50. Formal Paper Session: Public Finance I --Thursday Nov 14 | 4:00 PM-6:00 PM | Carnegie I

Chair: Cynthia Rogers, University of Oklahoma

- *Revisiting the link between resource windfalls and Lazy Fiscal Collection for local mining economies in Chile* Mauricio Oyarzo, Universidad de Concepción; Dusan Paredes, Universidad Católica del Norte
- *Tax Increment Financing and School Finance in Oklahoma: Unraveling Equalization* Cynthia Rogers, University of Oklahoma; Stephen Ellis, University of Oklahoma
- *Local Governments' Participation in SIB Programs: A case of Pennsylvania municipalities* Laiyang Ke, Northeastern University; Shiqin Liu, Northeastern University
- *The Impact of Intergovernmental Grants on Innovation in Clean Energy and Energy Conservation: Evidence from the American Recovery and Reinvestment Act* William Bowen, Cleveland State University

Discussants:

- William Bowen, Cleveland State University
- Mauricio Oyarzo, Universidad de Concepción
- Cynthia Rogers, University of Oklahoma
- Laiyang Ke, Northeastern University

51. Formal Paper Session: Accessibility --Thursday Nov 14 | 4:00 PM-6:00 PM | Carnegie II
Chair: Tierra Bills, Wayne State University

- *Get to work! Job-education mismatch and spatial mismatch evidence at the intra-urban level for a developing country* Gustavo Garcia, Universidad EAFIT; David Baena, EAFIT University
- *Uber and the Value of Mass-Transit Access; Evidence from U.S. Metropolitan Housing Markets* Brian Cultice, Ohio State University; Elena Irwin, Ohio State University
- *A Study of Transportation Accessibility in Small, Low Density, Rural Cities* Tierra Bills, Wayne State University
- *Public Transit Accessibility and Income Segregation* Prottoy Akbar, University of Pittsburgh

Discussants:

- Prottoy Akbar, University of Pittsburgh
- Gustavo Garcia, Universidad EAFIT
- Brian Cultice, Ohio State University
- Tierra Bills, Wayne State University

52. Special Session: Regional and Rural Development III: The Urban/Rural Divide and Entrepreneurship --Thursday Nov 14 | 4:00 PM-6:00 PM | Conference B

Organizers: Sarah Low, University of Missouri; Stephan Weiler, Colorado State University
Chair: Peter Schaeffer, West Virginia University

- *Using Medium and Small Towns to Strengthen Urban-Rural Linkages in Nigeria* Geoffrey Nwaka, Institution
- *Informal sector activities by rural women entrepreneurs: A path for stemming rural-urban migration* Emmanuella Onyenechere, Imo State University
- *Minimum Wages and Teen Employment across the Urban Hierarchy* John Winters, Iowa State University

Discussants:

- John Winters, Iowa State University
- Geoffrey Nwaka, Institution
- Peter Schaeffer, West Virginia University

53. Formal Paper Session: Technology, Jobs, and Productivity --Thursday Nov 14 | 4:00 PM-6:00 PM | Oliver

Chair: Uwe Blien, Institut fuer Arbeitsmarkt- und Berufsforschung

- *Labour Markets, Trade and Technological Progress: A Meta-Study* Nikolaos Terzidis, Rijksuniversiteit Groningen; Steven Brakman, University of Groningen; Raquel Ortega-Argiles, University of Birmingham
- *New results on the effects of technological change on the labor market* Uwe Blien, Institut fuer Arbeitsmarkt- und Berufsforschung

- *Excess Joint Ventures with Strategic Technology Non-Adoption* Keizo Mizuno, Kwansei Gakuin University

Discussants:

- Keizo Mizuno, Kwansei Gakuin University
- Nikolaos Terzidis, Rijksuniversiteit Groningen
- Uwe Blien, Institut fuer Arbeitsmarkt- und Berufsforschung

54. Formal Paper Session: Smart and Connected Regions --Thursday Nov 14 | 4:00 PM-6:00 PM | Parkview East

Chair: Lauren McCarthy, George Mason University

- *The Optimal Provision of Information and Communication Technologies in Smart Cities* Amit Batabyal, Rochester Institute Of Technology; Hamid Beladi, University of Texas - San Antonio
- *Active travel in the autonomous vehicles' era.* Lisa Losada Rojas, Purdue University; Konstantina Gkritza, Purdue University
- *Mobility, Congestion, and Inclusion: The Case of E-Scooters* Lauren McCarthy, George Mason University; Parker Reynolds, George Mason University
- *Econometric Analysis of the Disutility from Railway Overcrowding in Tokyo* Ryosuke Matsumoto, Railway Technical Research Institute

Discussants:

- Ryosuke Matsumoto, Railway Technical Research Institute
- Amit Batabyal, Rochester Institute Of Technology
- Lisa Losada Rojas, Purdue University
- Lauren McCarthy, George Mason University

55. Formal Paper Session: Industrial Structure and Dynamics I --Thursday Nov 14 | 4:00 PM-6:00 PM | Phipps

Chair: Paul Gottlieb, Rutgers University

- *Groups of Regional Industry Drivers in Northeast Ohio* Iryna Lendel, Cleveland State University; Merissa Piazza, Cleveland State University; Iryna Demko, Cleveland State University
- *Agglomeration Patterns of Peruvian Agriculture-related Industries: A Distance-Based Approach* Pedro Herrera Catalán, Universidad Autónoma de Madrid
- *Sippin' Suds or Smokin' Buds: Potential Competition and Collaboration between Craft Beer and Recreational Cannabis* Matthew Lehnert, University of Toledo
- *The Relationship Between Innovative Business Practices and Geographic Clustering for a Large Sample of US Agricultural Commodities* Paul D Gottlieb, Rutgers University; Stephan Goetz, Pennsylvania State University; Neil Reid, University of Toledo; Andy Hira, Simon Fraser University; Elizabeth Dobis, Pennsylvania State University; Zheng Tian, Pennsylvania State University

Discussants:

- Paul D Gottlieb, Rutgers University
- Iryna Lendel, Cleveland State University
- Pedro Herrera Catalán, Universidad Autónoma de Madrid
- Matthew Lehnert, University of Toledo

6:30 PM-8:00 PM

56. Thursday Evening Reception --Thursday Nov 14 | 6:30 PM-8:00 PM | Urban

Friday, 15 November

7:30 AM-8:30 AM

57. Coffee --Friday Nov 15 | 7:30 AM-8:30 AM | Conference Level Foyer

7:30 AM-5:30 PM

58. Registration and Exhibits: Registration and Exhibits --Friday Nov 15 | 7:30 AM-5:30 PM | Conference Level Foyer

8:00 AM-10:00 AM

59. Formal Paper Session: Inequality I --Friday Nov 15 | 8:00 AM-10:00 AM | Heinz

Chair: Fabio Mazzola, University of Palermo

- *Discriminatively Redistributive Policy and Regional dynamics in a Dual Economy* Tohru Naito, Doshisha University
- *The regional impact of fiscal and cohesion policies in economic downturns: Evidence from European countries* Davide Furceri, University of Palermo; Fabio Mazzola, University of Palermo; Pietro Pizzuto, University of Palermo
- *Trends of Spatial Inequality in Megaregions: A comparison across US, China and Europe* Ziqi Liu, The University of Texas at Austin; Ming Zhang, the University of Texas at Austin
- *Smart Cities and urban inequality* Andrea Caragliu, Politecnico di Milano; Chiara Del Bo, Università degli Studi di Milano

Discussants:

- Ziqi Liu, The University of Texas at Austin
- Tohru Naito, Doshisha University
- Andrea Caragliu, Politecnico di Milano
- Fabio Mazzola, University of Palermo

60. Special Session: REAL, 30 Years: Input-Output --Friday Nov 15 | 8:00 AM-10:00 AM | Conference A

Organizer: Sandy Dall'Erba, University of Illinois

Chair: Geoffrey Hewings, REAL

- *What factors drive the savings in the amount of water used in the U.S. agriculture?* Sandy Dall'Erba, University of Illinois; Andre Avelino, Nrel
- *Intraregional trade estimates for goods-producing industries: Tests of RPC estimates using EU data* Michael L. Lahr, Rutgers University; João Pedro Ferreira, University of Coimbra; Johannes Többen, Norwegian University of Science and Technology
- *Survey based versus non-survey based Multi-Regional Input-Output Tables -- the case of Austria* Bartłomiej Rokicki, University of Warsaw; Oliver Fritz, Austrian Institute of Economic Research; Geoffrey Hewings,; Jonathan Horridge,
- *Analyzing Border Effect between South Korea and North Korea Using Multinational Trade Models* Euijune Kim, Seoul National University; Byula Kim, Seoul National University; Hojun Lee, Seoul National University

Discussants:

- Euijune Kim, Seoul National University
- Oliver Fritz, Austrian Institute of Economic Research
- Michael Lahr, Rutgers University
- Bartłomiej Rokicki, University of Warsaw

61. Formal Paper Session: Transportation disadvantage and access to employment --Friday Nov 15 | 8:00 AM-10:00 AM | Carnegie I

Organizers: Eleni Bardaka, North Carolina State University; V. Dimitra Pyrialakou, West Virginia University

Chair: Eleni Bardaka, North Carolina State University

- *Suburbanization of Poverty, Transport Disadvantage, and Activity Participation in Toronto* Jeff Allen, University of Toronto; Steven Farber, University of Toronto - Scarborough
- *Suburbanization of Poverty and Changes in Public Transportation Accessibility in the Triangle Region, North Carolina* Chang Liu, North Carolina State University; Eleni Bardaka, North Carolina State University
- *Accessibility to Diversity of Jobs in Indiana* Davis Chacon-Hurtado, University of Connecticut; Indraneel Kumar, Purdue University; Konstantina Gkritza, Purdue University; Jon Fricker, Purdue University
- *Social Housing Location and Formal Labor Market Accessibility: Evidence from a Brazilian Lottery* Tainá Pacheco, FGV EAESP; Ciro Biderman, Getúlio Vargas Foundation

Discussants:

- Tainá Pacheco, FGV EAESP

- Davis Chacon-Hurtado, University of Connecticut
- Jeff Allen, University of Toronto
- Chang Liu, North Carolina State University

62. Formal Paper Session: Small Businesses, Start-Ups, and Regions --Friday Nov 15 | 8:00 AM-10:00 AM | Carnegie II

Chair: Shiqin Liu, Northeastern University

- *The Innovation and Employment Effect of SBIR in Small and Non-Metro Counties* Shiqin Liu, Northeastern University
- *Does Cultural Fractionalization Impede Venture Capital Investment: Evidence from Dialectal Diversity in China* Yue Hua, Hunan University
- *The effects of state and local economic incentives on business start-ups in the U.S.: County-level evidence* Mark D. Partridge, Ohio State University; Sydney Schreiner, The Ohio State University; Alexandra Tsvetkova, Organisation for Economic Co-operation and Development; Carlianne Patrick, Georgia State University
- *Entrepreneurial ecosystems or innovation systems? Regional contexts for innovative capacity building of high-tech start-ups versus incumbent firms* Wenying Fu, Northumbria University; Haifeng Qian, University of Iowa

Discussants:

- Haifeng Qian, University of Iowa
- Shiqin Liu, Northeastern University
- Yue Hua, Hunan University
- Mark D. Partridge, Ohio State University

63. Formal Paper Session: Industrial Structure and Dynamics II --Friday Nov 15 | 8:00 AM-10:00 AM | Carnegie III

Chair: Leslie Dunn, Washington & Jefferson College

- *Social inclusion and competitive insertion of the small cocoa producers of Tolima in the international markets. Global value chain analysis* Alexander Blandón López, Universidad del Tolima; Gustavo Adolfo Rubio Rodríguez, Corporación Universitaria Minuto de Dios; Janeth Gonzalez Rubio, Universidad del Tolima; Nubia Paola Ramirez Beltran, Universidad del Tolima
- *The role of powertrain sourcing in shaping the geography of North America's motor vehicle industry* Thomas Klier, Federal Reserve Bank of Chicago; James Rubenstein, Miami University
- *A State-Level Analysis of Natural Resources and Investment* Leslie Dunn, Washington & Jefferson College; Robert Dunn, Washington and Jefferson College
- *The Impacts of Transfer Payment on Industrial Agglomeration in China* Xiumin Li, Northeast Normal University

Discussants:

- Xiumin Li, Northeast Normal University
- Alexander Blandon Lopez, Universidad Del Tolima
- Thomas Klier, Federal Reserve Bank of Chicago
- Leslie Dunn, Washington & Jefferson College

64. Formal Paper Session: Urban Economic Theory --Friday Nov 15 | 8:00 AM-10:00 AM | Conference B

Chair: Amit Batabyal, Rochester Institute of Technology

- *Telecommuting technologies and equilibrium urban structure* Mitsuru Ota, University of Tsukuba
- *Can Fundamental Forces Explain Urban Spatial Expansion in China?* Bai Xiuye, Xiamen University; Fu Shihe, Xiamen University
- *Using Utilitarian and Rawlsian Policies to Attract the Creative Class: A Tale of Two Cities* Amit Batabyal, Rochester Institute of Technology; Seung Yoo, Sookmyung Women's University
- *Samuelson Meets Federalism: Local Production of a National Public Good* Jan Brueckner, University of California - Irvine; Steven Craig, University of Houston; Kangoh Lee, San Diego State University

Discussants:

- Steven Craig, University of Houston
- Mitsuru Ota, University of Tsukuba
- Bai Xiuye, Xiamen University
- Amit Batabyal, Rochester Institute of Technology

65. Formal Paper Session: Regional and Rural Development IV: Rural Amenities and Energy -- Friday Nov 15 | 8:00 AM-10:00 AM | Frick

Organizers: Sarah Low, University of Missouri; Stephan Weiler, Colorado State University

Chair: Jason Brown, Federal Reserve Bank of Kansas City

- *The Great Recession and the Demand for Natural Amenities* Timothy Jaquet, Ohio State University
- *Role of Renewable Versus Non-Renewable Energy to Economic Growth* Hwayoung Jeon, Colorado State University
- *Estimation of Impacts of Public Land Grazing Policies at the Ranch and County Level in Elko County, Nevada* Ethan Grumstrup, University of Nevada - Reno; Thomas R. Harris, University of Nevada - Reno
- *Local Economic Implications of Transitions in U.S. Power Generation* Jason Brown, Federal Reserve Bank of Kansas City

Discussants:

- Jason Brown, Federal Reserve Bank of Kansas City
- Timothy Jaquet, Ohio State University
- Amy Hagerman, Oklahoma State University
- Thomas R. Harris, University of Nevada - Reno

66. Formal Paper Session: Commuting, Labor Markets and City Systems --Friday Nov 15 | 8:00 AM-10:00 AM | Oliver

Chair: Jouke van Dijk, University of Groningen

- *People's mobility, labor market disequilibrium and rural development* Xue Zhang, Cornell University
- *Cross-border commuting between neighbouring EU-countries* Jouke van Dijk, University of Groningen
- *Household transportation expenditures in developing countries: Evidence on the effect of urban land use change from Pakistan* Ammar A. Malik, Harvard University; Edmund Zolnik, George Mason University; Omar Riaz, University of Sargodha

Discussants:

- Ammar Malik, Harvard University
- Xue Zhang, Cornell University
- Jouke van Dijk, University of Groningen

67. Formal Paper Session: Residential Mobility and Location Choice --Friday Nov 15 | 8:00 AM-10:00 AM | Parkview East

Organizers: Esteban Lopez, Universidad Adolfo Ibanez; Isabelle Nilsson, University of North Carolina at Charlotte

Chair: Esteban Lopez, Universidad Adolfo Ibanez

- *Labour mobility in Great Britain: What's the impact on regional earnings?* Carolin Ioramashvili, London School of Economics
- *College Education and Internal Migration in China* Xiaozhou Ding, University of Kentucky
- *Transit-Oriented Development and Housing Displacement: The case of the Chicago Red Line extension* Esteban Lopez, Universidad Adolfo Ibanez; Dwayne Baker, City University of New York; Andrew Greenlee, University of Illinois - Urbana-Champaign

Discussants:

- Xiaozhou Ding, University of Kentucky
- Esteban Lopez, Universidad Adolfo Ibanez
- Carolin Ioramashvili, London School of Economics

68. Formal Paper Session: Human Capital I --Friday Nov 15 | 8:00 AM-10:00 AM | Phipps

Chair: Bonnie Bounds, The Ohio State University

- *Migration, Education and Urban Divergence: Evidence from U.S. Patents* Oudom Hean, Ohio State University; Nattanicha Chairassamee, Ohio State University; Mark D. Partridge, Ohio State University
- *Disentangling the causes of the spatial differences in the wage gap: amenities and knowledge spillovers* Victor Iturra, Universidad Catolica del Norte; Rodrigo Perez-Silva, Universidad Mayor; Gustavo Ahumada, Universidad Catolica del Norte
- *Gender Polarity in US Educational Attainment* Bonnie Bounds, The Ohio State University
- *The Evolving Geography of STEM Occupations: Increasing Geographic Concentration or Emerging Spatial Diffusion?* Matt Kures, University of Wisconsin-Madison

Discussants:

- Matt Kures, University of Wisconsin-Madison
- Oudom Hean, Ohio State University
- Victor Iturra, Universidad Catolica del Norte
- Bonnie Bounds, The Ohio State University

69. Formal Paper Session: Industry Clusters in Production Agriculture: General methods and case studies --Friday Nov 15 | 8:00 AM-10:00 AM | Vandergrift

Organizer: Paul D Gottlieb, Rutgers University

Chair: Neil Reid, University of Toledo

- *Detecting Agricultural Clusters with the Spatial-IO Location Quotient* Zheng Tian, Pennsylvania State University; Paul Gottlieb, Rutgers University; Elizabeth Dobis, Pennsylvania State University; Andy Hira, Simon Fraser University; Neil Reid, University of Toledo; Stephan Goetz, Pennsylvania State University
- *Identifying Best Practices for Fostering Collaboration in Agricultural Clusters* Neil Reid, University Of Toledo
- *Trends in the Co-location of Grapes and Wineries vs Hops and Breweries: 2002 TO 2017* Elizabeth Dobis, Pennsylvania State University; Neil Reid, University Of Toledo; Andy Hira, Simon Fraser University; Paul D Gottlieb, Rutgers University; Stephan Goetz, Pennsylvania State University
- *Thoroughbred stallions and their role in the geography of equine clusters* Paul D Gottlieb, Rutgers University; Karyn Malinowski, Rutgers University; Jennifer Weinert, Rutgers University; Elizabeth Dobis, Pennsylvania State University

Discussants:

- Paul D Gottlieb, Rutgers University
- Zheng Tian, Pennsylvania State University
- Neil Reid, University Of Toledo
- Elizabeth Dobis, Pennsylvania State University

8:30 AM-10:00 AM

70. Special Session: Spatial Econometrics Association Session: Transport, Education, and Mobility (Pre-Registration Required) --Friday Nov 15 | 8:30 AM-10:00 AM | Conference C

Chair: Paul Elhorst, University of Groningen

- *Car Traffic, Habit Persistence, Cross-Sectional Dependence, and Spatial Heterogeneity: New Insights using French Departmental Data* Paul Elhorst, University of Groningen; Alain Pirotte, University of Paris I Panthéon-Sorbonne; Jean-Loup Madre, IFSTTAR-DEST, France
- *How the Evolution of Public Transit Accessibility Will Influence Housing Affordability, Firm Stocks and Nightlife: Empirical Evidence from Beijing during 2012-2014* Yixin Zhang, World Bank; Tianyi Fan, Massachusetts Institute of Technology
- *Public transportation's effect on the housing market: Evidence from the Cincinnati streetcar* Beau Sauley, University of Cincinnati

Discussants:

- Yixin Zhang, World Bank
- Beau Sauley, University of Cincinnati
- Paul Elhorst, University of Groningen

71. Special Session: Spatial Econometrics Session: Models for Networks (Pre-Registration Required) --Friday Nov 15 | 8:30 AM-10:00 AM | Conference D

Chair: Olivier Parent, University of Cincinnati

- *A Structural Model for the Coevolution of Networks and Behavior* Chih-Sheng Hsieh, Chinese University of Hong Kong; Michael Konig, VU Amsterdam; Xiaodong Liu, University of Colorado Boulder
- *Estimation of a Social Interaction Model with Endogenous Network Formation* Olivier Parent, University of Cincinnati; Huibin Weng, University of Cincinnati
- *Peer Effects on Students' Academic Performance with Endogenous Friendship Structure Formation* Huibin Weng, University of Cincinnati

Discussants:

- Olivier Parent, University of Cincinnati
- Huibin Weng, University of Cincinnati
- Chih-Sheng Hsieh, Chinese University of Hong Kong

10:00 AM-10:30 AM

72. Coffee Break --Friday Nov 15 | 10:00 AM-10:30 AM | Conference Level Foyer

10:30 AM-12:30 PM

73. Journal of Regional Science - Plenary Session --Friday Nov 15 | 10:30 AM-12:30 PM | Conference A

Organizers: Steven Brakman, University of Groningen; Edward Coulson, UC Irvine; Alessandra Faggian, Gran Sasso Science Institute; Yasusada Murata, Nihon University

Chair: Steven Brakman, University of Groningen

- *Building-Height Regulation: Effects and Measurement of Stringency* Jan Brueckner, University of California - Irvine
- *Regional Industrial Genesis* Maryann Feldman, University of North Carolina

Discussants:

- Dan McMillen, University of Illinois at Chicago
- Mark D. Partridge, Ohio State University

74. Poster Session --Friday Nov 15 | 10:30 AM-12:30 PM | Conference Level Foyer_

- *Empirical Verification of the Gibrat Law for the cities of the Central American Common Market (MCCA-RD). An approach based on Panel Data.* Jorge Alberto Aragon, Universidade Federal de Rio Grande (FURG); Vivian dos Santos Queiroz Orellana, Federal University of Rio Grande do Sul (UFRGS)

75. Special Session: Location and Spatial Analysis I --Friday Nov 15 | 10:30 AM-12:30 PM | Conference B

Organizers: Alan Murray, University of California - Santa Barbara; Ran Wei, University of California, Riverside

Chair: Alan Murray, University of California - Santa Barbara

- *Ignoring the Obvious: what about close-to-optimal solutions in spatial optimization?* Rick Church, University Of California At Santa Barbara
- *Evaluation of Heuristics for the P-Median Problem: Spatial Demand Distribution and Size* Harsha Gwalani, University of North Texas; Chetan Tiwari, University of North Texas; Armin Mikler, University of North Texas
- *Continuous Approximation Model for Facility Location of Truck Platooning* Daisuke Watanabe, Tokyo Univ. of Marine Science and Technology

Discussants:

- Joy Bhadury, Radford University
- Timothy Matisziw, University of Missouri
- Hyun Kim, University of Tennessee

76. Special Session: Early Child Conditions and Development I --Friday Nov 15 | 10:30 AM-12:30 PM | Heinz

Organizer: Flavia Chein, Federal University of Juiz de Fora - Brazil

Chair: Flavia Chein, Federal University of Juiz de Fora - Brazil

- *The Impacts of Early-Life Exposure to Droughts and Hot Temperatures on Adult Earnings in a Developing Country* Daniel DaMata, Sao Paulo School of Economics (FGV/EESP); Rodrigo Soares, Columbia University; Edson Severnini, Carnegie Mellon University
- *Family Arrangements, Prenatal Care and Health in the Early Childhood* Clarissa Benatti, Federal University of Juiz de Fora; Flavia Chein, Federal University of Juiz de Fora - Brazil; Ana Carolina Maia, University of São Paulo
- *How the Boll Weevil Left Southerners Richer and Better Educated* Ethan Schmick, Washington & Jefferson College; Werner Troesken, University of Pittsburgh; Karen Clay, Carnegie Mellon University

Discussants:

- Ethan Schmick, Washington & Jefferson College
- Daniel DaMata, Sao Paulo School of Economics (FGV/EESP)
- Clarissa Benatti, Federal University of Juiz de Fora

77. Formal Paper Session: Environmental Issues III --Friday Nov 15 | 10:30 AM-12:30 PM | Carnegie I

Chair: Karina Sass, University of São Paulo

- *An Economic Evaluation of Climate Change Effect on Urban Flood Damage: the Case of Seoul, Korea* Kihwan Yu, Seoul National University; Donghwan An, Seoul National University; Kwansoo Kim, Seoul National University
- *Extraction, Analysis and Simulation of Climate Change patterns* Ather Ashraf, University of Punjab; Iqra Naz Raja, University of Punjab
- *Assessing the impacts of urban expansion and climate change on water demand of a megacity* Karina Simone Sass, University of São Paulo; Eduardo Haddad, University of Sao Paulo

Discussants:

- Ather Ashraf, University of Punjab
- Karina Sass, University of São Paulo
- Kihwan Yu, Seoul National University

78. Formal Paper Session: Human Capital II --Friday Nov 15 | 10:30 AM-12:30 PM | Carnegie II

Chair: Yasuyuki Nishigaki, Ryukoku University

- *Will the Regional Concentration of Tertiary Education Persist? The Case of Europe in a Period of Rising Participation* Marcello Graziano, Central Michigan University; Kristinn

Hermannsson, University of Glasgow; Rosario Scandurra, Universitat Autònoma Barcelona

- *Comparing College Wage Premiums across Geographic Areas* John Winters, Iowa State University
- *Human Capital Accumulation, Economic Growth, and Income Distribution Effects of Consumption Tax: An Analysis using an Endogenous Economic Growth Model* Ling Ling Sun, Ryukoku University; Yasuyuki Nishigaki, Ryukoku University
- *Ideas on Tap: Alcohol Establishments and Entrepreneurship in Sweden* Kevin Credit, University of Chicago; Orsa Kekezi, Jonkoping International Business School; Charlotta Mellander, Jönköping International Business School

Discussants:

- Yasuyuki Nishigaki, Ryukoku University
- Kevin Credit, University of Chicago
- Marcello Graziano, Central Michigan University
- John Winters, Iowa State University

79. Formal Paper Session: Industrial Structure and Dynamics III --Friday Nov 15 | 10:30 AM-12:30 PM | Carnegie III

Chair: Simone Grabner, Gran Sasso Science Institute

- *Productivity Growth in Chinese Cities: The Agglomeration Effect for Cross-Regional Industrial Structures* Fa-Hsiang Chang, Wenzhou Kean University
- *Construction Sector Productivity--An International Comparison* Weitzman Nagar, Individual. previously Bank of Israel
- *Can Trade Network Dependency Explain the Compensation-Productivity Gap?* Alicia Plemmons, Southern Illinois University Edwardsville; Shishir Shakya, West Virginia University
- *The Great Recession and Industrial Resilience in the United States* Simone Grabner, Gran Sasso Science Institute; Marco Modica, Gran Sasso Science Institute

Discussants:

- Simone Grabner, Gran Sasso Science Institute
- Fa-Hsiang Chang, Wenzhou Kean University
- weitzman nagar, Individual. previously Bank of Israel
- Alicia Plemmons, Southern Illinois University Edwardsville

80. Formal Paper Session: Urban Productivity --Friday Nov 15 | 10:30 AM-12:30 PM | Conference D

Chair: Jacob Moore, University of Oxford

- *Great Divide: Effects of Urban Productivity Growth in Non-Urban Regions* Jacob Moore, University of Oxford

- *City Size, Spatial Spillover and Productivity: Evidence from Chinese Cities* Yan Cen, Northeast Normal University; Xiumin Li, Northeast Normal University; Yuanzhe He, Northeast Normal University
- *Urban productivity effects of quality of government in a decentralised context* Dylan Jong, University of Groningen; Alexander Lembcke, Organisation for Economic Co-operation and Development; Rudiger Ahrend, Organisation for Economic Co-operation and Development; Alexandra Tsvetkova, Organisation for Economic Co-operation and Development
- *URBAN FORM AND PRODUCTIVITY: WHAT SHAPES ARE LATIN-AMERICAN CITIES?* Juan C. Duque, RiSE-group. EAFIT University; Nancy Lozano-Gracia, World Bank; Jorge E. Patino, EAFIT University; Paula Restrepo, World Bank

Discussants:

- Juan C. Duque, RiSE-group. EAFIT University
- Jacob Moore, University of Oxford
- Yan Cen, Northeast Normal University
- Dylan Jong, University of Groningen

81. Formal Paper Session: Regional and Rural Development V: Housing and Health --Friday Nov 15 | 10:30 AM-12:30 PM | Frick

Organizers: Sarah Low, University of Missouri; Stephan Weiler, Colorado State University

Chair: Nicholas Kacher, Scripps College

- *Demand Thresholds of Health Care Services* Anders Van Sandt, Texas A&M University; Craig Carpenter, Texas A&M University; Rebekka Dudensing, Texas A&M University; Scott Loveridge, Michigan State University
- *The Role of Hospitals in Rural Economic and Community Development* Kelly Edmiston, Federal Reserve Bank of Kansas City; Tami Gurley-Calvez, University of Kansas Medical Center
- *Filtering to Affordable: The State of the National Apartment Stock as it Ages* Andrew Mueller, University of Denver; Tom PlaHovinsak, Longwood University; Lauren Terschan, Federal Reserve Bank of Atlanta
- *Boon or Burden? Evaluating the Competing Effects of House Price Shocks on Regional Entrepreneurship* Nicholas Kacher, Scripps College; Luke Petach, Belmont University

Discussants:

- Kelly Edmiston, Federal Reserve Bank of Kansas City
- Anders Van Sandt, Texas A&M University
- Nicholas Kacher, Scripps College
- Andrew Mueller, University of Denver

82. Formal Paper Session: Transportation II --Friday Nov 15 | 10:30 AM-12:30 PM | Oliver

Chair: Margaret Bock, West Virginia University

- *Per-flight and per-passenger congestion pricing when airline quality differs* Xi Wan, Nanjing Audit University
- *The Causal Effect of High Occupancy Vehicle Lanes on Commuting Times in California* Margaret Bock, West Virginia University
- *Congestion Costs and Urban Concentration: The case of Chile* Esteban Lopez, Universidad Adolfo Ibanez; Patricio Aroca, CEPR- Universidad Adolfo Ibanez; Felipe Morales, Universidad Adolfo Ibanez
- *A Hierarchical Central Place System Endogenously Determined by Transport Complexity and Exchange* Jose Saenz Zapata, Chamber of Commerce of the Cartagena; Nestor Garza Puentes, California State University

Discussants:

- Esteban Lopez, Universidad Adolfo Ibanez
- Xi Wan, Nanjing Audit University
- Jose Saenz Zapata, Chamber of Commerce of the Cartagena
- Margaret Bock, West Virginia University

83. Formal Paper Session: Labor Markets II --Friday Nov 15 | 10:30 AM-12:30 PM | Parkview East

Chair: Amanda Weinstein, University of Akron

- *Informal jobs, sample selection and urban wage premium in Brazil: evidence from 2012 to 2018* Eloiza Regina Ferreira de Almeida, Federal University of São Paulo; Veneziano de Castro Araujo, Federal University of São Paulo; Solange Ledi Gonçalves, Federal University of São Paulo
- *Effects of Regional Unemployment on Wages in Vietnam* Uwe Blien, Institut fuer Arbeitsmarkt- und Berufsforschung
- *The Impact of Military Service on Intergenerational Mobility* Amanda Weinstein, University of Akron; Francesco Renna, University of Akron
- *Long-Term Effects of Conditional Cash Transfers on Children: The Brazilian Case* Gabriel Lyrio de Oliveira, University of Sao Paulo; Andre Chagas, Sao Paulo State University

Discussants:

- Uwe Blien, Institut fuer Arbeitsmarkt- und Berufsforschung
- Gabriel Lyrio de Oliveira, University of Sao Paulo
- Eloiza Almeida, Federal University of São Paulo
- Amanda Weinstein, University of Akron

84. Formal Paper Session: Regional/Spatial Aspects of the Opioid Crisis I --Friday Nov 15 / 10:30 AM-12:30 PM | Phipps

Organizer: Brian Cushing, West Virginia University

Chair: Barbara Blake, Old Dominion University

- *More work, more pain? Evidence from purchases and sales data.* Isabel Musse, University of Illinois
- *Understanding the Effect of State Prescription Drug Monitoring Programs on Local Opioid Mortality* Devon Meadowcroft, Pennsylvania State University; David Peters, Iowa State University; Brian Whitacre, Oklahoma State University
- *Rural risk environments, opioid-related overdose, and infectious diseases: a multidimensional, spatial perspective* Marynia Kolak, University of Chicago; Yen-Tyng Chen, University of Chicago Medicine; Sam Joyce, University of Chicago; Kaitlin Ellis, University of Chicago Pritzker School of Medicine; Kali Defever, University of Chicago Medicine; Colleen McLuckie, University of Illinois at Chicago; Sam Friedman, New York University; Mai Pho, University of Chicago Medicine
- *Regional Impacts of Prescription Drug Monitoring Programs (PDMPs) on U.S. Drug Overdose Deaths* Elham Erfanian, West Virginia University; Juan Tomas Sayago Gomez, Universidad Icesi; Brian Cushing, West Virginia University

Discussants:

- Julie Marshall, Appalachian Regional Commission
- Mark Schweitzer, Federal Reserve Bank of Cleveland
- Juan Sayago Gomez, Universidad Icesi
- David Peters, Iowa State University

85. Formal Paper Session: Regional Issues in Water Resources --Friday Nov 15 / 10:30 AM-12:30 PM | Vandergrift

Organizers: Elizabeth Mack, Michigan State University; Amanda Ross, University of Alabama

Chair: Amanda Ross, University of Alabama

- *Regional Changes in Crop Production and Irrigation under Climate Change: An Ex-ante Analysis of Tennessee Basin Row Crop Production* Lixia Lambert, Oklahoma State University; Burton English, University of Tennessee; Christopher Clark, University of Tennessee; Aaron Smith, University of Tennessee; Thanos Papanicolaou, University of Tennessee; Chad Hellwinckel, University of Tennessee; Christopher Boyer, University of Tennessee; Dayton Lambert, Oklahoma State University
- *A socio-environmental synthesis of the linkages between water scarcity induced conflict and land use/land cover change in Africa to enhance multi-scalar decision making* Amanda Ross, University of Alabama; Elizabeth Mack, Michigan State University; Erin Bunting, Michigan State University
- *Household Expenditure Change and Cascading Effects as a Result of Increasing Costs of Water Services* Laura Medwid, Michigan State University; Elizabeth Mack, Michigan State University

- *Perceptions of Water Affordability* Elizabeth Mack, Michigan State University; Michelle Church,

Discussants:

- Elizabeth Mack, Michigan State University
- Lixia Lambert, Oklahoma State University
- Amanda Ross, University of Alabama
- Laura Medwid, Michigan State University

11:00 AM-12:30 PM

86. *Special Session: Spatial Econometrics Association Plenary Lecture II (Pre-Registration Required) --Friday Nov 15 | 11:00 AM-12:30 PM | Conference C*

- *Estimation and Inference for Spatial Models with Heterogeneous Coefficients* Natalia Bailey, Monash University; Michele Aquaro, European Commission; Hashem Pesaran, University of Southern California

12:30 PM-1:30 PM

87. Lunch (On Your Own) --Friday Nov 15 | 12:30 PM-1:30 PM

12:30 PM-2:00 PM

88. *Business Meeting: SRSA Business Meeting (Invitation Only) --Friday Nov 15 | 12:30 PM-2:00 PM | Parkview East*

Chair: Dayton Lambert, Oklahoma State University

12:30 PM-2:30 PM

89. *Business Meeting: RSAI Council Meeting --Friday Nov 15 | 12:30 PM-2:30 PM | Parkview West*

Chair: Mark D. Partridge, Ohio State University

90. *RSAl Fellows Luncheon (Invitation Only) --Friday Nov 15 | 12:30 PM-2:30 PM | The Terrace Room*

1:30 PM-3:30 PM

91. *Formal Paper Session: Human Capital, Labor, and Transportation --Friday Nov 15 | 1:30 PM-3:30 PM | Heinz*

Chair: Maria Figueroa-Armijos, American University

- *What's Art Got to Do with It: Do Creative Hobbies Make STEM Workers More Inventive?* Timothy R Wojan, USDA ERS; Bonnie Nichols, National Endowment for the Arts; Peter Lenz, DStillery; Timothy Slaper, Indiana University
- *The Fall of the Labour Share and the Rise of the Superstar Region? Earnings and labour share in UK regions* Carolin Ioramashvili, London School of Economics
- *Public Policy or Venture Capital for Women's Entrepreneurship? Financial strategies adopted by women business owners by U.S. region* Maria Figueroa-Armijos, American University
- *The Dual-earner Households and Gender Gap in Commuting Time* Annie Lee, Rutgers, The State University of New Jersey

Discussants:

- Carolin Ioramashvili, London School of Economics
- Maria Figueroa-Armijos, American University
- Annie Lee, Rutgers, The State University of New Jersey
- Timothy R Wojan, USDA ERS

92. Special Session: NARSC Student Led Paper Competition II --Friday Nov 15 | 1:30 PM-3:30 PM | Oliver

Chair: Bruce Newbold, McMaster University

- *Examining the Regional Economic Costs of Electric Power Grid Interruptions Associated with Increased Intermittent Renewable Resource Capacity* Amanda HarkerSteele, KeyLogic Systems Inc; John Bergstrom, University of Georgia; Wesley Burnett, College of Charleston
- *The Impact of Metropolitan Technology on the Non-Metropolitan Labor Market: Evidence from U.S. Patents* Oudom Hean, Ohio State University; Mark D. Partridge, Ohio State University
- *Do multifamily unit rents increase in response to planned light rail construction?* Qiong Peng, University of Maryland - College Park; Nicholas Finio, University of Maryland - College Park; Gerrit Knaap, University of Maryland - College Park
- *Urban Employment Subcenters: the Case of Curitiba, Brazil* Eduardo Thome, Federal University of Parana; Alexandre Porsse, Federal University of Parana, Brazil

93. Special Session: Location and Spatial Analysis II --Friday Nov 15 | 1:30 PM-3:30 PM | Conference B

Organizers: Alan Murray, University of California - Santa Barbara; Ran Wei, University of California, Riverside

Chair: Ran Wei, University of California, Riverside

- *Modeling Multi-Criteria Connectivity in Ecological Landscapes* Timothy Matisziw, University of Missouri; Ashkan Gholamialam, University of Missouri; Kathleen Trauth, University of Missouri; Bryan Mayhan, University of Missouri

- *Can the AED adequately cover out-of-hospital cardiac arrests? Spatial optimization approach* Kamyong Kim, Kyungpook National University
- *Socio-demographic characteristics at the wildland-urban interface and wildfire risk mitigation* Bryce Pludow, University of California, Santa Barbara; Alan Murray, University of California - Santa Barbara
- *Efficient Algorithms for Computing Area-based Distances* Wangshu Mu, Arizona State University; Daoqin Tong, Arizona State University

Discussants:

- Harsha Gwalani, University of North Texas
- Daisuke Watanabe, Tokyo Univ. of Marine Science and Technology
- Timothy Matisziw, University of Missouri
- Alan Murray, University of California - Santa Barbara

94. Formal Paper Session: Infrastructure --Friday Nov 15 | 1:30 PM-3:30 PM | Carnegie I

Chair: H. Allen Klaiber, Ohio State University

- *The welfare impacts of large scale urban noise reductions: implications from household sorting in Vienna* H. Allen Klaiber, Ohio State University; Ulrich Morawetz, University of Natural Resources and Life Sciences, Vienna
- *Travel Costs, Trade, and Market Segmentation: Evidence from China's High-Speed Railway* Dongxiao Niu, Tsinghua University; Weizeng Sun, Central University of Finance and Economics; Siqi Zheng, Massachusetts Institute of Technology
- *Broadband Availability and Subscription Rates: An Assessment of Federal Communications Commission Data Quality* Teja Pristavec, University of Virginia; Joshua Goldstein, University of Virginia

Discussants:

- Dongxiao Niu, Tsinghua University
- Joshua Goldstein, University of Virginia
- H. Allen Klaiber, Ohio State University

95. Formal Paper Session: Housing Markets II --Friday Nov 15 | 1:30 PM-3:30 PM | Carnegie II

Chair: Sicheng Wang, Rutgers, The State University of New Jersey

- *How do housing supply constraints affect urban innovation?---- Verification Based on Deagglomeration of Innovation* Qiao Wang, Southeast University; Xiuyan Liu, Southeast University
- *Housing Prices in Chengdu, China and their Association with the Distribution and Duration of Ride-Hailing Trips* Sicheng Wang, Rutgers, The State University of New Jersey; Michael L. Lahr, Rutgers University; Robert Noland, Rutgers University; Jing Han, Tongji University

- *Price and Liquidity Dynamics for Single and Multi-Family Homes During Housing Market Shocks* Mitchell Livy, California State University, Fullerton; Nicholas Irwin, University of Nevada - Las Vegas
- *The net benefit of demolishing dilapidated housing: The case of Detroit* Dusan Paredes, Universidad Católica del Norte; Mark Skidmore, Michigan State University; Camila Alwayay, Michigan State University

Discussants:

- Dusan Paredes, Universidad Católica del Norte
- Qiao Wang, Southeast University
- Sicheng Wang, Rutgers, The State University of New Jersey
- Mitchell Livy, California State University, Fullerton

96. Formal Paper Session: Environmental Issues IV --Friday Nov 15 | 1:30 PM-3:30 PM | Carnegie III

Chair: Shihe Fu, Xiamen University

- *Effects of Transboundary Pollution on Housing Prices in Korea: Focusing on Fine Particulate Transported from China* Kyung-Min Nam, The University of Hong Kong; Yifu Ou, University of Hong Kong; Siqi Zheng, Massachusetts Institute of Technology
- *Analysis of temporal and spatial patterns of PM2.5 in Prefecture-Level Cities of China from 1998 to 2016.* Bao-Li Zheng, East China Normal University
- *How Extensive are Air Pollution Spillovers? An Application to China's Manufacturing Productivity* Shihe Fu, Xiamen University; V. Brian Viard, Cheung Kong Graduate School of Business; Peng Zhang, The Hong Kong Polytechnic University

Discussants:

- Shihe Fu, Xiamen University
- Yifu Ou, University of Hong Kong
- Bao-Li Zheng, East China Normal University

97. Formal Paper Session: Labor Markets I --Friday Nov 15 | 1:30 PM-3:30 PM | Conference A

Chair: HongBae Kim, Hanyang University

- *Examining talent attraction and retention in small and medium-sized cities: Where do universities fit in?* Nene Osutei, University of California, Irvine; Jae Hong Kim, University of California - Irvine
- *Relative Cohort Size and Unemployment in the United States: Evidence from the Regional Level* Carsten Ochsén, University of Applied Labour Studies and Max Planck Institute for Demographic Research
- *Development and Application of a Multi-region Input-output Model under Factor Constraint - Focused on Regional Labor Forces* Hyunkyung Lee, Seoul National University; HongBae Kim, Hanyang University

- *The Role of Rural Labor Markets in Female Entrepreneurship* Angela Hallowell, University of Maine; Andrew Crawley, University of Maine; Maria Figueroa-Armijos, American University

Discussants:

- HongBae Kim, Hanyang University
- Nene Osutei, University of California, Irvine
- Angela Hallowell, University of Maine
- Carsten Ochsén, University of Applied Labour Studies and Max Planck Institute for Demographic Research

98. Formal Paper Session: Natural Resources --Friday Nov 15 | 1:30 PM-3:30 PM | Frick

Chair: Kathleen Bell, University of Maine

- *The Dark Side of the Shale Boom-- County Level Analysis: Matching Methods for Causal Inference* Shishir Shakya, West Virginia University; Luyi Han, Oklahoma State University
- *Do Exploitations of Marcellus and Utica Shale Formations Improve Regional Economy in West Virginia and Ohio? A Synthetic Control Analysis* Kuan-Ming Huang, West Virginia University; Xiaoli Etienne, West Virginia University
- *The Carbon Losses due to Landscape Change from Unconventional Shale Gas Development in the Marcellus and Utica Formations* Xiao Dong, the Ohio State University; H. Allen Klaiber, Ohio State University; Sathya Gopalakrishnan, Ohio State University; Douglas Wrenn, Pennsylvania State University
- *Rural forested landscapes, economic change, and rural development* Kathleen Bell, University of Maine; Mindy Crandall, University of Maine; Darla Munroe, Ohio State University; Anita Morzillo, University of Connecticut; Chris Colocousis, James Madison University

Discussants:

- Kathleen Bell, University of Maine
- Shishir Shakya, West Virginia University
- Kuan-Ming Huang, West Virginia University
- Xiao Dong, the Ohio State University

99. Formal Paper Session: Regional Economic Effects of Disasters I --Friday Nov 15 | 1:30 PM-3:30 PM | Phipps

Organizers: Yasuhide Okuyama, University of Kitakyushu; Adam Rose, USC

Chair: Yasuhide Okuyama, University of Kitakyushu

- *Community Resilience in Climate Related Disasters: What Matters and What Does Not* Sultana Fouzia, Oregon State University; Yong Chen, Oregon State University; Jianhong Mu, University of Texas - Austin

- *Evaluating the Role of Resilience in Reducing Economic Losses from Disasters: A Multi-regional Analysis of a Seaport Disruption* Dan Wei, University of Southern California; Zhenhua Chen, Ohio State University; Adam Rose, USC
- *Learning From the Past. Forecasting Community Disaster Resilience after the 2016 Central Italy Earthquake using Supervised Machine Learning.* Marco Modica, Gran Sasso Science Institute; Federico Fantechi, Gran sasso science institute

Discussants:

- Adam Rose, USC
- Marco Modica, Gran Sasso Science Institute
- Yong Chen, Oregon State University

100. Formal Paper Session: Migration --Friday Nov 15 | 1:30 PM-3:30 PM | Vandergrift

Chair: Anja Rossen, Institute for Employment Research

- *Assessing Intergenerational Mobility for Mexican Immigrants in the United States* Katerine Ramirez, The Ohio State University
- *Impact of Typhoon Flood Disaster's on Macroeconomy and Labor Flow among Industries Based on Risk Assessment* Zhuoqun Gao, Harbin Institute of Technology & Cornell
- *Urban spatial structure in Barcelona (1902-2011): immigration, spatial segregation, and new centrality governance* Miquel-Angel García-López, Universitat Autònoma de Barcelona; Rosella Nicolini, Universitat Autònoma de Barcelona; Jose Luis Roig Sabaté, Universitat Autònoma de Barcelona
- *Out migration of young workers from rural areas and their return - Event history analyses* Anja Rossen, Institute for Employment Research; Jan Cornelius Peters, Thünen Institute; Moritz Meister, IAB Institute for Employment Research

Discussants:

- Anja Rossen, Institute for Employment Research
- Katerine Ramirez, The Ohio State University
- Zhuoqun Gao, Harbin Institute of Technology & Cornell
- Rosella Nicolini, Universitat Autònoma de Barcelona

2:00 PM-3:30 PM

101. Special Session: Spatial Econometrics Association Session: Spatial Big Data (Pre-Registration Required) --Friday Nov 15 | 2:00 PM-3:30 PM | Conference C

Chair: Giuseppe Arbia, Università Cattolica del Sacro Cuore

- *On Spatial Lag Models estimated using crowdsourcing, web-scraping or other unconventionally collected Big Data* Giuseppe Arbia, Università Cattolica del Sacro Cuore; Vincenzo Nardelli, Catholic University

- *Spatial AR(p)-GARCH(k, l) Models for High-Dimensional Financial Time Series* Takaki Sato, Tohoku University; Yasumasa Matsuda, Tohoku University
- *Spatially autoregressive additive modeling for large samples* Daisuke Murakami, Institute of Statistical Mathematics; Hajime Seya, Kobe University; Daniel Griffith, University Of Texas At Dallas

Discussants:

- Takaki Sato, Tohoku University
- Daisuke Murakami, Institute of Statistical Mathematics
- Giuseppe Arbia, Universita Cattolica del Sacro Cuore

102. Special Session: Spatial Econometrics Session: Spatial Demography (Pre-Registration Required) --Friday Nov 15 | 2:00 PM-3:30 PM | Conference D

Chair: Yuki Shibatsuji, Graduate School of Keio University

- *Spatial clustering patterns of children in single-mother households in Japan* Yukiko Abe, Hokkaido University; Mizuki Kawabata, Keio University; Yuki Shibatsuji, Graduate School of Keio University
- *Spatial relationships between single-mother households and public housing in the Tokyo ward area* Yuki Shibatsuji, Graduate School of Keio University; Mizuki Kawabata, Keio University
- *Fertility Trend, District, Divisional and Regional levels Spatial Modeling in Bangladesh* M. Mizanur Rahman Sarker, Hitotsubashi University; Nabila Hossain, Sher-e-Bangla Agricultural University; M. Rafikul Islam, Sher-e-Bangla Agricultural University

Discussants:

- M. Mizanur Rahman Sarker, Hitotsubashi University
- Mizuki Kawabata, Keio University
- Yuki Shibatsuji, Graduate School of Keio University

3:30 PM-4:00 PM

103. Coffee Break --Friday Nov 15 | 3:30 PM-4:00 PM | Conference Level Foyer

4:00 PM-6:00 PM

104. Special Session: Early Child Conditions and Development II --Friday Nov 15 | 4:00 PM-6:00 PM | Heinz

Organizer: Flavia Chein, Federal University of Juiz de Fora - Brazil

Chair: Flavia Chein, Federal University of Juiz de Fora - Brazil

- *Childhood Socioeconomic Status and Adulthood Obesity and Health: The Role of Parental Permanent and Transitory Income* Yilan Xu, University of Illinois; Tansel Yilmazer, Ohio State University
- *Early Life Exposure to Malaria and Economic Development: Evidence from the Brazilian Eradication Campaign* Henrique Veras de Paiva Fonseca, Oberlin College
- *Early Childhood Stress: Movers, Stayers and Neighborhood Change* David Folch, Northern Arizona University; Christopher Fowler, Pennsylvania State University

Discussants:

- Henrique Veras de Paiva Fonseca, Oberlin College
- David Folch, Northern Arizona University
- Henrique Veras de Paiva Fonseca, Oberlin College

105. Special Session: Demographic Transitions: Regions, Cities and Neighbourhoods: Choice -- Friday Nov 15 | 4:00 PM-6:00 PM | Phipps

Organizers: Mark Brown, Statistics Canada; Abigail Cooke, SUNY - Buffalo; Rachel Franklin, Newcastle University; Bruce Newbold, McMaster University

Chair: Abigail Cooke, SUNY - Buffalo

- *Do secondary motives shape migration? The interplay between labour markets, residential qualities and family ties.* Viktor Venhorst, University of Groningen; Brian Gillespie, University of Groningen
- *Social Connections and the Settlement Patterns of Immigrants* Daniel Crown, Congressional Budget Office; Mark D. Partridge, Ohio State University; Alessandra Faggian, Gran Sasso Science Institute
- *Internal Forced Displacement and Crime: Evidence from Colombia* Andres Sanchez, Universidad EAFIT; Catalina Gomez, EAFIT University; Hermilson Velasquez, EAFIT University; Juan Mejia, EAFIT University
- *A Migration Model of Loss-Aversion: The Role of Economic Prospect and Spatial Referencing* Ayoung Kim, Mississippi State University; Brigitte Waldorf, Purdue University; Seong Yun, Mississippi State University

Discussants:

- Ayoung Kim, Mississippi State University
- Viktor Venhorst, University of Groningen
- Daniel Crown, Congressional Budget Office
- Andres Sanchez, Universidad EAFIT

106. Special Session: REAL, 30 Years: Spatial Structures and Spatial Externalities --Friday Nov 15 | 4:00 PM-6:00 PM | Carnegie III

Organizer: Sandy Dall'Erba, University of Illinois

Chair: Tomaz Dentinho, University of the Azores

- *The U.S. Interstate Trade Will Overcome the Negative Impact of Climate Change on Agricultural Profit* Sandy Dall'Erba, University of Illinois; Zhangliang Chen, University of Illinois - Urbana-Champaign
- *A study on environmental violations for Brazilian municipalities: A limited information maximum likelihood approach to a spatial dynamic panel data* Andre Chagas, Sao Paulo State University; Julia Uhr, Ufpel; Daniel Uhr, Ufpel
- *Spatial dependence probit models for grouped-data origin-destination flows* Patricio Aroca, CEPR- Universidad Adolfo Ibanez; Luc Anselin, University of Chicago; Coro Chasco, Universidad Autonoma de Madrid
- *Uneven Integration: The Case of Angola* Eduardo Haddad, University of Sao Paulo; Fernando Perobelli; Inacio Araujo, University of Sao Paulo; Tomaz Dentinho, University of the Azores

Discussants:

- Patricio Aroca, CEPR- Universidad Adolfo Ibanez
- Tomaz Dentinho, University of the Azores
- Andre Chagas, Sao Paulo State University
- Paolo Postiglione, University of Chieti-Pescara

107. Special Session: Location and Spatial Analysis III --Friday Nov 15 | 4:00 PM-6:00 PM | Conference B

Organizers: Alan Murray, University of California - Santa Barbara; Ran Wei, University of California, Riverside

Chair: Timothy Matisziw, University of Missouri

- *Measuring centrality of cultural venues in ethnic communities* Susan Burtner, University of California, Santa Barbara; Alan Murray, University of California - Santa Barbara
- *An efficient solution approach for solving p-median problem using spatial autocorrelation* Hyun Kim, University of Tennessee; Daniel Griffith, University Of Texas At Dallas; Yongwan Chun, U. of Texas at Dallas
- *Efficient regionalization for spatially explicit neighborhood delineation* Ran Wei, University of California, Riverside; Sergio Rey, University of California - Riverside
- *Acoustical Impacts in Coverage Modeling* Hiroyuki Goto, Hosei University; Alan Murray, University of California - Santa Barbara

Discussants:

- Ran Wei, University of California, Riverside
- Rick Church, University Of California At Santa Barbara
- Bryce Pludow, University of California, Santa Barbara

- Kamyong Kim, Kyungpook National University

108. *Special Session: Spatial Econometric Association Session: Housing Market Applications (Pre-Registration Required) --Friday Nov 15 | 4:00 PM-6:00 PM | Conference C*

Chair: Natalia Bailey, Monash University

- *What Happens in Vegas Doesn't Always Stay in Vegas: The Dynamics of House Prices and Foreclosure Rates Across Space and Time* Hua Kiefer, Federal Deposit Insurance Corporation; Leonard Kiefer, Freddie Mac; Diana Wei, Office of the Comptroller of the Currency
- *A Flexible Model for Spatial Volatility with an Application to Chicago Housing Market* Jiyoung Chae, University of Illinois - Urbana-Champaign
- *Determinants of Airbnb prices across European cities: A spatial econometrics approach* Kristof Gyodi, University of Warsaw; Lukasz Nawaro, University of Warsaw

Discussants:

- Jiyoung Chae, University of Illinois - Urbana-Champaign
- Kristof Gyodi, University of Warsaw
- Hua Kiefer, Federal Deposit Insurance Corporation

109. *Special Session: Spatial Econometrics Association Session: Methodological Issues III, Hypothesis Testing (Pre-Registration Required) --Friday Nov 15 | 4:00 PM-6:00 PM | Conference D*

Chair: Anil Bera, University of Illinois - Urbana-Champaign

- *Nested and Non-nested Tests of Nonlinear Spatial Volatility Model with Distributional and Parametric Misspecifications* Anil Bera, University of Illinois - Urbana-Champaign; Yufan Leiluo, University of Illinois - Urbana-Champaign
- *The role of cross-validation in spatial econometrics* Flavio Santi, University of Verona; Giuseppe Arbia, Universita Cattolica del Sacro Cuore; Maria Michela Dickson, University of Trento; Giuseppe Espa, University of Trento; Diego Giuliani, University of Trento
- *A simple test for stability of a spatial model* Gianfranco Piras, CUA; Harry Kelejian, University of Maryland - College Park

Discussants:

- Flavio Santi, University of Verona
- Gianfranco Piras, CUA
- Anil Bera, University of Illinois - Urbana-Champaign

110. *Formal Paper Session: Traffic Congestion and Road Pricing --Friday Nov 15 | 4:00 PM-6:00 PM | Carnegie I*

Chair: Debarshi Indra, Anheuser-BuschInBev

- *Measuring traffic congestion using data from e-hailing trips: an application for São Paulo, Brazil* Renato Vieira, UIUC; Eduardo Haddad, University of Sao Paulo
- *Revisiting the fundamental law of highway congestion using quantile regression* Debarshi Indra, Anheuser-BuschInBev; Abhradeep Maiti, IIM Kashipur
- *Traffic congestion, transportation policies, and the performance of first responders* Daniel Brent, Pennsylvania State University; Louis-Phillipe Beland, Louisiana State University

Discussants:

- Debarshi Indra, Anheuser-BuschInBev
- Daniel Brent, Pennsylvania State University
- Renato Vieira, UIUC

111. Formal Paper Session: Regional/Spatial Aspects of the Opioid Crisis II --Friday Nov 15 | 4:00 PM-6:00 PM | Carnegie II

Organizer: Brian Cushing, West Virginia University

Chair: Mark Schweitzer, Federal Reserve Bank of Cleveland

- *The Effect of Prescribing Limits on Opioid-Related Mortality* Mallory Avery, University of Pittsburgh
- *West Virginia Death Certificate Analysis: Coal Country and the Opioid Crisis* Collin Hodges, University of Central Arkansas; Heather Stephens, West Virginia University
- *Understanding Opioid Resiliency and Vulnerability in Rural and Micropolitan Communities* David Peters, Iowa State University
- *County Analysis of the Impact of Oil and Gas Booms and Busts on Opioid Overdose Deaths* Juan Tomas Sayago Gomez, Universidad Icesi; Brian Cushing, West Virginia University; Elham Erfanian, West Virginia University

Discussants:

- Devon Meadowcroft, Pennsylvania State University
- Brian Cushing, West Virginia University
- Michael Betz, The Ohio State University
- Marynia Kolak, University of Chicago

112. Formal Paper Session: Regional and Rural Development VI: Technology & Productivity Growth --Friday Nov 15 | 4:00 PM-6:00 PM | Frick

Organizers: Sarah Low, University of Missouri; Stephan Weiler, Colorado State University

Chair: Peter Stenberg, USDA Economic Research Service

- *Industrial structure and robot adoption in the US: A regional perspective* Jonathan Care, Colorado State University; Marco Guerzoni, University of Torino; Massimiliano Nuccio, University of Birmingham; Stephan Weiler, Colorado State University
- *Great Divide: Effects of Urban Productivity Growth in Non-Urban Regions* Jacob Moore, University of Oxford

- *Satellite and Wireless Broadband Service Complementarity and Substitutability for Wired Rural Internet Service* Peter Stenberg, USDA Economic Research Service
- *Differences in Supplemental Nutrition Programs Participation among Oklahoma Counties* Mckenzie Carvalho, Oklahoma State University; Amy Hagerman, Oklahoma State University; Phil Kenkel, Oklahoma State University; Dave Shideler, Oklahoma State University

Discussants:

- Peter Stenberg, USDA Economic Research Service
- Jonathan Care, Colorado State University
- Jacob Moore, University of Oxford
- Craig Carpenter, Texas A&M University

113. Formal Paper Session: Public Finance II --Friday Nov 15 | 4:00 PM-6:00 PM | Oliver

Chair: Steven Craig, University of Houston

- *Charter School Proliferation and School District Fiscal Stress, A Chicken-Egg Problem* Bo Feng, Marshall University
- *Oil Royalties and the Provision of Public Education in Brazil* Jeff Chan, Wilfrid Laurier University; Ridwan Karim, Wilfrid Laurier University
- *Can Bureaucrats Manipulate Policy Outcomes?* Steven Craig, University of Houston; Edward Hoang, University of Colorado - Colorado Springs; Janet Kohlhase, University of Houston
- *Horizontal interactions in local income taxes* Johan Lundberg, Umea University, Sweden

Discussants:

- Johan Lundberg, Umea University, Sweden
- Bo Feng, Marshall University
- Jeff Chan, Wilfrid Laurier University
- Steven Craig, University of Houston

114. Formal Paper Session: Public Health I --Friday Nov 15 | 4:00 PM-6:00 PM | Parkview East

Chair: Monica Haddad, Iowa State University

- *Examination of social networks, the built environment and health habits in a neighborhood* Monica Haddad, Iowa State University; Cristina Poleacovschi, Iowa State University; Courtney Long, Iowa State University
- *Weight change among U.S. after retirement* Tuyen Pham, West Virginia University
- *Child Marriage: Evidence from Brazil (1991-2010)* Suzana Bastos, Federal University of Juiz de Fora; Sandro de Freitas Ferreira, Federal University of Juiz de Fora; Admir Betarelli Junior, Federal University of Juiz de Fora
- *Heterogeneous Treatment Effects and Efficient Policy Learning: Evidence from the Oregon Health Experiment* Shishir Shakya, West Virginia University

Discussants:

- Tuyen Pham, West Virginia University
- Monica Haddad, Iowa State University
- Shishir Shakya, West Virginia University
- Suzana Bastos, Federal University of Juiz de Fora

115. Formal Paper Session: Tourism and Leisure --Friday Nov 15 | 4:00 PM-6:00 PM | Vandergrift

Chair: Christelle Khalaf, Ohio University

- *Local Economic Development Impacts of Agritourism* Claudia Schmidt, Pennsylvania State University; ZHENG TIAN, Pennsylvania State University; Stephan Goetz, Pennsylvania State University
- *Tourism and Growth: A Review and Meta-Analysis* Laura Vici, University of Bologna; Roberto Patuelli, University of Bologna; Elvira Fetahu, University of Elbasan
- *World Heritage Site Designation and Economic Development: A Synthetic Control Approach* Christelle Khalaf, Ohio University; G. Jason Jolley, Ohio University; Douglas Belleville, Ohio University
- *The Effect of Craft Breweries on Property Values: Varying Evidence from Across the United States* Isabelle Nilsson, University of North Carolina at Charlotte; Neil Reid, University of Toledo; Ralph McLaughlin, CoreLogic

Discussants:

- Christelle Khalaf, Ohio University
- Stephan Goetz, Pennsylvania State University
- Isabelle Nilsson, University of North Carolina at Charlotte
- Roberto Patuelli, University of Bologna

5:30 PM-8:00 PM

116. Special Session: A Celebration of Roger Stough's Life --Friday Nov 15 | 5:30 PM-8:00 PM | Conference A

Organizers: Peter Nijkamp, Jheronimus Academy of Data Science; Karima Kourtit, Jheronimus Academy of Data Science; Peter Batey, University of Liverpool

Chair: Peter Nijkamp, Jheronimus Academy of Data Science

Saturday, 16 November

7:30 AM-8:30 AM

117. Coffee --Saturday Nov 16 | 7:30 AM-8:30 AM | Conference Level Foyer

7:30 AM-10:00 AM

118. Registration and Exhibits --Saturday Nov 16 | 7:30 AM-10:00 AM | Conference Level Foyer

8:00 AM-10:00 AM

119. Formal Paper Session: Inequality II --Saturday Nov 16 | 8:00 AM-10:00 AM | Oliver

Chair: Peter Rogerson, University of Buffalo

- *Evolution of urban hierarchies over time and their determinants* Roberta Capello, Politecnico di Milano; Andrea Caragliu, Politecnico di Milano; Michiel Gerritse, Erasmus University Rotterdam
- *Government spending multiplier and regional economic growth: a general equilibrium analysis* Raphael Fernandes, University of São Paulo; Eduardo Haddad, University of Sao Paulo
- *Measures of Inequality and their Use in Physical Geography and Regional Science* Peter Rogerson, University of Buffalo
- *Impact of Religious Extremism on Regional Demographics: Evidence from Taliban Occupation of Afghanistan* Seung-hun Chung, The Ohio State University

Discussants:

- Seung-hun Chung, The Ohio State University
- Andrea Caragliu, Politecnico di Milano
- Raphael Fernandes, University of São Paulo
- Peter Rogerson, University of Buffalo

120. Special Session: Energy and Environment --Saturday Nov 16 | 8:00 AM-10:00 AM | Vandergrift

Chair: Sharmistha Bagchi-Sen, University of Buffalo

- *Local governments' investments: the effects from an oil boom* Javier Perez, Banco de la Republica (The Central Bank of Colombia); Lucas Marin, Universidad de los Andes; Jaime Bonet, Banco de la Republica
- *Coasian Compensation Scheme and Transboundary Water Quality Targeting: Evidence from an Experiment in China* Tie Shi, Xiamen University
- *Barriers and facilitators of fuel transition in developing countries* Sharmistha Bagchi-Sen, University of Buffalo; Torsten Schunder, University of Buffalo

Discussants:

- Sharmistha Bagchi-Sen, University of Buffalo
- Javier Perez, Banco de la Republica (The Central Bank of Colombia)
- Tie Shi, Xiamen University

121. Special Session: Urban-Rural Interdependence --Saturday Nov 16 | 8:00 AM-10:00 AM | Carnegie III

Organizer: Randall Jackson, West Virginia University

Chair: Randall Jackson, West Virginia University

- *A pan-European assessment of the potential benefits of urban-rural interactions* Eveline van Leeuwen, Wageningen University; Daniel Arribas-Bel, University of Liverpool
- *A Study on The "Two-Way" Flow of Urban and Rural Talents Under The Background of Chinese Rural Revitalization* Yaning Dong, Peking University
- *SNAP Stimulus Impacts on the Rural and Urban Economies during the Aftermath of the Great Recession: The Automatic Stabilizer Response versus a Cash Transfer Program* Stephen J Vogel, USDA/Economic Research Service
- *Do urban-rural interactions matter for economic vitality in U.S. regions?* Heather Stephens, West Virginia University; Elizabeth Dobis, Pennsylvania State University

Discussants:

- Heather Stephens, West Virginia University
- Stephen J Vogel, USDA/Economic Research Service
- Yaning Dong, Peking University
- Eveline van Leeuwen, Wageningen University

122. Special Session: REAL, 30 Years: Regional and Local Inequality --Saturday Nov 16 | 8:00 AM-10:00 AM | Conference A

Organizer: Sandy Dall'Erba, University of Illinois

Chair: Michael Lahr, Rutgers University

- *Income Inequality and Product Variety* Nora Schindler, WU Vienna; Dieter Pennerstorfer, University of Linz; Biliiana Yontcheva, University of Economics and Business Vienna; Christoph Weiss, Vienna University of Economics and Business
- *A non-compensatory approach to define a deprivation index for Italian municipalities* Alfredo Cartone, University of Chieti-Pescara; Domenica Panzera, University of Chieti-Pescara; Paolo Postiglione, University of Chieti-Pescara
- *Research on the Space-Time Impact of Regional Growth in China: A Multi-level Approach* Xiangwei Sun, Zhengzhou University
- *Role of Service Export in Enhancing Economic Resiliency of a Region: Growing Importance of Tourism Export for Regional Economy* Jaewon Lim, University of Nevada, Las Vegas (UNLV)

Discussants:

- Paolo Postiglione, University of Chieti-Pescara
- Xiangwei Sun, Zhengzhou University
- Jaewon Lim, University of Nevada, Las Vegas (UNLV)
- Nora Schindler, WU Vienna

123. Special Session: Demographic Transitions: Regions, Cities and Neighbourhoods: Neighbourhoods --Saturday Nov 16 | 8:00 AM-10:00 AM | Phipps

Organizers: Mark Brown, Statistics Canada; Abigail Cooke, SUNY - Buffalo; Rachel Franklin, Newcastle University; Bruce Newbold, McMaster University

Chair: Bruce Newbold, McMaster University

- *Neighbourhood, Dwelling and Apartment Building Income Mixing: Review of Measures and Experimental Estimates Across Census Metropolitan Areas* Mark Brown, Statistics Canada; River Yang, Statistics Canada
- *Employment dynamics and long-term neighborhood change: Buffalo, NY 1940 to 2017* Dylan Connor, Arizona State University; Abigail Cooke, SUNY - Buffalo; Sijiao Xie, Arizona State University
- *A Method for Measuring Neighborhood Diversity and Poverty around HOPE VI Public Housing Projects in Cleveland, Ohio* Philemon Abayateye, University of Toledo
- *A New Optimal Matching Approach to Uncovering Neighborhood Sequencing Structure* Wei Kang, University of California Riverside; Sergio Rey, University of California - Riverside

Discussants:

- Wei Kang, University of California Riverside
- Philemon Abayateye, University of Toledo
- Paul Jung, University of North Carolina - Charlotte
- Cletus Coughlin, Federal Reserve Bank of St. Louis

124. Formal Paper Session: Regional Development in Mexico --Saturday Nov 16 | 8:00 AM-10:00 AM | Carnegie I

Organizer: Patricio Aroca, CEPR- Universidad Adolfo Ibanez

Chair: Adrian de Leon Arias, Universidad de Guadalajara

- *Identification and Spatial Hierarchy of Industrial Conglomerates with Census Data. A Suggested Procedure and Application to the Mexican Case of Study* Jesús Trevino, UANL
- *Mexican States' Business Cycles Co-movement Over the Period 2000-2014. A Panel Data Model Estimation* Patricio Aroca, CEPR- Universidad Adolfo Ibanez; Pablo Mejia-Reyes, Universidad Autónoma del Estado de México; Miguel Díaz-Carreño, Universidad Autónoma del Estado de México
- *Trade Liberalization and Regional Manufacturing Productivity Growth: Some Lessons from Mexico's Northern Border After 20 Years.* Adrian de Leon Arias, Universidad de Guadalajara

Discussants:

- Adrian de Leon Arias, Universidad de Guadalajara
- Jesús Trevino, UANL
- Patricio Aroca, CEPR- Universidad Adolfo Ibanez

125. Formal Paper Session: Public Health II --Saturday Nov 16 | 8:00 AM-10:00 AM | Carnegie II

Chair: Cristina Miller, Centers for Medicare and Medicaid Services

- *How industry-specific shocks impact within-industry suicide rates* Michael Betz, The Ohio State University
- *The impacts of the Affordable Care Act on the labor market* Tuyen Pham, West Virginia University
- *Estimating the Impact of Rural Hospital Closures on Local Mortality Rates* Cristina Miller, Centers for Medicare and Medicaid Services
- *Do Recessions Kill? Impacts of the Great Recession and Post-Recessionary Period on Rural Mortality Rates* Cristina Miller, Centers for Medicare and Medicaid Services; Elizabeth Dobis, Pennsylvania State University

Discussants:

- Elizabeth Dobis, Pennsylvania State University
- Michael Betz, The Ohio State University
- Tuyen Pham, West Virginia University
- Cristina Miller, Centers for Medicare and Medicaid Services

126. Formal Paper Session: GeoComputation --Saturday Nov 16 | 8:00 AM-10:00 AM | Conference B

Organizers: Ran Tao, University of South Florida; Jean-Claude Thill, University of North Carolina - Charlotte; Zhaoya Gong, University of Birmingham; Suzana Dragicevic, Simon Fraser University

Chairs: Jean-Claude Thill, University of North Carolina - Charlotte; Ran Tao, University of South Florida

- *A Scalable Method for Local Marginal Analysis in Hierarchical Gaussian Process Regression Models* Jacob Dearmon, Oklahoma City University; Tony E. Smith, University of Pennsylvania
- *A Bayesian approach to eigenvector spatial filtering using the regularized horseshoe prior* Connor Donegan, University of Texas at Dallas
- *Measuring Spatial Association for Bivariate Flow Data* Ran Tao, University of South Florida; Jean-Claude Thill, University of North Carolina - Charlotte
- *Regionalization based Scalable Approach for Gridded Population Modeling* Parmanand Sinha, University of Louisville; Andrea Gaughan, University of Louisville; Forrest Stevens, University of Louisville

Discussants:

- Parmanand Sinha, University of Louisville
- Jacob Dearmon, Oklahoma City University
- Connor Donegan, University of Texas at Dallas
- Ran Tao, University of South Florida

127. Formal Paper Session: Economic Development --Saturday Nov 16 | 8:00 AM-10:00 AM | Conference C

Chair: Shaoming Cheng, Florida International University

- *Regional Decline and Recovery: The Great Recession and Expansion* John Connaughton, UNC - Charlotte; Richard Cebula, Jacksonville University
- *Which Came First Reuse or Unemployment? A Dynamic Correlative Analysis* Andrew Crawley, University of Maine
- *Political Borders and Economic Efficiency: Evidence from China* Wei Tang, Shanghai University of Finance and Economics
- *Incentivized for Leveling the Playing Field: Do State Economic Incentives Compensate for High Taxes?* Shaoming Cheng, Florida International University; Hai Guo, Florida International University; Cathy Liu, Georgia State University

Discussants:

- Shaoming Cheng, Florida International University
- John Connaughton, UNC - Charlotte
- Andrew Crawley, University of Maine
- Wei Tang, Shanghai University of Finance and Economics

128. Formal Paper Session: Regions and Resilience II --Saturday Nov 16 | 8:00 AM-10:00 AM | Conference D

Chair: Rushaine Goulbourne, The University of Alabama

- *Spatial Price Transmission of Retail Commodities in Japan -- The Great East Japan Earthquake* Sungtae Eun, Texas Tech University; Sang Su Ha, Kansas State University; David Suh, University of Connecticut
- *Natural Disasters and Industrial Policies: Fiscal Incentives as Reconstruction Stimuli in Colombia* Luis Galvis, Banco de la Republica - Colombia; Leonardo Bonilla, Banco de la Republica de Colombia; Sara Gomez, EAFIT University
- *The Labor force impact of Hurricanes in Small Island Developing States: Evidence from Puerto Rico.* Rushaine Goulbourne, The University of Alabama
- *Spatial resilience and voting: evidence from US Presidential elections* Giorgio Fazio, Newcastle University, University of Palermo; Simone Grabner, Gran Sasso Science Institute; Marco Modica, Gran Sasso Science Institute

Discussants:

- Giorgio Fazio, Newcastle University, University of Palermo
- Sungtae Eun, Texas Tech University
- Luis Galvis, Banco de la Republica - Colombia
- Rushaine Goulbourne, The University of Alabama

129. Formal Paper Session: Regional and Rural Development VII: Economics of Broadband -- Saturday Nov 16 | 8:00 AM-10:00 AM | Frick

Organizers: Sarah Low, University of Missouri; Stephan Weiler, Colorado State University

Chair: Steven Deller, University of Wisconsin - Madison

- *Borders, Geography, and Economic Activity: The case of China's coastal/inland divide* Hao Guo, Nanjing Audit University; Jenny Minier, University of Kentucky
- *Impacts of USDA Broadband Programs on Property Values* John Pender, USDA Economic Research Service; Peter Han, USDA Economic Research Service; Zachary Keeler, West Virginia University
- *The Impacts of the USDA Broadband Loan and Grant Programs: Moving Towards Estimating a Rate of Return* Ivan Kandilov, North Carolina State University; Mitch Renkow, North Carolina State University
- *Broadband Access and Rural Entrepreneurship* Steven Deller, University of Wisconsin - Madison; Brian Whitacre, Oklahoma State University

Discussants:

- John Pender, USDA Economic Research Service
- Steven Deller, University of Wisconsin - Madison
- Jenny Minier, University of Kentucky
- Mitch Renkow, North Carolina State University

130. Formal Paper Session: Social Justice --Saturday Nov 16 | 8:00 AM-10:00 AM | Heinz

Chair: Jessica LaVoice, University of Pittsburgh

- *Planning transport for social inclusion: an accessibility-activity participation approach* Jeff Allen, University of Toronto; Steven Farber, University of Toronto - Scarborough
- *Targeted social assistance programs and local economies: The case of conditional cash transfers in Indonesia* Anna Falentina, Australian National University; Budy Resosudarmo, Australian National University
- *Racial Disparities in Debt Collection* Jessica LaVoice, University of Pittsburgh; Domonkos Vamossy, University of Pittsburgh
- *Did the end of desegregation drive down bus spending?* Christopher Rick, Syracuse University

Discussants:

- Christopher Rick, Syracuse University
- Jeff Allen, University of Toronto
- Anna Falentina, Australian National University
- Jessica LaVoice, University of Pittsburgh

131. Formal Paper Session: Gentrification and Residential Displacement --Saturday Nov 16 / 8:00 AM-10:00 AM | Parkview East

Chair: Sydney Schreiner, The Ohio State University

- *Insights into residential displacement: A micro-data analysis of household moves near Los Angeles Metro rail stations* Gene Burinskiy, University of Southern California; Marlon Boarnet, University of Southern California; Raphael Bostic, Federal Reserve Bank of Atlanta; Seva Rodnyanansky, University of California - Berkeley; Allen Prohofsky, California Franchise Tax Board
- *Effects of Gentrification on Homeowners: Evidence from a Natural Experiment* Lei Ding, Federal Reserve Bank, Philadelphia; Jackelyn Hwang, Stanford University
- *Using Google Street View to Examine Green Gentrification: a Case Study in Chile* Melinda Sanchez, Iowa State University; Zachary Christman, Rowan University; Monica Haddad, Iowa State University; Hamil Pearsall, Temple University
- *Gentrification and Schools* Sydney Schreiner, The Ohio State University

Discussants:

- Sydney Schreiner, The Ohio State University
- Gene Burinskiy, University of Southern California
- Lei Ding, Federal Reserve Bank, Philadelphia
- Zachary Christman, Rowan University

10:00 AM-10:30 AM

132. Coffee Break --Saturday Nov 16 / 10:00 AM-10:30 AM | Conference Level Foyer

10:30 AM-12:30 PM

133. Special Session: Demographic Transitions: Regions, Cities and Neighbourhoods: Outcomes --Saturday Nov 16 / 10:30 AM-12:30 PM | Carnegie III

Organizers: Mark Brown, Statistics Canada; Abigail Cooke, SUNY - Buffalo; Bruce Newbold, McMaster University

Chair: Rachel Franklin, Newcastle University

- *After the Crash: Inter-Provincial Employee Movement in Canada* Bruce Newbold, McMaster University
- *Governments and Regional Growth: Does the Number Matter and, If So, How?* Cletus Coughlin, Federal Reserve Bank of St. Louis; Charles Gascon, Federal Reserve Bank of St. Louis; Kevin Kliesen, Federal Reserve Bank of St. Louis
- *Toxic Truth: Lead and Fertility* Edson Severnini, Carnegie Mellon University; Karen Clay, Carnegie Mellon University; Margarita Portnykh, Carnegie Mellon University

Discussants:

- Abigail Cooke, SUNY - Buffalo
- Silje Haus-Reve, University of Stavanger
- Bruce Newbold, McMaster University

**134. Special Session: Location and Spatial Analysis IV --Saturday Nov 16 | 10:30 AM-12:30 PM
/ Conference B**

Organizer: Alan Murray, University of California - Santa Barbara

Chair: Daoqin Tong, Arizona State University

- *Inverse Optimization In The Median Model* Joy Bhadury, Radford University; Jaehwan Jeong, Radford University
- *Spatial Relocation with Heterogeneous Talents: Based on Location-Quality* Yaning Dong, Peking University
- *Optimizing locations of primary school in the rural areas of China* Yulong Chen, Henan University
- *Demand-based Spatial Partitioning for Risk Mitigation* Harsha Gwalani, University of North Texas; Chetan Tiwari, University of North Texas; Armin Mikler, University of North Texas

Discussants:

- Domenica Panzera, University of Chieti-Pescara
- Yulong Chen, Henan University
- Yaning Dong, Peking University
- Joy Bhadury, Radford University

**135. Business Meeting: RSPB Editorial Board Meeting --Saturday Nov 16 | 10:30 AM-12:30 PM
/ Parkview West**

Chair: Tomaz Dentinho, University of the Azores

136. Special Session: REAL, 30 Years: IO and CGE Applications --Saturday Nov 16 | 10:30 AM-12:30 PM | Conference A

Organizer: Sandy Dall'Erba, University of Illinois

Chair: Karina Sass, University of São Paulo

- *Propagation of productivity shocks in the Chilean mining sector: a general equilibrium approach* Karina Simone Sass, University of São Paulo; Eduardo Haddad, University of Sao Paulo; Denise Li, University of São Paulo
- *Use WIOD Data to Estimate the Armington Import Elasticities for a Global Trade model* Jingwen Li, Cornell University

Discussants:

- Jingwen Li, Cornell University
- Karina Sass, University of São Paulo

137. Formal Paper Session: Urbanization --Saturday Nov 16 | 10:30 AM-12:30 PM | Carnegie I
Chair: Xiaofang Zhou, Collaborative Innovation Center

- *Innovation in Shrinking cities* Alina Schoenberg, IMC University of Applied Sciences;
Florian Bartholomae, Munich Business School
- *Research on the Internal Mechanism of Population Flow, Land Change and Urbanization*
----*Taking Zhengzhou City as an example* Xiaofang Zhou, Collaborative Innovation
Center
- *A time-series based test protocol for empirical assessment of random urban growth: new*
evidence from France Martin Zumpe, GREThA, University of Bordeaux; Aurelie Lalanne,
University of Bordeaux
- *Understanding the dynamics of urban densification: How do current and planned land*
uses interact and evolve over time? Jae Hong Kim, University of California - Irvine;
Xiangyu Li, University of California - Irvine

Discussants:

- Martin Zumpe, GREThA, University of Bordeaux
- Xiangyu Li, University of California - Irvine
- Alina Schoenberg, IMC University of Applied Sciences
- Xiaofang Zhou, Collaborative Innovation Center

138. Formal Paper Session: Infrastructure and Regional Development --Saturday Nov 16 |
10:30 AM-12:30 PM | Carnegie II

Chair: Amanda Ross, University of Alabama

- *Spatialization of the Port Regionalization in the Global Cargo Shipping Network* Paul
Jung, University of North Carolina - Charlotte; Jean-Claude Thill, University of North
Carolina - Charlotte
- *Connective Infrastructure and Its Effect on Poverty Reduction in Mexico* Ariadna
Martinez Gonzalez, The Ohio State University; Mark D. Partridge, Ohio State University;
Zoë Plakias, Ohio State University
- *The Impact of Commercial Air Service on Rural Communities: An Instrumental Variables*
Approach Amanda Ross, University of Alabama; Christopher Yencha, Weber State
University

Discussants:

- Ariadna Martinez Gonzalez, The Ohio State University
- Paul Jung, University of North Carolina - Charlotte
- Amanda Ross, University of Alabama

139. Formal Paper Session: International Trade II --Saturday Nov 16 | 10:30 AM-12:30 PM |
Conference C

Chair: Jinhwan Oh, Ewha Womans University

- *ASEAN or Plus Alpha? Effectiveness of Regional Trading Blocs* Jinhwan Oh, Ewha Womans University
- *The regional dimension of nutritional status and trade liberalization in Indonesian provinces* Yuri Mansury, Illinois Institute of Technology
- *Effect of Business and Social Networks on Trade between Africa and Europe* Baraka Nafari, University of Johannesburg; Alain Pholo Bala, University of Johannesburg
- *The Impact of Trade Development on the Upgrading of Industrial Structure of the "Belt and Road" Countries: An Empirical Study based on Export Product Density* Yibing Ding, Jilin University; Wei Liu, Jilin University of Finance and Economics

Discussants:

- Alain Pholo Bala, University of Johannesburg
- Jinhwan Oh, Ewha Womans University
- Yibing Ding, Jilin University
- Yuri Mansury, Illinois Institute of Technology

140. Formal Paper Session: Real Estate and Housing --Saturday Nov 16 | 10:30 AM-12:30 PM | Conference D

Chair: John McDonald, Univ. of Illinois at Chicago

- *Evaluating the Impact of Online Influencers on Retail Property Rent - A Case Study in New York City* Xudong Sun, Massachusetts Institute of Technology; Andrea Chegut, Massachusetts Institute of Technology
- *Local Agglomeration Economies and Real Estate Investment in US Cities* Michiel Daams, University of Groningen; Philip McCann, Sheffield University; Paolo Veneri, Oecd; Dennis Schoenmaker, Aew; Richard Barkham, Cbre
- *Housing Supply in a Declining Market* John McDonald, Univ. of Illinois at Chicago

Discussants:

- John McDonald, Univ. of Illinois at Chicago
- Xudong Sun, Massachusetts Institute of Technology
- Michiel Daams, University of Groningen

141. Formal Paper Session: Regional and Rural Development VIII: Education, Workforce and Economic Growth --Saturday Nov 16 | 10:30 AM-12:30 PM | Frick

Organizers: Sarah Low, University of Missouri; Stephan Weiler, Colorado State University

Chair: Sarah Low, University of Missouri

- *Rural Broadband: The Connection to Entrepreneurship by Business Size and Gender* Tessa Conroy, University of Wisconsin - Madison; Sarah Low, University of Missouri
- *The Future of Work in Missouri: Urban-Rural Differences in Entrepreneurship and Self-Employment* Austin Sanders, University of Missouri; Sarah Low, University of Missouri; Mark White, University of Missouri

- *The Determinants of Charter School Formation and Growth* Michael Trouw, Colorado State University
- *Encountering Weak Signals: Perceptions of Workplace Mobility Trends and Local Economic Development Practice* Sarah Soroui, Brandeis University

Discussants:

- Sarah Soroui, Brandeis University
- Tessa Conroy, University of Wisconsin - Madison
- Austin Sanders, University of Missouri
- Michael Trouw, Colorado State University

142. Formal Paper Session: Agriculture --Saturday Nov 16 | 10:30 AM-12:30 PM | Heinz

Chair: Chellie Hogan, Oklahoma State University

- *Agricultural Land, Labourer Age and Leaving the Farm: Evidence from Rural China* Wei Xiao, SWUFE
- *Agricultural Transport Costs and Economic Geography: Evidence from a Spatial Interaction Model* Pedro Herrera Catalán, Universidad Autónoma de Madrid
- *Measuring the Impact of the 2018 Agricultural Improvement Act's Grassland Initiative for Oklahoma Producers* Chellie Hogan, Oklahoma State University; Dayton Lambert, Oklahoma State University; Amy Hagerman, Oklahoma State University
- *U.S. Farm Size Distribution and Local Economic Growth* Zheng Tian, Pennsylvania State University; Stephan Goetz, Pennsylvania State University; Claudia Schmidt, Pennsylvania State University

Discussants:

- Zheng Tian, Pennsylvania State University
- Wei Xiao, SWUFE
- Pedro Herrera Catalán, Universidad Autónoma de Madrid
- Chellie Hogan, Oklahoma State University

143. Formal Paper Session: Regional Innovation --Saturday Nov 16 | 10:30 AM-12:30 PM | Oliver

Chair: Kathrine Richardson, San Jose State University

- *The role of city networks in knowledge production: Evidence from Chinese city-level patenting activity* Yuxue Sheng, Guangxi University; James Lesage, Texas State University
- *The Cascadia Innovation Corridor: The Emergence of a Cross-Border High Tech Cluster in the Canada-US Border Region?* Kathrine Richardson, San Jose State University
- *Rural Manufacturing Export Performance: How Important Are Innovation, Inventive Occupations, and Intellectual Property Protection?* Timothy R Wojan, USDA ERS

Discussants:

- Timothy R Wojan, USDA ERS
- Yuxue Sheng, Guangxi University
- Kathrine Richardson, San Jose State University

144. Formal Paper Session: Regional/Spatial Aspects of the Opioid Crisis III --Saturday Nov 16 | 10:30 AM-12:30 PM | Phipps

Organizer: Brian Cushing, West Virginia University

Chair: Elham Erfanian, West Virginia University

- *The Opioid Crisis and Public Medical Care Benefits in Virginia* Barbara Blake, Old Dominion University
- *An Investigation of Relationships Between Neighborhood Opioid Activity and Students' Education Outcomes* Rodney Hughes, West Virginia University
- *Opioids and the Labor Market* Mark Schweitzer, Federal Reserve Bank of Cleveland; Dionissi Aliprantis, Federal Reserve Bank of Cleveland; Kyle Fee, Federal Reserve Bank of Cleveland

Discussants:

- Collin Hodges, University of Central Arkansas
- Mallory Avery, University of Pittsburgh
- Isabel Musse, University of Illinois

145. Formal Paper Session: Regional Economic Effects of Disasters 2 --Saturday Nov 16 | 10:30 AM-12:30 PM | Vandergrift

Organizers: Yasuhide Okuyama, University of Kitakyushu; Adam Rose, USC

Chair: Yasuhide Okuyama, University of Kitakyushu

- *Addition Through Subtraction: Do Floodplain Property Buyouts Impact Nearby Housing Values?* Will Georgic, Kalamazoo College
- *'Managed Retreat' as an Adaptive Planning Response to Climate Change Displacement* Kieran Donaghy, Cornell University
- *The right period, the right models: Dealing with short-run fluctuations of economic trends after a disaster* Yasuhide Okuyama, University of Kitakyushu

Discussants:

- Kieran Donaghy, Cornell University
- Yasuhide Okuyama, University of Kitakyushu
- Will Georgic, Kalamazoo College

12:30 PM-2:30 PM

146. NARSC Awards Luncheon --Saturday Nov 16 | 12:30 PM-2:30 PM | Grand Ballroom

2:45 PM-4:45 PM

147. Formal Paper Session: Population and Demographic Dynamics --Saturday Nov 16 | 2:45 PM-4:45 PM | Carnegie I

Chair: Giorgio Fazio, Newcastle University, University of Palermo

- *Geospatial modeling on the right-sizing of cities under population decrease in South Korea* Jinwon Bae, Korea Land and Housing Institute; Hyemin Na, Korea Land and Housing Institute; Mihong Lee, Korea Land and Housing Institute
- *Urban Planning in Latin American Cities: The Case of Valledupar, Colombia* Jaime Bonet, Banco de la Republica; Diana Ricciulli, Banco de la Republica
- *A characterization of spatial voting in the US Presidential Elections* Giorgio Fazio, Newcastle University, University of Palermo; Marco Modica, Gran Sasso Science Institute
- *UK Witches: Signalling for Locally Under-Rewarded Human Capital* Annie Tubadji, UWE

Discussants:

- Giorgio Fazio, Newcastle University, University of Palermo
- Jinwon Bae, Korea Land and Housing Institute
- Annie Tubadji, UWE
- Jaime Bonet, Banco de la Republica

148. Formal Paper Session: Location Theory and Modeling --Saturday Nov 16 | 2:45 PM-4:45 PM | Conference B

Chair: Carlianne Patrick, Georgia State University

- *A Latent Auction Model of Firm Establishment Location Choice and Empirical Application to the Greater Toronto and Hamilton Area (GTHA)* Jason Hawkins, University of Toronto; Khandker Nurul Habib, University of Toronto
- *Identifying Agglomeration Spillovers: New Evidence from Large Plant Openings* Carlianne Patrick, Georgia State University; Mark D. Partridge, Ohio State University
- *Industrial Parks and The Environment - Evidence from China* Juan Palacios, Maastricht University; Siqi Zheng, Massachusetts Institute of Technology; Piet Eichholtz, Maastricht University; Weizeng Sun, Central University of Finance and Economics
- *Changing commute patterns: An analysis of St. Louis industrial areas from 2002-2015* Benjamin Fleschert, East West Gateway COG

Discussants:

- Benjamin Fleschert, East West Gateway COG
- Jason Hawkins, University of Toronto
- Carlianne Patrick, Georgia State University
- Juan Palacios, Maastricht University

149. Formal Paper Session: Public Finance and Economic Development --Saturday Nov 16 / 2:45 PM-4:45 PM | Heinz

Chair: Marcello Graziano, Central Michigan University

- *Does Money Matter? Regional Transfers and Anti-establishment Voting* Giuseppe Albanese, Bank of Italy; Guglielmo Barone, Bank of Italy; Guido de Blasio, Bank of Italy
- *Does local fiscal policy affect migration? Evidence of a fiscal windfall in a developing country* Eduardo Silva, Sao Paulo State University; Andre Chagas, Sao Paulo State University
- *Cryptocurrency and Blockchain technologies for cross-border funds transfer* Rajendra Kulkarni, George Mason University; Roger R. Stough, George Mason University; Laurie Schintler, George Mason University
- *Pathways for Resilience in Four Great Lakes Legacy Cities* Marcello Graziano, Central Michigan University; Evangelia Lema, Central Michigan University; Matthew Liesch, Central Michigan University

Discussants:

- Eduardo Silva, Sao Paulo State University
- Marcello Graziano, Central Michigan University
- Giuseppe Albanese, Bank of Italy
- Laurie Schintler, George Mason University

150. Formal Paper Session: Big Data --Saturday Nov 16 | 2:45 PM-4:45 PM | Phipps

Chair: Zhenhua Chen, Ohio State University

- *Real Time Positioning of Trucks: New Insights in Transport Geography? The Case of Belgium.* Thomas Isabelle, UCLouvain; Arnaud Adam, UCLouvain
- *Impact of Extreme Weather Event on Urban Human Flow: A Perspective from Location-Based Big Data* Zhenhua Chen, The Ohio State University; Zhaoya Gong, University of Birmingham; Qiwei Ma, Tsinghua University; Changcheng Kan, Baidu Online Network Technology (Beijing) Co., Ltd
- *A Big-data Analysis of Hu-line's Existence in the Ecology View and New Economic Geographical Understanding Based on Population Distribution* Zheng Wang, Institutes of Science and Development, Chinese Academy of Sciences
- *Understanding Spatiotemporal Urban Activity Patterns with Geo-located Twitter data: A GIS-based Synthesis Approach* Junjun Yin, Pennsylvania State University; Guangqing Chi, Pennsylvania State University

Discussants:

- Junjun Yin, Pennsylvania State University
- Thomas Isabelle, UCLouvain
- Zhenhua Chen, The Ohio State University
- Zheng Wang, Institutes of Science and Development, Chinese Academy of Sciences

151. Special Session: REAL, 30 Years: Entrepreneurship and Spatial Externalities --Saturday Nov 16 | 2:45 PM-4:45 PM | Carnegie II

Organizer: Sandy Dall'Erba, University of Illinois

Chair: Sandy Dall'Erba, University of Illinois

- *FDI and female entrepreneurship: fueling local development* Alicia Gómez-Tello, Universitat de Valencia; Rosella Nicolini, Universitat Autònoma de Barcelona
- *Pumping Life into the Heartland: Entrepreneurial Ecosystems and the Lagging Industrial Heartland* Merissa Piazza, Cleveland State University; Jinhee Yun, Cleveland State University

Discussants:

- Merissa Piazza, Cleveland State University
- Rosella Nicolini, Universitat Autònoma de Barcelona

152. Formal Paper Session: Agglomeration Economies --Saturday Nov 16 | 2:45 PM-4:45 PM | Carnegie III

Chair: Mario Polese, University of Quebec

- *Urban Agglomerations: How Far Does Their Effect Extend?* Li Fang, Florida State University; Joshua Drucker, University of Illinois - Chicago
- *Why Nations Matter: Institution and the Contingent Nature of Agglomeration Economies.* Mario Polese, University of Quebec
- *Impact of the Great Recession on Retail Competition* Timothy Jaquet, Ohio State University

Discussants:

- Timothy Jaquet, Ohio State University
- Li Fang, Florida State University
- Mario Polese, University of Quebec

153. Formal Paper Session: Innovations in Spatial Statistics and Econometrics --Saturday Nov 16 | 2:45 PM-4:45 PM | Conference C

Chair: Oleg Smirnov, The University of Toledo

- *A multilevel eigenvector spatial filtering model of house prices: an application to the house sales in Fairfax County, Virginia* Lan Hu, University of Texas at Dallas; Yongwan Chun, U. of Texas at Dallas; Daniel Griffith, University Of Texas At Dallas
- *Towards a Bayesian Spatial Autoregressive Partial Linear Model* Luc Bauwens, Université catholique de Louvain; Dominique Peeters, Université catholique de Louvain; Alain Pholo Bala, University of Johannesburg
- *Closed-form consistent pseudo-maximum likelihood estimator for models with spatial dependence* Oleg Smirnov, The University of Toledo

- *Spatial-Temporal Variation and Risk Factor Analysis of Hand, Foot, and Mouth Disease in Children Under 5 Years Old in Guangxi, China* Huan Liu, Henan University; Genxin Song, Henan University; Nan He, Henan University; Hongquan Song, Henan University; Yungfeng Kong, Henan University; Lizhong Liang, The Affiliated Hospital of Guangdong Medical University; Xiaoxiao Liu, University of Calgary

Discussants:

- Huan Liu, Henan University
- Oleg Smirnov, The University of Toledo
- Lan Hu, University of Texas at Dallas
- Alain Pholo Bala, University of Johannesburg

154. Formal Paper Session: Regional and Rural Development IX: Location Decisions --Saturday Nov 16 | 2:45 PM-4:45 PM | Frick

Organizers: Sarah Low, University of Missouri; Stephan Weiler, Colorado State University

Chair: Eric Thompson, University of Nebraska - Lincoln

- *Know before you go: Examining how information generated by economic dynamism influences county level in-migration decisions* Jonathan Care, Colorado State University
- *Supply Thresholds: A New Conception for Business Locational Choice Research* Anders Van Sandt, Texas A&M University; Craig Carpenter, Texas A&M University; Rebekka Dudensing, Texas A&M University; Scott Loveridge, Michigan State University
- *The relationship between innovative business practices and geographic clustering for a large sample of US agricultural commodities* Paul D Gottlieb, Rutgers University; Stephan Goetz, Pennsylvania State University; Neil Reid, University Of Toledo; Andy Hira, Simon Fraser University; Elizabeth Dobis, Pennsylvania State University; ZHENG TIAN, Pennsylvania State University
- *The Nature of Localization Economies in the High Skill Producer Services Industry* Eric Thompson, University of Nebraska - Lincoln

Discussants:

- Anders Van Sandt, Texas A&M University
- Paul D Gottlieb, Rutgers University
- Eric Thompson, University of Nebraska - Lincoln
- Jonathan Care, Colorado State University

155. Formal Paper Session: Foreign Aid and Investment --Saturday Nov 16 | 2:45 PM-4:45 PM | Vandergrift

Chair: Jinhwan Oh, Ewha Womans University

- *Analyzing Location Determinants of Greenfield Foreign Investment in Mexico: An Eigenvector Spatial Filtering Approach* David Saucedo De La Fuente, The University of Texas at Dallas; Paulo Cavallo, University of Texas - Dallas

- *Closing the Gap Between the IMF and Human Trafficking* Adrienne Hua, University of North Carolina at Charlotte; Jean-Claude Thill, University of North Carolina - Charlotte
- *FDI and Labor Market Dynamics in a Developing Country: Evidence from Indonesian Plant-Level Data* Toshiyuki Matsuura, Keio University; Hisamitsu Saito, Hokkaido University
- *A Gravity Approach of Foreign Aid Disbursement: The Case of South Korea, with Reference to Education Sector* Jinhwan Oh, Ewha Womans University

Discussants:

- Jinhwan Oh, Ewha Womans University
- David Saucedo De La Fuente, The University of Texas at Dallas
- Jean-Claude Thill, University of North Carolina - Charlotte
- Toshiyuki Matsuura, Keio University

Index to Participants

Abayateye, Philemon (philemonkwame@gmail.com): 123
 Abe, Yukiko (abey@econ.hokudai.ac.jp): 102
 Adam, Arnaud (a.adam@uclouvain.be): 150
 Afonso, Damares (damaresalopes@gmail.com): 37
 Ahrend, Rudiger (Rudiger.AHREND@oecd.org): 80
 Ahumada, Gustavo (gusahu18@gmail.com): 68
 Akbar, Prottoy (paa36@pitt.edu): 51
 Albanese, Giuseppe (giuseppe.albanese@bancaditalia.it): 149
 Aliprantis, Dionissi (email not available): 144
 Allen, Jeff (jeff.allen@mail.utoronto.ca): 61 , 130
 Almeida, Eloiza Regina Ferreira de (eloiza.regina@uol.com.br): 83
 Alvayay, Camila (caat.940@gmail.com): 95
 An, Donghwan (dha@snu.ac.kr): 16 , 35 , 77
 Ando, Asao (andoa@alumni.upenn.edu): 16
 Anselin, Luc (anselin@uchicago.edu): 106
 Aparidian, Rebekka (rapardi@rockets.utoledo.edu): 19
 Aquaro, Michele (Michele.AQUARO@ec.europa.eu): 86
 Aragon, Jorge Alberto (jorgealbertoorellanaaragon@gmail.com): 74
 Araujo, Inacio (inaciovaj@gmail.com): 106
 Arbia, Giuseppe (giuseppearbia13@gmail.com): 11 , 30 , 101 , 109
 Arimura, Toshi. H. (toshi.arimura@gmail.com): 14
 Aroca, Patricio (patricio.aroca@uai.cl): 82 , 106 , 124
 Arribas-Bel, Daniel (D.Arribas-Bel@liverpool.ac.uk): 121
 Ashraf, Ather (atherashraf@gmail.com): 77
 Avelino, Andre (Andre.FernandesTomonAvelino@nrel.gov): 60
 Avery, Mallory (mla49@pitt.edu): 111 , 144
 BAE, JINWON (jinwon.bae@gmail.com): 147
 Baena, David (dbaenac@eafit.edu.co): 51
 Bagchi-Sen, Sharmistha (geosbs@buffalo.edu): 120
 Bailey, Natalia (natalia.bailey@monash.edu): 86 , 108

Baker, Dwayne (dwaybake@gmail.com): 67
 Bardaka, Eleni (ebardak@ncsu.edu): 17 , 39 , 61
 Barkham, Richard (r.barkham@cbre.com): 140
 Barla , Philippe (pbar@ecn.ulaval.ca): 39
 Barone, Guglielmo (guglielmo.barone@bancaditalia.it): 149
 Bartholomae, Florian (florian.bartholomae@munich-business-school.de): 137
 Bastos, Suzana (quinet.bastos@ufjf.edu.br): 37 , 114
 Batabyal, Amit (aabgsh@rit.edu): 54 , 64
 Batey, Peter (pwjbatey@liv.ac.uk): 6 , 22 , 116
 Batty, Michael (m.batty@ucl.ac.uk): 22
 Bauwens, Luc (luc.bauwens@uclouvain.be): 153
 Beladi, Hamid (Hamid.Beladi@utsa.edu): 54
 Beland, Louis-Phillipe (lbeland@lsu.edu): 110
 Bell, Kathleen (kpbell@maine.edu): 98
 Belleville, Douglas (db098313@ohio.edu): 115
 Benatti, Clarissa (benatti.clarissa@gmail.com): 76
 Bera, Anil (abera@illinois.edu): 109
 Bergstrom, John (jberg@uga.edu): 92
 Betarelli Junior, Admir (abetarelli@gmail.com): 114
 Betz, Michael (betz.40@osu.edu): 111 , 125
 Bhadury, Joy (jbhadury@radford.edu): 75 , 134
 Biderman, Ciro (ciro.biderman@gmail.com): 61
 Bills, Tierra (tierra.bills@gmail.com): 51
 Bittencourt, Mauricio Vaz Lobo (mbittencourt@msn.com): 34
 Blake, Barbara (bblakego@odu.edu): 84 , 144
 BLANDON LOPEZ, ALEXANDER (blandon2008@hotmail.com): 63
 Blandón López, Alexander (ablandonl@ut.edu.co): 63
 Blemings, Ben (benblemings@gmail.com): 45
 Blien, Uwe (uwe.blien@iab.de): 53 , 83
 Boarnet, Marlon (boarnet@price.usc.edu): 131
 Bock, Margaret (mbock1@mix.wvu.edu): 45 , 82
 Bonet, Jaime (jbonetmo@banrep.gov.co): 120 , 147
 Bonilla, Leonardo (lbonilme@banrep.gov.co): 128
 Boschma, Ron (R.A.Boschma@uu.nl): 49
 Bostic, Raphael (Raphael.Bostic@atl.frb.org): 131
 Bounds, Bonnie (bebounds@gmail.com): 68
 Bowen, William (w.bowen@csuohio.edu): 50
 Boyce, David (dboyce@uic.edu): 22
 Boyer, Christopher (cboyer3@utk.edu): 85
 Brakman, Steven (s.brakman@rug.nl): 53 , 73
 Brasington, David (brasindd@ucmail.uc.edu): 17
 Brent, Daniel (dab320@psu.edu): 110
 Brown, Jason (jason.brown@kc.frb.org): 65
 Brown, Mark (mark.brown@canada.ca): 105 , 123 , 133
 Brueckner, Jan (jkbrueck@uci.edu): 64 , 73
 Bunting, Erin (ebunting@msu.edu): 85
 Burinskiy, Gene (burinski@usc.edu): 131
 Burnett, Wesley (burnettjw@cofc.edu): 92
 Burtner, Susan (sab00@ucsb.edu): 107
 Calvi Gomes, Laura (lauracalvigomes@gmail.com): 34
 Cameron, Michael (mcam@waikato.ac.nz): 12

Capello, Roberta (roberta.capello@polimi.it): 9 , 119
 Cappelli, Federica (federica.cappelli@uniroma3.it): 23
 Caragliu, Andrea (andrea.caragliu@polimi.it): 59 , 119
 Care, Jonathan (Jonathan.Care@colostate.edu): 112 , 154
 Carpenter, Craig (ccarpenter@tamu.edu): 18 , 81 , 112 , 154
 Carrel, Andre (carrel.20@osu.edu): 15
 Carruthers, John (john.carruthers@cornell.edu): 15
 Cartone, Alfredo (alfredo.cartone@unich.it): 48 , 122
 Carvalho, Mckenzie (mckenzie.carvalho@okstate.edu): 112
 Cavallo, Paulo (Paulo.Cavallo@utdallas.edu): 155
 Cebula, Richard (dr.richardcebula@gmail.com): 127
 Cen, Yan (cenyao0304@live.cn): 80
 Chacon-Hurtado, Davis (dchaconh@alumni.purdue.edu): 61
 Chae, Jiyoung (jchae3@illinois.edu): 108
 Chagas, Andre (achagas@usp.br): 40 , 48 , 83 , 106 , 149
 Chairassamee, Nattanicha (chairassamee.1@osu.edu): 31 , 68
 Champagne, Marie-Pier (marie-pier.champagne.5@ulaval.ca): 39
 Chan, Jeff (jchan@wlu.ca): 113
 Chang, Fa-Hsiang (fchang@kean.edu): 79
 Chasco, Coro (coro.chasco@uam.es): 106
 Chegut, Andrea (achegut@mit.edu): 140
 Chein, Flavia (flavia.chein@ufjf.edu.br): 76 , 104
 Chen, Yen-Tyng (ychen22@medicine.bsd.uchicago.edu): 84
 Chen, Yong (yong.chen@oregonstate.edu): 99
 Chen, Yulong (chenyulong0203@163.com): 134
 Chen, Zhangliang (zchen105@gmail.com): 106
 Chen, Zhenhua (chen.7172@osu.edu): 20 , 99 , 150
 Cheng, Shaoming (scheng@fiu.edu): 127
 Chi, Guangqing (gchi@psu.edu): 4 , 12 , 150
 Chih, Yao-Yu (y_c66@txstate.edu): 24
 Chimeli, Ariaster (chimeli@usp.br): 20
 Chriestenson, Chad (chriestenson@wisc.edu): 36
 Christman, Zachary (christmanz@rowan.edu): 131
 Chun, Yongwan (ywchun@utdallas.edu): 41 , 107 , 153
 Chung, Seung-hun (chung.627@osu.edu): 16 , 119
 Church, Michelle (churchm@msu.edu): 85
 Church, Rick (church@geog.ucsb.edu): 75 , 107
 Clark, Christopher (cclark3@utk.edu): 85
 Clark, Davide (david.clark@marquette.edu): 15
 Clay, Karen (kclay@andrew.cmu.edu): 76 , 133
 Colocousis, Chris (colococr@jmu.edu): 98
 Conigliani, Caterina (caterina.conigliani@uniroma3.it): 23
 Connaughton, John (jec@uncc.edu): 127
 Connor, Dylan (Dylan.Connor@asu.edu): 123
 Conroy, Tessa (Tessa.Conroy@wisc.edu): 36 , 141
 Cooke, Abigail (amcooke@buffalo.edu): 46 , 105 , 123 , 133
 Cornwall, Gary (grycrnwill@gmail.com): 47
 Costantini, Valeria (valeria.costantini@uniroma3.it): 23
 Coughlin, Cletus (coughlin@stls.frb.org): 123 , 133
 Coulson, Edward (n.edward.coulson@gmail.com): 38 , 73
 Craig, Steven (scraig2@central.uh.edu): 64 , 113

Crandall, Mindy (mindy.crandall@maine.edu): 98
 Crawley, Andrew (andrew.crawley@maine.edu): 97 , 127
 Credit, Kevin (kcredit@uchicago.edu): 78
 Crown, Daniel (crown.17@osu.edu): 105
 Cultice, Brian (cultice.7@osu.edu): 51
 Cushing, Brian (brian.cushing@mail.wvu.edu): 84 , 111 , 144
 D`Lima, Walter (wdlima@nd.edu): 38
 Daams, Michiel (m.n.daams@rug.nl): 140
 Dall'Erba, Sandy (dallerba@illinois.edu): 14 , 34 , 49 , 60 , 106 , 122 , 136 , 151
 DaMata, Daniel (daniel.damata@fgv.br): 76
 de Blasio, Guido (guido.deblasio@bancaditalia.it): 149
 de Castro Araujo, Veneziano (venezianoa@gmail.com): 83
 DE LEON ARIAS, ADRIAN (leonarias2013@gmail.com): 124
 Dearmon, Jacob (jdearmon@hotmail.com): 126
 Defever, Kali (kdefever@medicine.bsd.uchicago.edu): 84
 Del Bo, Chiara (chiara.delbo@unimi.it): 59
 Deller, Steven (scdeller@wisc.edu): 129
 Deming, Kristopher (Kristopher.Deming@colostate.edu): 18
 Demko, Iryna (i.demko@csuohio.edu): 55
 Dentinho, Tomaz (tomas.lc.dentinho@uac.pt): 34 , 44 , 106 , 135
 Díaz-Carreño, Miguel (madiazc@uaemex.mx): 124
 Dickson, Maria Michela (mariamichela.dickson@unitn.it): 109
 Ding, Lei (lei.ding@phil.frb.org): 131
 Ding, Xiaozhou (xiaozhou.ding@uky.edu): 67
 Ding, Yibing (dingyb@jlu.edu.cn): 139
 Dobis, Elizabeth (edobis@psu.edu): 55 , 69 , 121 , 125 , 154
 Donaghy, Kieran (kpd23@cornell.edu): 22 , 37 , 145
 Donegan, Connor (connor.donegan@utdallas.edu): 126
 Dong, Xiao (dong.547@osu.edu): 98
 Dong, Yaning (dongyn@pku.edu.cn): 121 , 134
 dos Santos Queiroz Orellana, Vivian (viviansq13@gmail.com): 74
 Dragicevic , Suzana (suzanad@sfu.ca): 126
 Drucker, Joshua (jdruck@uic.edu): 152
 Du, Rui (rui.du@okstate.edu): 17
 Dubé, Jean (Jean.Dube@esad.ulaval.ca): 39
 Dudensing, Rebekka (rmdudensing@tamu.edu): 18 , 81 , 154
 Dunn, Leslie (ldunn@washjeff.edu): 63
 Dunn, Robert (rdunn@washjeff.edu): 63
 Duque, Juan C. (juanca.duque@gmail.com): 80
 Edmiston, Kelly (kelly.edmiston@kc.frb.org): 81
 Eichholtz, Piet (p.eichholtz@maastrichtuniversity.nl): 148
 Elhorst, Paul (j.p.elhorst@rug.nl): 41 , 70
 Ellis, Kaitlin (Kaitlin.Ellis@uchospitals.edu): 84
 Ellis, Stephen (sellis@ou.edu): 50
 English, Burton (benglish@utk.edu): 85
 Erfanian, Elham (elhamerfanian@mix.wvu.edu): 84 , 111 , 144
 Espa, Giuseppe (giuseppe.espa@unitn.it): 109
 Etienne, Xiaoli (xletienne@mail.wvu.edu): 98
 Eun, Sungtae (sungtae.eun@ttu.edu): 35 , 128
 Faggian, Alessandra (alessandra.faggian@gssi.it): 73 , 105
 Falentina, Anna (anna.falentina@anu.edu.au): 130

Fan, Tianyi (tianyifa@mit.edu): 70
Fang, Li (kerrylifang@gmail.com): 152
Fantechi, Federico (federico.fantechi@gssi.it): 99
Farber, Steven (steven.farber@utoronto.ca): 61 , 130
Fazio, Giorgio (giorgiofazio@gmail.com): 128 , 147
Fee, Kyle (email not available): 144
Fei, Da (feidanju@gmail.com): 15
Feldman, Maryann (email not available): 73
Feng, Bo (fengb@marshall.edu): 113
Fernandes, Raphael (raphael.fernandes@usp.br): 119
Ferreira, João Pedro (joao.ferreira@fe.uc.pt): 60
Ferreira, Josiane de Sousa (josiane,mgf@gmail.com): 23
Ferreira, Sandro de Freitas (sandroffbr@gmail.com): 114
Fetahu, Elvira (elvira fetahu@yahoo.com): 115
Figeroa-Armijos, Maria (mfigueroa@american.edu): 97
Figeroa-Armijos, Maria (mfigueroaarmijos@gmail.com): 91
Finio, Nicholas (nfinio@umd.edu): 92
Fleming, David (David.Fleming@csiro.au): 35
Fleschert, Benjamin (ben.fleschert@ewgateway.org): 148
Folch, David (david.folch@nau.edu): 104
Folmer, Henk (h.folmer@rug.nl): 40
Fouzia, Sultana (fouzias@oregonstate.edu): 99
Fowler, Christopher (csfowler@psu.edu): 104
Franklin, Rachel (Rachel.Franklin@newcastle.ac.uk): 105 , 123 , 133
Fricker, Jon (fricker@purdue.edu): 61
Friedman, Sam (samuel.friedman@nyulangone.org): 84
Fritz, Oliver (Oliver.Fritz@wifo.ac.at): 60
Fu, Shihe (fushihe@gmail.com): 96
Fu, Wenying (wenying.fu@northumbria.ac.uk): 62
Furceri, Davide (davide.furceri@unipa.it): 59
Galvis, Luis (lgalvis74@gmail.com): 128
GAO, Xiang (williamgao1993@163.com): 46
Gao, Zhuoqun (zg262@cornell.edu): 100
Garcia, Gustavo (gusgarciacruz@gmail.com): 51
García-López, Miquel-Angel (MiquelAngel.Garcia@uab.cat): 100
Garduño-Rivera, Rafael (rafael.garduno@gmail.com): 34
Garza Puentes , Nestor (nestor.garza.puentes@gmail.com): 82
Gascon, Charles (gascon@stls.frb.org): 133
Gaughan, Andrea (aegaughan@louisville.edu): 126
Georgic, Will (wgeorgic@gmail.com): 145
Gerritse, Michiel (gerritse@ese.eur.nl): 119
Gholamialam, Ashkan (agholamialam@mail.missouri.edu): 93
Gillespie, Brian (b.j.gillespie@rug.nl): 105
Giuliani, Diego (diego.giuliani@unitn.it): 109
Gkritza, Konstantina (nadia@purdue.edu): 39 , 54 , 61
Glaeser, Edward (email not available): 43
Goetz, Stephan (sjg16@psu.edu): 26 , 55 , 69 , 115 , 142 , 154
Goldstein, Joshua (jrg3bs@virginia.edu): 94
Gomez, Catalina (cgomez1@eafit.edu.co): 105
Gomez, Sara (saramgomez@icloud.com): 128
Gómez-Tello, Alicia (alicia.gomez-tello@uv.es): 151

Gong, Zhaoya (z.gong@bham.ac.uk): 126 , 150
 Gonzalez Rubio, Janeth (jgonzal@ut.edu.co): 63
 Gopalakrishnan, Sathya (gopalakrishnan.27@osu.edu): 98
 Gore, Christina (gore.127@osu.edu): 15
 Goto, Hiroyuki (goto-h@hosei.ac.jp): 107
 Gottlieb, Paul (pdgott@sebs.rutgers.edu): 55 , 69
 Gottlieb, Paul D (gottlieb@aesop.rutgers.edu): 55 , 69 , 154
 Goulbourne, Rushaine (rdgoulbourne@crimson.ua.edu): 128
 Grabner, Simone (simone-grabner@gmx.at): 79 , 128
 Graziano, Marcello (grazi1m@cmich.edu): 78 , 149
 Greenlee, Andrew (agreen4@illinois.edu): 67
 Griffith, Daniel (dagriffith@utdallas.edu): 41 , 101 , 107 , 153
 Grubestic, Tony (email not available): 13
 Grumstrup, Ethan (ethang@nevada.unr.edu): 65
 Guerzoni, Marco (Marco.Guerzoni@unito.it): 112
 Gulati, Bharman (bhraman@gmail.com): 18
 Guo, Hai (haguo@fiu.edu): 127
 Guo, Hao (haoguo.nau@outlook.com): 129
 Gurley-Calvez, Tami (tgurley-calvez@kumc.edu): 81
 Gwalani, Harsha (harsha.gwalani@gmail.com): 75 , 93 , 134
 Gyodi, Kristof (k.gyodi@delab.uw.edu.pl): 108
 Ha, Sang Su (aqua2s@ksu.edu): 128
 Habib, Khandker Nurul (khandker.nurulhabib@utoronto.ca): 148
 Haddad, Eduardo (ehaddad@usp.br): 31 , 77 , 106 , 110 , 119 , 136
 Haddad, Monica (haddad@iastate.edu): 114 , 131
 Hagerman, Amy (amy.hagerman@okstate.edu): 65 , 112 , 142
 Hallowell, Angela (angela.hallowell@maine.edu): 97
 Han, Jing (hanjing815@tongji.edu.cn): 95
 Han, Luyi (luhan@okstate.edu): 98
 Han, Peter (peter.han@usda.gov): 129
 HarkerSteele, Amanda (ajharkersteele@gmail.com): 92
 Harris, Thomas R. (harris@unr.edu): 65
 Haus-Reve, Silje (silje.haus-reve@uis.no): 46 , 133
 Hawkins, Jason (jason.hawkins@mail.utoronto.ca): 46 , 148
 He, Nan (hn15225128810@163.com): 153
 He, Yuanzhe (dryancen@hotmail.com): 80
 Hean, Oudom (hean.1@osu.edu): 31 , 68 , 92
 Hellwinckel, Chad (chellwin@utk.edu): 85
 Hermannsson, Kristinn (kristinn.hermannsson@Glasgow.ac.uk): 78
 HERRERA CATALÁN, PEDRO (pedro.herrera@pucp.edu.pe): 55 , 142
 Hewings, Geoffrey (hewings@illinois.edu): 34 , 46 , 60
 Hira, Andy (anil_hira@sfu.ca): 55 , 69 , 154
 Hoang, Edward (ehoang@uccs.edu): 113
 Hodges, Collin (chodges@uca.edu): 111 , 144
 Hogan, Chellie (chellie.hogan@okstate.edu): 142
 Hong, Zhe (hz1124@naver.com): 19
 Horridge, Jonathan (mark.horridge@gmail.com): 60
 Hoshino, Tadao (thoshino@waseda.jp): 47
 Hossain, Nabila (nabila.hossain5505@gmail.com): 102
 Hsieh, Chih-Sheng (cshsieh@cuhk.edu.hk): 71
 Hu, Lan (lan.hu@utdallas.edu): 153

Hua, Adrienne (ahua@uncc.edu): 155
 Hua, Yue (huayue1126@outlook.com): 62
 Huang, Kuan-Ming (kh0060@mix.wvu.edu): 98
 Huang, Wei-Chieh (muse19960113@gmail.com): 35
 Huang, Yi (yihuang4@illinois.edu): 49
 Hughes, Rodney (rodney.hughes@mail.wvu.edu): 144
 Hung, Chi-Tung (ct@mail.mcu.edu.tw): 35
 Hwang, Jackelyn (jihwang@stanford.edu): 131
 Indra, Debarshi (indradebarshi@gmail.com): 110
 Ioramashvili, Carolin (c.a.ioramashvili@lse.ac.uk): 67 , 91
 Irwin, Elena (Irwin.78@osu.edu): 15 , 51
 Irwin, Nicholas (nicholas.irwin@unlv.edu): 95
 Isabelle, THOMAS (isabelle.thomas@uclouvain.be): 150
 Islam , M. Rafikul (bijoyrafique@gmail.com): 102
 Iturra, Victor (victoriturra@gmail.com): 68
 Jackson, Randall (Randall.Jackson@mail.wvu.edu): 121
 Jaquet, Timothy (jaquet.5@osu.edu): 65 , 152
 Jaya, I Gede Nyoman Mindra (mindra@unpad.ac.id): 40
 Jeon, Hwayoung (Hwayoung.Jeon@colostate.edu): 65
 Jeong, Jaehwan (jjeong5@RADFORD.EDU): 134
 Jjinkins, David (dj.eco@cbs.dk): 38
 Jolley, G. Jason (jolleyg1@ohio.edu): 115
 Jong, Dylan (jongdylan@gmail.com): 36 , 80
 Jorge, Marco Antonio (mjorge@ufs.br): 40
 Joyce, Sam (samuelbjoyce@gmail.com): 84
 Jung, Paul (pjung1@uncc.edu): 46 , 123 , 138
 Kacher, Nicholas (njkacher@gmail.com): 81
 Kan, Changcheng (kanchangcheng@baidu.com): 150
 Kandilov, Ivan (ivan_kandilov@ncsu.edu): 129
 KANG, WEI (weikang9009@gmail.com): 1 , 123
 Karim, Ridwan (rkarim@wlu.ca): 113
 Kawabata, Mizuki (mizuki@econ.keio.ac.jp): 102
 Ke, Laiyang (ke.la@husky.neu.edu): 50
 Ke, Yue (ke10@purdue.edu): 39
 Keeler, Zachary (ztk0001@mix.wvu.edu): 39 , 129
 Kekezi, Orsa (orsa.kekezi@ju.se): 49 , 78
 Kelejian, Harry (Kelejian@econ.umd.edu): 109
 Kenkel, Phil (phil.kenkel@okstate.edu): 112
 Khalaf, Christelle (ckhalaf@ohio.edu): 115
 Kiefer, Hua (hkiefer@fdic.gov): 108
 Kiefer, Leonard (Leonard.Kiefer@freddiemac.com): 108
 Kim, Ayoung (ak1896@msstate.edu): 20 , 105
 Kim, Byula (bakim@snu.ac.kr): 60
 Kim, Euijune (euijune@snu.ac.kr): 60
 Kim, HongBae (hokim@hanyang.ac.kr): 97
 Kim, Hyun (hkim56@utk.edu): 75 , 107
 Kim, Jae Hong (jaehk6@uci.edu): 97 , 137
 Kim, Jaehyun (mars7856@snu.ac.kr): 35
 Kim, Kamyong (kamyongkim@knu.ac.kr): 93 , 107
 Kim, Kwansoo (kimk@snu.ac.kr): 35 , 77
 Kim, Nari (nari.kim@snu.ac.kr): 16

Kim, Taewan (ox_uni@hotmail.com): 38
Klaiber, H. Allen (klaiber.16@osu.edu): 94 , 98
Klier, Thomas (thomas.klier@chi.frb.org): 63
Kliesen, Kevin (kliesen@stls.frb.org): 133
Klosterman, Richard (dick.klosterman@gmail.com): 22
Knaap, Gerrit (gknaap@umd.edu): 92
Kohlhase, Janet (jkohlhase@uh.edu): 6 , 113
Kolak, Marynia (marynia.kolak@gmail.com): 84 , 111
Kong, Yungfeng (yfkong@henu.edu.cn): 153
Konig, Michael (m.d.konig@vu.nl): 71
Kosfeld, Reinhold (rkosfeld@uni-kassel.de): 48
Kourtit, Karima (email not available): 43 , 116
Kuersteiner, Guido (gkuerste@umd.edu): 24
Kulkarni, Rajendra (rkulkarn@gmu.edu): 149
Kumar, Indraneel (ikumar@purdue.edu): 61
Kures, Matt (matthew.kures@wisc.edu): 68
Lahr, Michael L (lahr@rutgers.edu): 43 , 60 , 95 , 122
Lalanne, Aurelie (aurelie.lalanne@u-bordeaux.fr): 137
Lambert, Dayton (dayton.lambert@okstate.edu): 24 , 85 , 88 , 142
Lambert, Lixia (lixia.lambert@okstate.edu): 85
LaVoice, Jessica (jessicalavoice@gmail.com): 130
Ledi Gonçalves, Solange (slgoncalves@unifesp.br): 83
Lee, Annie (annieslee777@gmail.com): 91
Lee, Hojun (dlghwnsdlekd@naver.com): 60
Lee, Hyunkyung (buldol1209@snu.ac.kr): 97
Lee, Kangoh (klee@sdsu.edu): 64
Lee, Mihong (mihong@lh.or.kr): 147
Lee, SeongWoo (seonglee@snu.ac.kr): 38
Lehnert, Matthew (matthew.lehnert@rockets.utoledo.edu): 55
Leiluo, Yufan (ldy united@gmail.com): 109
Lelo, Ketii (keti.lelo@uniroma3.it): 23
Lema, Evangelia (lema1e@cmich.edu): 149
Lembcke, Alexander (Alexander.LEMBCKE@oecd.org): 80
Lendel, Iryna (i.lendel@csuohio.edu): 55
Lenz, Peter (email not available): 91
Lesage, James (james.lesage@txstate.edu): 24 , 41 , 143
Li, Denise (denise.li@usp.br): 48 , 136
Li, Jingwen (jl3447@cornell.edu): 37 , 136
Li, Xiangyu (xiangl29@uci.edu): 137
Li, Xiumin (lixm@nenu.edu.cn): 63 , 80
Liang, Lizhong (heartmaster@163.com): 153
Liesch, Matthew (liesc1me@cmich.edu): 149
Lim, Jaewon (jaewon.lim@unlv.edu): 122
lin, cheng-chang (cclin@mail.ncku.edu.tw): 21
Lin, Regina (ucftfyl@ucl.ac.uk): 45
Lin, Wen-Yen (wylin01@mail.mcu.edu.tw): 35
Lin, Xiaoyan (93752787@qq.com): 45
Lins, Julyan (julyanlink@hotmail.com): 14
Liu, Cathy (cylui@gsu.edu): 127
Liu, Chang (cliu28@ncsu.edu): 61
Liu, Huan (liuhuan@vip.henu.edu.cn): 153

Liu, Junyang (r.lin@hit.edu.cn): 45
 Liu, Ling (liuling7107wq@163.com): 19
 Liu, Shiqin (liu.shiqi@husky.neu.edu): 50 , 62
 Liu, Wei (vickey_21@qq.com): 139
 Liu, Xiaodong (xiaodong.liu@colorado.edu): 71
 Liu, Xiaoxiao (xiaoxili@ucalgary.ca): 153
 Liu, Xiuyan (qyjj2010@163.com): 95
 Liu, Ziqi (zqliu212132@utexas.edu): 59
 Livy, Mitchell (mlivy@fullerton.edu): 20 , 95
 Long, Courtney (court7@iastate.edu): 114
 Lopez, Esteban (esteban.lopez@uai.cl): 67 , 82
 Losada Rojas, Lisa (llosadar@purdue.edu): 54
 Loveridge, Scott (loverid2@msu.edu): 18 , 81 , 154
 Low, Sarah (sarahalow@gmail.com): 18 , 36 , 52 , 65 , 81 , 112 , 129 , 141 , 154
 Lozano-Gracia, Nancy (nlozano@worldbank.org): 80
 Lundberg, Johan (johan.lundberg@umu.se): 113
 Lustosa, Maria Cecilia Junqueira (cecilialustosa@gmail.com): 23
 Ly, Tidiane (tidiane.v.ly@gmail.com): 31
 Lyrio de Oliveira, Gabriel (gabriel_ldo@usp.br): 83
 Ma, Qiwei (maqw15@mails.tsinghua.edu.cn): 150
 Mack, Elizabeth (emack@msu.edu): 85
 Madden, John (email not available): 3
 Madre, Jean-Loup (jean-loup.madre@ifsttar.fr): 70
 Maia, Ana Carolina (ana.ca.maia@gmail.com): 76
 Maiti, Abhradeep (abhradeep.maiti@iimkashipur.ac.in): 110
 Malik, Ammar A (ammar_malik@hks.harvard.edu): 66
 Malinowski, Karyn (karynmal@njaes.rutgers.edu): 69
 Mansury, Yuri (ymansury@iit.edu): 139
 Marin, Lucas (l.marinl@uniandes.edu.co): 120
 Markandya, Anil (anil.markandya@bc3research.org): 23
 Marshall, Julie (jmarshall@arc.gov): 84
 Martinez Gonzalez, Ariadna (arimartinezg@gmail.com): 138
 Matisziw, Timothy (matisziwt@missouri.edu): 75 , 93 , 107
 Matsuda, Yasumasa (yasumasa.matsuda.a4@tohoku.ac.jp): 101
 Matsumoto, Ryosuke (matsumoto.ryosuke.84@rtri.or.jp): 54
 Matsunaga, Liz (liz.matsunaga@usp.br): 20
 Matsuura, Toshiyuki (matsuura@sanken.keio.ac.jp): 155
 Mayhan, Bryan (MayhanB@missouri.edu): 93
 Mazzola, Fabio (fabio.mazzola@unipa.it): 59
 McCann, Philip (p.mccann@sheffield.ac.uk): 36 , 140
 McCarthy, Lauren (lmccart5@gmu.edu): 54
 McDonald, John (mcdonald@uic.edu): 140
 McLaughlin, Ralph (rmclaughlin@corelogic.com): 44 , 115
 McLuckie, Colleen (Colleen.McLuckie@illinois.gov): 84
 McMillen, Dan (email not available): 73
 Meadowcroft, Devon (dpm5868@psu.edu): 84 , 111
 Medwid, Laura (medwidla@msu.edu): 85
 Meister, Moritz (Moritz.Meister@iab.de): 100
 Mejia, Juan (jfmejia@eafit.edu.co): 105
 Mejia-Reyes, Pablo (pmejiare@uaemex.mx): 124
 Mellander, Charlotta (Charlotta.Mellander@ju.se): 78

Menezes, Tatiane (tatianedemenezes@gmail.com): 14 , 40
Mikler, Armin (mikler@unt.edu): 75 , 134
Miller, Cristina (christina.miller@cms.hhs.gov): 14 , 125
Minier, Jenny (jminier@uky.edu): 129
Miron, John (miron@utsc.utoronto.ca): 21
Mitze, Timo (tmitze@sam.sdu.dk): 48
Mizuno, Keizo (kmizuno@kwansei.ac.jp): 53
Modica, Marco (marco.modica@gssi.it): 79 , 99 , 128 , 147
Mondal, Mohana (mm399@students.waikato.ac.nz): 12
Moore, Jacob (jacob.moore@economics.ox.ac.uk): 36 , 80 , 112
Morales, Felipe (f.morales@edu.uai.cl): 82
Morawetz, Ulrich (ulrich.morawetz@boku.ac.at): 94
Morin, Tyler (morin.43@osu.edu): 45
Morzillo, Anita (anita.morzillo@uconn.edu): 98
Mu, Jianhong (mujh@tamu.edu): 99
Mu, Wangshu (wangshum@asu.edu): 93
Mueller, Andrew (andrew.mueller@du.edu): 81
mulamba, kabeya clement (mkclement@gmail.com): 48
Munroe, Darla (munroe.9@osu.edu): 98
Murakami, Daisuke (dmuraka@ism.ac.jp): 101
Murata, Yasusada (email not available): 73
Murray, Alan (amurray@ucsb.edu): 75 , 93 , 107 , 134
Musse, Isabel (imusse2@illinois.edu): 84 , 144
Na, Hyemin (nhm9934@lh.or.kr): 147
Nafari, Baraka (alainpholo@gmail.com): 139
nagar, weitzman (weitzman.nagar@gmail.com): 79
Naito, Tohru (tnaito@mail.doshisha.ac.jp): 59
Nam, Kyung-Min (knam@hku.hk): 96
Nardelli, vincenzo (vincenzo.nardelli01@icatt.it): 101
Nawaro, Lukasz (l.nawaro@delab.uw.edu.pl): 108
Naz Raja, Iqra (iqranazraja@yahoo.com): 77
Newbold, Bruce (newbold@mcmaster.ca): 92 , 105 , 123 , 133
Nichols, Bonnie (email not available): 91
Nicolini, Rosella (rosella.nicolini@uab.cat): 100 , 151
Nijkamp, Peter (email not available): 43 , 116
Nilsson, Isabelle (inilso1@uncc.edu): 46 , 67 , 115
Nishigaki, Yasuyuki (nisigaki@econ.ryukoku.ac.jp): 78
Niu, Dongxiao (ndx18@mails.tsinghua.edu.cn): 94
Noland, Robert (rnoland@ejb.rutgers.edu): 17 , 95
Nuccio, Massimiliano (M.Nuccio@bham.ac.uk): 112
NunezAmortegui, Hector (hector.nunez@cide.edu): 34
Nwaka, Geoffrey (geoffreynwaka@yahoo.com): 52
Ochsen, Carsten (carsten.ochsen@uni-rostock.de): 97
Oh, Jinhwan (joh@ewha.ac.kr): 139 , 155
Oh, Seunghoon (ohs2@mail.uc.edu): 17
Okuyama, Yasuhide (okuyama@kitakyu-u.ac.jp): 99 , 145
Onyenechere, Emmanuella (emmazob@yahoo.com): 12 , 52
Ortega-Argiles, Raquel (R.OrtegaArgiles@bham.ac.uk): 53
Osutei, Nene (nosutei@uci.edu): 97
Ota, Mitsuru (ota@sk.tsukuba.ac.jp): 64
Ou, Yifu (oyf915@connect.hku.hk): 96

Oyarzo, Mauricio (mauriciooyarzo@udec.cl): 50
 Pace, Kelley (kelley@pace.am): 41
 Pacheco, Taina (pacheco.taina@gmail.com): 61
 Paglialunga, Elena (elena.paglialunga@uniroma3.it): 23
 Palacios, Juan (j.palaciostemprano@maastrichtuniversity.nl): 148
 Pan, Haozhi (hpan8@illinois.edu): 34
 Panzera, Domenica (domenica.panzera@unich.it): 48 , 122 , 134
 Papanicolaou, Thanos (tpapanic@utk.edu): 85
 Paredes, Dusan (dparedes@ucn.cl): 50 , 95
 Parent, Olivier (olivier.parent@uc.edu): 71
 Park, In Kwon (parkik@snu.ac.kr): 19
 Partridge, Mark D. (partridge.27@osu.edu): 62 , 68 , 73 , 89 , 92 , 105 , 138 , 148
 Patino, Jorge E. (jpatinoq@eafit.edu.co): 80
 Patrick, Carlianne (cpatrick@gsu.edu): 62 , 148
 Patuelli, Roberto (roberto.patuelli@unibo.it): 115
 Pearsall, Hamil (hamil.pearsall@temple.edu): 131
 Peeters, Dominique (dominique.peeters@uclouvain.be): 153
 Pender, John (john.pender@usda.gov): 129
 Peng, Qiong (xqpeng@umd.edu): 38 , 92
 Pennerstorfer, Dieter (dieter.pennerstorfer@jku.at): 122
 Perez, Javier (gjavierperezv@gmail.com): 120
 Perez-Silva, Rodrigo (rodrigo.perez@umayor.cl): 68
 Perobelli, Fernando (fernandosalgueiro.perobelli@gmail.com): 37 , 106
 Pesaran, Hashem (pesaran@usc.edu): 47 , 86
 Petach, Luke (luke.petach@belmont.edu): 36 , 81
 PETERS, DAVID (dpeters@iastate.edu): 84 , 111
 Peters, Jan Cornelius (Cornelius.Peters@thuenen.de): 100
 Pham, Tuyen (tp0014@mix.wvu.edu): 114 , 125
 Pho, Mai (mpho@bsd.uchicago.edu): 84
 Pholo Bala, Alain (apholo@uj.ac.za): 139 , 153
 Piazza, Merissa (m.c.piazza83@csuohio.edu): 55 , 151
 Pinto, Santiago (santiago.pinto@rich.frb.org): 21
 Piras, Gianfranco (gpiras@mac.com): 109
 Pirotte, Alain (alain.pirotte@u-paris2.fr): 70
 Pizzuto, Pietro (pietro.pizzuto02@unipa.it): 59
 PlaHovinsak, Tom (plahovinsaktj@longwood.edu): 81
 Plakias, Zoë (plakias.2@osu.edu): 138
 Plemmons, Alicia (amplemmons@gmail.com): 79
 Pludow, Bryce (bapludow@geog.ucsb.edu): 93 , 107
 Poleacovschi, Cristina (poleacov@iastate.edu): 114
 Polese, Mario (mario.polese@ucs.inrs.ca): 152
 Poot, Jacques (j.poot@vu.nl): 12
 Porsse, Alexandre (porsse@gmail.com): 34 , 49 , 92
 Portnykh, Margarita (mportnyk@andrew.cmu.edu): 133
 Postiglione, Paolo (postigli@unich.it): 48 , 106 , 122
 Prates, Thierry (thierry_prates@hotmail.com): 23 , 40
 Pristavec, Teja (tp2sk@virginia.edu): 94
 Prohofsky, Allen (Allen.Prohofsky@ftb.ca.gov): 131
 Prucha, Ingmar R (prucha@umd.edu): 24
 Pyrialakou, V. Dimitra (vdpyrialakou@gmail.com): 17 , 39 , 61
 Qian, Haifeng (haifeng-qian@uiowa.edu): 62

Ramirez Beltran, Nubia Paola (nubiapbeltran@gmail.com): 63
 Ramirez, Katerine (ramireznieto.1@osu.edu): 100
 Ramos, Rodrigo (r.ramos.hc@gmail.com): 40
 Reid, Neil (NEIL.REID@UTOLEDO.EDU): 19 , 26 , 55 , 69 , 115 , 154
 Renkow, Mitch (renkow@ncsu.edu): 129
 Renna, Francesco (frenna@uakron.edu): 83
 Resosudarmo, Budy (budy.resosudarmo@anu.edu.au): 130
 Restrepo, Paula (prestrepocadavid@worldbank.org): 80
 Rey, Sergio (sergio.rey@ucr.edu): 1 , 107 , 123
 Reynolds, Parker (parkerhreynolds@gmail.com): 54
 Riaz, Omar (omarriazpk@gmail.com): 66
 Ricciulli, Diana (driccima@banrep.gov.co): 147
 Richardson, Kathrine (kathrine.richardson@sjsu.edu): 143
 Rick, Christopher (carick@syr.edu): 130
 Rodnyanansky, Seva (seva@berkeley.edu): 131
 Rogers, Cynthia (crogers@ou.edu): 50
 Rogerson, Peter (rogerson@buffalo.edu): 119
 Roig Sabaté, Jose Luis (josepluis.roig@uab.cat): 100
 Rokicki, Bartlomiej (brokicki@wne.uw.edu.pl): 60
 Roos, Louis (email not available): 3
 Rose, Adam (adam.rose@usc.edu): 99 , 145
 Ross, Amanda (aross@cba.ua.edu): 85 , 138
 Rossen, Anja (anja.rossen4@iab.de): 100
 Rubenstein, James (rubensjm@miamioh.edu): 63
 Rubio Rodríguez, Gustavo Adolfo (gustavoadolforubio@gmail.com): 63
 Rupasingha, Anil (anil.rupasingha@usda.gov): 36
 Sadayuki, Taisuke (tai.sadayuki@gmail.com): 14
 Saenz Zapata, Jose (josan7771@gmail.com): 82
 Saito, Hisamitsu (saitoh@econ.hokudai.ac.jp): 155
 Sanchez , Melinda (melinda1@iastate.edu): 131
 Sanchez, Andres (afsanchezs@eafit.edu.co): 105
 Sanders, Austin (sandersad@health.missouri.edu): 141
 Santi, Flavio (flavio.santi@univr.it): 109
 Sarker, M. Mizanur Rahman (mrs_bd@yahoo.com): 102
 Sass, Karina Simone (karinasass@usp.br): 77 , 136
 Sato, Takaki (satotakananana@gmail.com): 101
 Saucedo De La Fuente, David (dxs144830@utdallas.edu): 155
 Sauley, Beau (sauleybu@mail.uc.edu): 47 , 70
 Sayago Gomez, Juan Tomas (juantomas.sayago@gmail.com): 14 , 84 , 111
 Scandurra, Rosario (rosario.scandurra@uab.cat): 78
 Schaeffer, Peter (Peter.Schaeffer@mail.wvu.edu): 52
 Schindler, Nora (nora.schindler@wu.ac.at): 122
 Schintler, Laurie (lschintler@gmail.com): 149
 Schmick, Ethan (eschmick@washjeff.edu): 76
 Schmidt, Claudia (cschmidt@psu.edu): 115 , 142
 Schoenberg, Alina (alina.schoenberg@fh-krems.ac.at): 137
 Schoenmaker, Dennis (d.schoenmaker@aew.com): 140
 Schreiner, Sydney (schreiner.77@osu.edu): 62 , 131
 Schunder, Torsten (email not available): 120
 Schweitzer, Mark (mark.schweitzer@clev.frb.org): 84 , 111 , 144
 Severnini, Edson (ersevernini@gmail.com): 76 , 133

Seya, Hajime (hseya@people.kobe-u.ac.jp): 101
 Sforza, Giorgia (giorgia.sforza@uniroma3.it): 23
 Shakya, Shishir (shishir.shakya@mail.wvu.edu): 31 , 79 , 98 , 114
 Sheng, Yuxue (nkshengyuxue@126.com): 143
 Shi, Tie (shitie@stu.xmu.edu.cn): 120
 Shibatsuji, Yuki (yuuki.sh.eco@keio.jp): 102
 Shideler, Dave (dave.shideler@okstate.edu): 112
 Shihe, Fu (fushihe@xmu.edu.cn): 64
 Silva, Eduardo (edmusta@gmail.com): 149
 Silva, Rhafaella Karlla Costa Santana da (rhafaellakarlla@hotmail.com): 40
 Sinha, Parmanand (p0sinh02@louisville.edu): 126
 Skidmore, Mark (mskidmor@anr.msu.edu): 95
 Slaper, Timothy (tslaper@indiana.edu): 18 , 91
 Smirnov, Oleg (oleg.smirnov@utoledo.edu): 153
 Smith, Aaron (aaron.smith@utk.edu): 85
 Smith, Tony E. (tesmith@seas.upenn.edu): 126
 Soares, Rodrigo (r.soares@columbia.edu): 76
 Song, Genxin (email not available): 153
 Song, Hongquan (email not available): 153
 Song, Jun (Jun.Song@uncc.edu): 46
 Soroui, Sarah (sorouist@brandeis.edu): 141
 Stavick, John (jstavick@iu.edu): 18
 Stenberg, Peter (nordacad13@gmail.com): 112
 Stephens, Heather (heather.stephens@mail.wvu.edu): 15 , 39 , 111 , 121
 Stevens, Forrest (forrest.stevens@louisville.edu): 126
 Stough, Roger R (rstough@gmu.edu): 149
 Suh, David (david.t.suh@uconn.edu): 128
 Sun, Ling Ling (e18d501@mail.ryukoku.ac.jp): 78
 Sun, Weizeng (swz1989@qq.com): 94 , 148
 Sun, Xiangwei (xiangwei_sun@163.com): 122
 Sun, Xudong (XUDONG@MIT.EDU): 140
 Swindall, Devin (email not available): 2
 Takuma, Fumio (t-fumio@meikai.ac.jp): 16
 Tan, Chang (c.tan@student.rug.nl): 41
 TANG, Wei (tangwei616@gmail.com): 49 , 127
 Tao, Ran (rtao@usf.edu): 126
 Taylor, Sam (samuel.taylor@mail.wvu.edu): 15
 Teraji, Yusuke (yteraji@tezukayama-u.ac.jp): 21 , 38
 Terschan, Lauren (Lauren.Terschan@atl.frb.org): 81
 Terzidis, Nikolaos (n.terzidis@rug.nl): 53
 Thill, Jean-Claude (Jean-Claude.Thill@uncc.edu): 126 , 138 , 155
 Thome, Eduardo (eduardo_mthome@hotmail.com): 92
 Thompson, Eric (ethompson2@unl.edu): 154
 TIAN, ZHENG (zngtian@gmail.com): 55 , 69 , 115 , 142 , 154
 Tiwari, Chetan (chetan.tiwari@unt.edu): 75 , 134
 Többen , Johannes (johannes.tobben@ntnu.no): 60
 Tong, Daoqin (Daoqin.Tong@asu.edu): 93 , 134
 Torre, Andre (email not available): 43
 Trauth, Kathleen (TrauthK@missouri.edu): 93
 Trevino, Jesús (jtrevino41@hotmail.com): 124
 Troesken, Werner (troesken@pitt.edu): 76

Trouw, Michael (mtrouw@gmail.com): 141
 Tsvetkova, Alexandra (Alexandra.TSVETKOVA@oecd.org): 62 , 80
 Tubadji , Annie (atubadji@hotmail.com): 147
 Uhr, Daniel (daniel.uhr@gmail.com): 106
 Uhr, Julia (zierouhr@gmail.com): 106
 Vamosy, Domonkos (d.vamosy@pitt.edu): 130
 van Dijk, Jouke (jouke.van.dijk@rug.nl): 66
 van Leeuwen, Eveline (eveline.vanleeuwen@wur.nl): 121
 Van Sandt, Anders (avansandt@tamu.edu): 18 , 81 , 154
 Velasquez, Hermilson (evelas@eafit.edu.co): 105
 Veneri, Paolo (paolo.veneri@oecd.org): 140
 Venhorst, Viktor (v.a.venhorst@rug.nl): 36 , 105
 Veras de Paiva Fonseca, Henrique (hveras@oberlin.edu): 104
 Viard, V. Brian (brianviard@ckgsb.edu.cn): 96
 Vici, Laura (laura.vici@unibo.it): 115
 Vieira, Renato (schwmbc2@illinois.edu): 110
 Vogel, Stephen J (svogel@ers.usda.gov): 121
 Waldorf, Brigitte (bwaldorf@purdue.edu): 105
 Wan, Xi (xiiwan@gmail.com): 82
 Wang, Haoying (halking.econ@gmail.com): 37
 Wang, Jin (jwangjin@mit.edu): 17
 Wang, Peng (jnuwp@163.com): 45
 Wang, Qiao (wangqiao_seu@163.com): 95
 Wang, Sicheng (sicheng.wang@rutgers.edu): 17 , 95
 Wang, Yuan (ywang@jjx.ecnu.edu.cn): 49
 Wang, Zheng (wangzheng@casipm.ac.cn): 150
 Watanabe, Daisuke (daisuke@kaiyodai.ac.jp): 75 , 93
 Wei, Dan (danwei@usc.edu): 99
 Wei, Diana (Diana.Wei@occ.treas.gov): 108
 Wei, Ran (ran.wei@ucr.edu): 75 , 93 , 107
 Weiler, Stephan (stephan.weiler@colostate.edu): 18 , 36 , 52 , 65 , 81 , 112 , 129 , 141 , 154
 Weinert, Jennifer (Jrw187@scarletmail.rutgers.edu): 69
 Weinstein, Amanda (aweinstein@uakron.edu): 83
 Weiss, Christoph (christph.weiss@wu.ac.at): 122
 Welch, Timothy (welch@gatech.edu): 17
 Weng, Huibin (wenghn@mail.uc.edu): 12 , 71
 Whitacre, Brian (brian.whitacre@okstate.edu): 84 , 129
 White, Mark (whitemc@missouri.edu): 141
 Winters, John (winters1@iastate.edu): 52 , 78
 Wojan, Timothy R (twojan@ers.usda.gov): 91 , 143
 Wrenn, Douglas (dhw121@psu.edu): 98
 Xiao, Wei (xiaow@swufe.edu.cn): 142
 Xie, Sijiao (sxie20@asu.edu): 123
 Xiuye, Bai (shiningbaixiuye@gmail.com): 64
 Xu, Minhong (mxu23@illinois.edu): 14
 Xu, Yilan (yilanxu@illinois.edu): 14 , 104
 Yang, Cuihong (chyang@iss.ac.cn): 46
 Yang, Cynthia (cynthia.yang@fsu.edu): 47
 Yang, River (zhe.yang@canada.ca): 123
 Yang, Tianren (tianren.yang@hotmail.com): 34
 Yang, Zhenlin (zlyang@smu.edu.sg): 28

Yao, Ye (ye.yao@rutgers.edu): 16
Yencha, Christopher (christopheryencha@weber.edu): 138
Yilmazer, Tansel (yilmazer.2@osu.edu): 104
Yin, Chuhan (cy81@duke.edu): 19
Yin, Junjun (jyin@psu.edu): 4 , 12 , 150
Yontcheva, Biliana (biliana.yontcheva@wu.ac.at): 122
Yoo, Seung (s.j.yoo@sookmyung.ac.kr): 64
Yoshida, Takahiro (yoshida.takahiro@nies.go.jp): 47
Yu, Kihwan (phx@nate.com): 77
Yun, Jinhee (jhyun321@gmail.com): 151
Yun, Seong (seong.yun@msstate.edu): 20 , 105
Zhang, Ming (zhangm@austin.utexas.edu): 59
Zhang, Peng (peng.af.zhang@polyu.edu.hk): 96
Zhang, Xue (xz435@cornell.edu): 66
Zhang, Yixin (y Zhang28@worldbank.org): 70
Zheng, Bao-Li (1539424047@qq.com): 96
Zheng, Siqi (sqzheng@mit.edu): 94 , 96 , 148
Zhou, Lei (20141262750@nuist.edu.cn): 20
Zhou, Xiaofang (zhouxf0371@163.com): 137
Zhou, Yang (ygzhou@mix.wvu.edu): 31
Zipper, Riley (zipperr@iu.edu): 18
Zolnik, Edmund (ezolnik@gmu.edu): 66
Zumpe, Martin (martin.zumpe@u-bordeaux.fr): 137