

Wednesday, November 09

8:00 am-5:00 pm

1. [Workshop] Python Spatial Analysis Library (PySAL) Workshop | Symphonie 2A

- *Python Spatial Analysis Library (PySAL) Workshop.* Elijah Knapp, University of California - Riverside; Sergio Rey, University of California - Riverside

4:00 pm-8:00 pm

[Registration] Registration | Grand Salon Opera Foyer

6:30 pm-7:30 pm

[Special Session] Words of Welcome & RSAI Fellows Lecture | Grand Salon Opera B

- *TO BE ANNOUNCED.*

8:00 pm-9:00 pm

[Informal meeting] NARSC Icebreaker Reception | Grand Salon Opera Foyer

Thursday, November 10

7:30 am-8:30 am

[Informal meeting] Coffee | Grand Salon Opera Foyer

7:30 am-5:30 pm

[Registration and Exhibits] Registration & Exhibits | Grand-Salon Opera Foyer

8:00 am-10:00 am

2. [Formal Paper Session] Housing I: The Impact of Proximity | Soprano B

- *Impact of Demolitions on Neighboring Property Values in Detroit.* Camila Alvayay Torrejon, Michigan State University; Dusan Paredes, Universidad Catolica del Norte; Mark Skidmore, Michigan State University
- *Close competition: The contagion effect of neighborhood listings on seller motivation.* Mitchell Livy, California State University - Fullerton; Nicholas Irwin, University of Nevada - Las Vegas
- *The impact of affordable housing developments on the values of nearby residential properties.* Amanda Liddle, Colorado Department of Health Care Policy and Financing; Jeffrey Zax, University of Colorado - Boulder
- *Segregated by Design? The Effect of Street Network Topological Structure on the Measurement of Residential Segregation.* elijah knaap, University of California - Riverside; Sergio Rey, San Diego State University

3. [Formal Paper Session] Work Location & Commuting | Symphonie 1

- *The work-from-home revolution and the performance of cities.* Steven Bond-Smith, University of Hawaii - Manoa; Philip McCann, University of Manchester
- *Who continues to work from home and where are they?.* Ting Zhang, University of Baltimore
- *The Problem Has Existed over Endless Years: Racialized Difference in Commuting, 1980–2019.* Devin Michelle Bunten, Massachusetts Institute of Technology; Ellen Fu, University of Pennsylvania; Lyndsey Rolheiser, University of Connecticut; Christopher Severen, Federal Reserve Bank of Philadelphia
- *What future for office space? An analysis of the relocation of knowledge-intensive business services in the Montréal metropolitan area..* Diego Andres Cardenas Morales, Laval University; Jean Dube, Université Laval; Richard Shearmur, McGill University

4. [Formal Paper Session] Regional/Rural Development I - Rural Health Disparities | Symphonie 3A

- *The Growing Rural Health Disadvantage: The Importance of Changes in Health Behavior.* David McGranahan, U.S. Department of Agriculture; Elizabeth Dobis, USDA Economic Research Service
- *jacopo.* Sarah Low, University of Illinois at Urbana-Champaign; Mark White, University of Missouri; Andrew Van Leuven, Oklahoma State University
- *Changing Markets for Pharmacies Across the Rural-Urban Divide.* Melissa Kono, University of Wisconsin - Madison; Steven Deller, University of Wisconsin - Madison
- *Changes in Rural Health Care Access, 2000-18.* Elizabeth Dobis, USDA Economic Research Service
- *Minding the Gap: Decomposing Rural-Urban Differences in Prime Working Age Natural Cause Mortality.* Kelsey Conley, U.S. Department of Agriculture

5. [Formal Paper Session] Climate Change: Perception, Behavior, & Policy | Symphonie 4A

- *Does Climate Change News Inform Flood Insurance Take-up?.* Yi Huang, Nanjing Audit University; Yilan Xu, University of Illinois - Urbana-Champaign
- *Peer Effects on Climate Change Beliefs.* Xialing Zhao, Pennsylvania State University; Linlin Fan, Pennsylvania State University; Yilan Xu, University of Illinois - Urbana-Champaign
- *Just Clean Air.* Gina Yeonkyeong Park, Cornell University
- *How Climate Change Affects the Ganges and Water Pollution by Tanneries in Kanpur.* Amit Batabyal, Rochester Institute of Technology; Karima Kourtit, Open University, The Netherlands; Peter Nijkamp, Open University, Heerlen, The Netherlands

6. [Formal Paper Session] Institutions & Public Policy | Symphonie 4B

- *Bureaucratic Influence on Policy: Evidence from Unemployment Insurance.* Steven Craig, University of Houston; Edward Hoang, University of Colorado - Colorado Springs; Janet Kohlase, University of Houston

- *The engine of persistency: Quantifying regional variation in the quasi-periodicity of institutional change in Europe.*
- *Policy (De)centralization and the Spatial Interaction Model: Theory and Illustrative Examples.* Guido Candela, University of Bologna; Maurizio Mussoni, University of Bologna; Roberto Patuelli, University of Bologna
- *Communication Network and Power Dynamics in Economic Development Projects.* Kerry Fang, Florida state university; Samuel Staley, Florida State University; Gordon Erlebacher, Florida State University; Yijia Wen, florida state university; Joey Zhang, Florida State University

7. [Special Session] Rural Innovation from Three Perspectives: Case Study, Microdata, and Meso-level | Soprano A

- *Innovation in Rural Areas: Examples from Canada and the United States.* David Freshwater, OECD
- *Is User Entrepreneurship More Inclusive Entrepreneurship? Evidence from Two Micro Datasets.* Luyi Han, Pennsylvania State University; Zheng Tian, Pennsylvania State University; Timothy Wojan, National Science Foundation; Anil Rupasingha, Economic Research Service; Stephan Goetz, Pennsylvania State University
- *Effects of Cloud Services Adoption on Innovation: Evidence from the Annual Business Survey.* Luyi Han, Pennsylvania State University; Timothy Wojan, National Science Foundation; Stephan Goetz, Pennsylvania State University
- *SAIRE sans Satire? The Promise and Perils of Small Area Innovation Rate Estimation.* Zheng Tian, Pennsylvania State University; Luyi Han, Pennsylvania State University; Timothy Wojan, National Science Foundation; Stephan Goetz, Pennsylvania State University

8. [Special Session] Regional Development I | Soprano C

- *Convergence or Divergence? Analysis of Regional Economic Disparities in Central China from the Perspective of Space.* Yongming Huang, Wuhan University; Yuhang Xiang, Wuhan University; Xue Dong, Wuhan University; Yanan Zhang, Wuhan University; Xin Li, Wuhan University
- *Do People Follow Jobs or Do Jobs Follow People? A China-based Study.* Wenzheng Li, Cornell University; John Carruthers, Cornell University
- *RELIGIOUS DIVERSITY AND ECONOMIC PERFORMANCE IN BRAZILIAN MUNICIPALITIES: Analysis based on Weber's work ethics.* Suzana Quinet Bastos, Federal University of Juiz de Fora; Sandro de Freitas Ferreira, Federal University of Juiz de Fora; Gabryella Magalhães Cerqueira Silva, Federal University of Juiz de Fora
- *CCLs and local economic growth nexus: Territorial mediating factors.* Roberto Dellisanti, Politecnico di Milano

9. [Special Session] COVID-19 pandemic, transportation, and impacts on urban areas. | Symphonie 2A

- *Could urban form moderate mental distress due to the COVID-19 pandemic? Evidence from Jakarta, Indonesia.* Usep Nugraha, Universitas Indonesia; Budy P. Resosudarmo, Australian National University; Rus'an Nasrudin, Universitas Indonesia
- *Examining COVID-19 Vaccine Access Profiles through Spatial Microsimulation and Activity Allocation.* Joseph Tuccillo, Oak Ridge National Laboratory; James Gaboardi, Oak Ridge National Laboratory
- *COVID-19 and Commuting: Evidence from California's San Francisco Bay and Central Valley Regions.* Bonnie Wang, University of Southern California; Seva Rodnyansky, Occidental College; Marlon Boarnet, University of Southern California; Andre Comandon, University of Southern California
- *Travel Disparity in the Bipartite Commute Network during the COVID-19 Pandemic: A case of Seoul.* Jaegeon Lee, Seoul National University; Jungyul Sohn, Seoul National University

[Business Meeting] NARSC Council Meeting (by invitation only) | Ovation

10:00 am-10:30 am

[Informal meeting] Coffee | Grand Salon Opera Foyer

10:00 am-10:30 am

10:30 am-12:30 pm

10. [Special Session] NARSC Presidential Lecture | Grand Salon Opera

- *Assessing Older Adult Mobility Using Wearable Technology.* Bruce Newbold, McMaster University

1:30 pm-3:30 pm

11. [Formal Paper Session] Housing II: Residential Property Values | Soprano B

- *Do residential property tax incentive programs raise home prices and contribute to gentrification? Quasi-experimental evidence from Columbus, Ohio..* Nick Messenger, Ohio State University
- *Did Unilateral Divorce raise house prices in Europe?.* Rafael González-Val, Universidad de Zaragoza; Miriam Marcén, Universidad de Zaragoza
- *Measuring the Value of Urban Forestry in the Housing Market in Seattle, WA.* Hanxue Wei, Cornell University
- *Who values urban open spaces? Investigating heterogeneity in capitalization of open space by housing type, open space class, and demographics.* Mitchell Livy, California State University - Fullerton; Liqing Li, California State University - Fullerton

12. [Formal Paper Session] Regional Development II | Soprano C

- *Capital Shocks and the Effects of the Global Financial Crisis in European Regions and Cities.* Michiel Daams, University of Groningen; Philip McCann, University of Manchester; Paolo Veneri, OECD; Richard Barkham, CBRE Global Investors
- *Spatial Spillovers and Displacement Effects in Cohesion Policy: Evidence from Italian NUTS-3 regions.* Debora Gambina, University of Palermo; Fabio Mazzola, University of Palermo
- *Digital transformations, global value chains, and regional growth in Europe: The MASST5 model.* Roberta Capello, Politecnico di Milano; Andrea Caragliu, Politecnico di Milano
- *Networked FDI, spillovers and regional innovation capacity.* Andrea Ascani, Gran Sasso Science Institute (GSSI); Luca Bettarelli, University of Milan Bicocca; Laura Resmini, University of Milan Bicocca

13. [Formal Paper Session] Natural Resources | Symphonie 1

- *The role of the resource windfalls in welfare from the spatial economy.* Mauricio Oyarzo, Universidad de Concepción; Dusan Paredes, Universidad Catolica del Norte
- *The impact of the Mariana and Brumadinho dam disasters on credit constraint.* Wilson Neto, UFJF; Flavia Chein, Federal University of Juiz de Fora
- *Analysis of local energy supply and demand for woody biomass in Japanese municipalities.* Kazuyoshi Nemoto, Tohoku University; Toshihiko Nakata, Tohoku University
- *Regional competitive opportunities and threats of fossil fuel cost changes and the role of decarbonization.* Sacha den Nijs, Free University, Amsterdam; Mark Thissen, Netherlands Environmental Assessment Agency

14. [Formal Paper Session] Regional/Rural Development II - Rural Resilience | Symphonie 3A

- *Learning about rural community resilience and capacity from municipal actions during the COVID-19 pandemic.* Kathleen Bell, University of Maine; Vanessa Levesque, University of Southern Maine; Eileen Johnson, Bowdoin College
- *How much grain demand will be in China: considering nexus effects of population's structure, dietary structure, and production technology.* Xiuli Liu, Chinese Academy of Sciences; Geoffrey Hewings, University of Illinois at Urbana-Champaign
- *Exploring a new tourism asset in the context of rural economic development; the case of Fishers Peak State Park.* Skyler Schuck, Colorado State University
- *Farmers Market Vendor Resilience Through COVID-19.* Mallory Rahe, University of Missouri; Sarah Low, University of Illinois at Urbana-Champaign; Juo-Han Tsay, University of Missouri - Columbia

15. [Formal Paper Session] Diversity, Inclusion, Intolerance, & Protest | Symphonie 4A

- *Knocking on Hell's door: dismantling hate with cultural consumption.* daria denti, Gran Sasso Science Institute

- *The perception of human security and human rights by Mexiquen's migrants in Canada participating in the SAWP: an exploratory study 2020..* Lidia Carvajal, Universidad Autonoma del Estado de Mexico; Román Sánchez, Universidad Autónoma del Estado de México; Oswaldo Garcia-Salgado, Universidad Autonoma del Estado de Mexico
- *Geography of contestation: a study on the Yellow Vests movement and the rise of populism in France.* Torre Andre, University Paris Saclay; Sébastien Bourdin, E.M Normandie
- *Diversity and Inclusion in Regional Science Participation: A Bibliometric Perspective.* Laurie Schintler, George Mason University; Chen Zhenhua, Ohio State University

16. [Formal Paper Session] Labor & Firm Productivity | Symphonie 4B

- *Can't Stand the Heat: Climate Stress and Labor Productivity in 16 Latin American and Caribbean Countries.* Luis Quintero, Johns Hopkins University; Hanchen Jiang, University of North Texas
- *Quantification of non-linear effects in agglomeration economies for transport appraisals.* Anupriya -, Imperial College London; Daniel Graham, Imperial College London; Prateek Bansal, National University of Singapore
- *The spatial dimension of aging and growth.* Rosella Nicolini, Universitat Autònoma de Barcelona; José Luis Roig Sabaté, Universitat Autònoma de Barcelona
- *Economies of density vs economies of agglomeration – supplementing matching, learning and sharing with attracting mechanism.* Katarzyna Kopczewska, University of Warsaw; Mateusz Kopyt, University of Warsaw

17. [Special Session] Access to opportunities and amenities | Symphonie 2A

- *A historical collection of impedance functions for active travel accessibility analysis in Canada.* Mahdis Moghadasi, McMaster University; Antonio Paez, McMaster University
- *Older Drivers in the Rural West.* Yue Ke, Argonne National Laboratory; Brigitte Waldorf, Purdue University
- *A renewed argument for walkable school accessibility.* Anastasia Soukhov, McMaster University; Antonio Paez, McMaster University; Christopher Higgins, University of Toronto - Scarborough; Moataz Mohamed, McMaster University
- *Cities in shape: Assessing the impact of urban morphology on accessibility to urban amenities.* Clara Peiret-Garcia, Newcastle University

3:30 pm-4:00 pm

[Informal meeting] Coffee | Grand Salon Opera Foyer

4:00 pm-6:00 pm

18. [Formal Paper Session] Housing III: Shocking Events and the Housing Market | Soprano B

- *The Impact of Wildfire on Housing Demand.* Sowon Kim, Ohio State University; Seung-Hun Chung, Ohio State University

- *Housing Market Dynamics Following A Major Hurricane.* Hoanh Le, University of Houston
- *Assessing the impact of Red Tide Events on property values in Southwest Florida.* Bijeta Bijen Saha, University of Florida; Xiaohui Qiao, University of Florida; Christa Court, University of Florida; Olesya Savchenko, University of Florida
- *Housing prices and strikes: Evidence from Cali, Colombia.* Jhon James Mora, Universidad Icesi; Juan Sayago, Universidad Icesi

19. [Formal Paper Session] Regional Development III | Soprano C

- *The Economic Resilience of Construction Industries in U.S States.* Soomi Lee, University of La Verne; Frank Manzo IV, Illinois Economic Policy Institute
- *Political Competition and Industrial Location during the Economic Shift in Indonesia.* Khoirunurrofik Khoirunurrofik, University of Indonesia; Alfred M. Wu, National University of Singapore
- *Effect of greenhouse gas emissions on the regional technical efficiency of the manufacturing sector in Mexico.* Hector Nuñez, Banco de México

20. [Formal Paper Session] Fertility: Trends, Decision Making & Impacts | Symphonie 1

- *Fertility Divergence across Large and Small Areas.* Xiaoyin Li, Iowa State University; John Winters, Iowa State University
- *Rural and urban fertility impacts of COVID-19 stay at home orders.* Michael Betz, Ohio State University
- *Regional Childcare Policy, Urbanization, and Population Dynamics.* Hiroyuki Hashimoto, University of Hyogo; Tohru Naito, Doshisha University
- *Brumadinho Dam failure, the selection mechanism in utero and effects on human capital.* Igor Vieira Procópio, Federal University of Juiz de Fora; Flavia Chein, Federal University of Juiz de Fora; Cristine Pinto, Insper

21. [Formal Paper Session] Freight & Trade | Symphonie 2A

- *The impact of temporal and geographical factors on shippers batch size decisions : a micro-econometrical analysis using data collected over three periods of time.* el mehdi aboukacem, Gustave Eiffel University
- *Distance Friction and the Hub-and-Spoke System in the Global Freight Transportation.* Paul Jung, University of North Carolina - Charlotte; Jean-Claude Thill, University of North Carolina - Charlotte
- *Import competition and domestic transport costs.* Andrea Caragliu, Politecnico di Milano; Michiel Gerritse, Erasmus University Rotterdam

- *It's the Exporters, Stupid! Local Interests and the Political Economy of Trade.* Santiago Pinto, Federal Reserve Bank of Richmond; Pablo Pinto, University of Houston; Kishore Gawande, University of Texas - Austin

22. [Formal Paper Session] Regional/Rural Development III - Manufacturing & Occupation

| Symphonie 3A

- *Identifying Occupational Gaps by Region: Using FDI and Occupation Co-location as Warning Signs.* Timothy F. Slaper, Indiana University
- *The Impact of Rurality, Age, and Occupation on the Gender Wage Gap in the U.S..* Ayoung Kim, Mississippi State University; Brigitte Waldorf, Purdue University
- *Trade, Offshoring, and Manufacturing Employment Volatility in Mexico.* Adam Walke, Colorado State University
- *Regional Workforce Training as a Common Pool Resource: Evidence from Ohio's Manufacturing Sector.* Edward Hill, Ohio State University; Ken Poland, Ohio State University

23. [Formal Paper Session] Transportation: Infrastructure & Connectivity | Symphonie 4A

- *Highway Congestion in Britain: The effect of transportation improvements.* Miquel-Angel Garcia-Lopez, Universitat Autònoma de Barcelona; Luz Yadira Gomez-Hernandez, Universitat Autònoma de Barcelona; Rosa Sanchis-Guarner H, University of Barcelona
- *Analysis of Public-Private Partnership and Conventional Projects in Surface Transportation Infrastructure on Long-term Operations and Maintenance (O&M).* Marina Manganaris, George Mason University; Jonathan Gifford, George Mason University
- *Road stimulus investments in rural China and the uneven path to economic recovery.* Anthony Howell, Arizona State University
- *Optimal intercity connectivity: A general equilibrium model with explicit leisure and business travel markets.* Daniel Hörcher, Imperial College London; Daniel Graham, Imperial College London

24. [Formal Paper Session] Tax Policies & Practices | Symphonie 4B

- *Temporal versus Spatial Specificity in Tax Incentives Program Evaluations: The Case of Wisconsin's Enterprise Zone Program.* Richard Funderburg, University of Illinois Springfield
- *The spatial effects of selected hydrocarbon-focused environmental policies in Canada.* HAKAN ANDIC, Statistics Canada
- *Fuel Economy Standards and Public Transport.* Julius Berger, ifo Institute; Waldemar Marz, ifo Institute
- *Evaluating the impact of power plant closures on educational outcomes in Ohio.* Elham Erfanian, Ohio University; Fahad Alzahrani, King Faisal University; G. Jason Jolley, Ohio University

25. [Special Session] Regional Economic Effects of Disasters | Soprano A

- *Impact of Floods & Wildfires on Household Finance.* Amy Ando, University of Illinois - Urbana-Champaign; Paavani Sachdeva, University of Illinois - Urbana-Champaign; Yilan Xu, University of Illinois - Urbana-Champaign
- *Behavioral Economic Consequences of Disasters.* Adam Rose, University of Southern California
- *Fiscal policy response of local governments to floods in Italy.* Chiara Lodi, University of Urbino; Giovanni Marin, University of Urbino; Marco Modica, Gran Sasso Science Institute
- *Application of Urban Landuse Survey on Hazard Vulnerability Assessment – A Case Study of Xibei Area, New Taipei City, Taiwan.* WEN-YEN LIN, MING CHUAN UNIVERSITY; CHI-TUNG HUNG, MING CHUAN UNIVERSITY

6:30 pm-7:30 pm

6:30 pm-8:00 pm

[Informal meeting] NARSC Thursday Evening Reception | Six Lounge

6:30 pm-8:00 pm

Friday, November 11

7:30 am-8:30 am

[Informal meeting] Coffee | Grand Salon Opera Foyer

7:30 am-5:30 pm

[Registration and Exhibits] Registration & Exhibits | Grand-Salon Opera Foyer

8:00 am-10:00 am

26. [Formal Paper Session] Housing IV: Rents & Taxes | Soprano B

- *Tenant Rights, Eviction, and Rent Affordability.* Edward Coulson, University of California - Irvine; Thao Le, Georgia State University; Lily Shen, Clemson University
- *Legendary Bridges: Rental Housing Markets in Tokugawa Japan.* Yu Mandai, Mitsui Bunko; Masaki Nakabayashi, The University of Tokyo
- *Tax Revolt and Neighborhood Churning: A California Style.* Soomi Lee, University of La Verne
- *A Double Negative: Capitalizing on Assessment Regressivity.* Timothy Hodge, Oakland University; Timothy Komarek, Old Dominion University; Andrew McAllister, Oakland University

27. [Formal Paper Session] Perspectives on GeoComputation Approaches for Urban and Regional Systems I | Symphonie 1

- *Improving ABM simulations of Mobility using Cost surfaces, Behavioural and Visual models.* Raja Sengupta, McGill University

- *Network and ABM models of SARS-CoV-2.* Kinda Al Sayed, Carleton University; Dipto Sarkar, Carleton University; Paul Holloway, University College Cork
- *Integrating Behavioral Theories and Agent-based Models of Disease Spread.* Emma Von Hoene, George Mason University; Taylor Anderson, George Mason University

28. [Formal Paper Session] Methods in Regional Science I | Symphonie 2A

- *Robust tools in spatial econometrics.* giuseppe arbia, Catholic University; vincenzo nardelli, bicocca university of milan; elena semerikova, higher school of economics moskov
- *An efficient solution approach for the p-dispersion problem using spatially informed properties.* Changwha Oh, University of Tennessee; Hyun Kim, University of Tennessee; Yongwan Chun, University of Texas - Dallas
- *Linking Spatial Associations and Permutation Tests to Statistical Models.* Tong Zhang, Purdue University; Ge Lin, Hong Kong University of Science and Technology

29. [Formal Paper Session] Regional/Rural Development IV - Windmills & Weed | Symphonie 3A

- *Rich region Poor people dichotomy: Measuring regional wealth of energy-rich rural counties of West Virginia.* Hodjat Ghadimi, West Virginia University
- *The Computable General Equilibrium Model on Applying for Production Tax Credit in Renewable Energy Development in the Eastern Part of Indonesia.* Simon Hutabarat, Colorado State University
- *Household energy transition in rural China: trends and challenges.* Xiang Zhang, McGill University; Chris Barrington-Leigh, McGill University; Brian Robinson, McGill University
- *A 'Significant Crisis and Financial Windfall': The Proliferation of Medical Marijuana in Rural Oklahoma.* Brian Whitacre, Oklahoma State University; Andrew Van Leuven, Oklahoma State University
- *The Effects of Recreational Marijuana Legalization on State Economies.* Jason Brown, Federal Reserve Bank of Kansas City; Elijah Cohen, Federal Reserve Bank of Kansas City

30. [Formal Paper Session] COVID-19 I: Amenities, Recreation & Tourism | Symphonie 3B

- *Discussion on the tourism vulnerability under the effects of Covid-19 pandemic : Taking Taiwan and its offshore islands as an example.* CHI-TUNG HUNG, MING CHUAN UNIVERSITY; WEN-YEN LIN, MING CHUAN UNIVERSITY
- *A Day at the Park: How COVID-19 Impacted Park Amenity Valuation.* Hongxi Zhao, Ohio State University; H. Allen Klaiber, Ohio State University
- *Discrimination in Restaurant Patronage at the Onset of the Covid Pandemic.* Guanting Yi, Ohio State University

- *Helicopter View on Post-Corona Space Economy: Modeling Tourism Impacts.* Karima Kourtit, Open University, The Netherlands; Jaewon Lim, University of Nevada - Las Vegas; Peter Nijkamp, Open University, Heerlen, The Netherlands

31. [Formal Paper Session] Left Behind Places & People I | Symphonie 4A

- *The more labelled, the more resilient? The role of place-branding intangibles in Italian peripheral areas.* Fabiano Compagnucci, Gran Sasso Science Institute; Alessandra Faggian, Gran Sasso Science Institute (GSSI); Giulia Urso, Gran Sasso Science Institute
- *Seeing Social Disconnection: Using Twitter Data to Understand Left Behind Places..* Rachael Sanderson, Newcastle University; Rachel Franklin, Newcastle University; Danny MacKinnon, Newcastle University; Joe Matthews, Newcastle University
- *Regional diagnostics and local policy prescriptions.* Steven Bond-Smith, University of Hawaii - Manoa; Philip McCann, University of Manchester

32. [Formal Paper Session] Amenities & Happiness | Symphonie 4B

- *The Value of Historic Districts in Georgia.* Carlianne Patrick, Georgia State University
- *Amenities, urban consumption and tourism.* Miquel-Angel Garcia-Lopez, Universitat Autònoma de Barcelona; Giacomo Rosso, University of Turin & Collegio Carlo Alberto
- *What makes a happy island?.* Dimitris Ballas, Groningen University
- *The Impact of Remote Work on Natural Amenity Values in Regional Housing Markets.* Khyati Malik, Ohio State University; Sowon Kim, Ohio State University; Brian Cultice, Ohio State University

33. [Special Session] Location and Spatial Analysis I | Soprano A

- *Locational Analysis and Open-Source Spatial Optimization.* Jiwon Baik, University of California - Santa Barbara; Alan Murray, University of California - Santa Barbara
- *A dynamic equilibrium model of commuting, residential and work location choices.* Fedor Iskhakov, Australian National University; Christian Langholz Carstensen, University of Copenhagen; Bertel Schjerning, University of Copenhagen; John Rust, Georgetown University; Maria Juul Hansen, University of Copenhagen
- *Spatial Income Inequality in the United States.* Francisco Castellanos-Sosa, University of Texas - Austin
- *Franchise distribution location modeling with a distance restriction between franchisees for the convenience store chain.* Gunhak Lee, Seoul National University

10:00 am-10:30 am

[Informal meeting] Coffee | Grand Salon Opera Foyer

10:30 am-12:30 pm

34. [Formal Paper Session] Roads and Travel | Soprano B

- *A Tale of Spatial Cities: How do Roads Affect the Size of Urbanized Areas?*. Yixuan Wang, Ohio State University
- *A methodology for optimal road space allocation between modes*. David Murray, Ecole Polytechnique; Catherine Morency, Ecole Polytechnique
- *Automated analysis of on-street parking*. Jean-Simon Bourdeau, Polytechnique Montréal; Catherine Morency, Ecole Polytechnique
- *Difficult Terrain and Access to Urban Areas*. Elizabeth Dobis, USDA Economic Research Service; John Cromartie, USDA Economic Research Service; Ryan Williams, USDA Economic Research Service; Kyle Reed, USDA Economic Research Service

35. [Formal Paper Session] Methods in Regional Science II | Symphonie 2A

- *Tourism and the Trade in Value-Added: Evidence from Spain*. Philip Watson, University of Idaho; Antonio Gomez, Universidad Pública de Navarra
- *CGE Study of Hawaiian Minimum Wage Hike: Focus on Data Development*. Patrick Buckley, Western Washington University
- *Input-Output Model Aggregation Bias in the Context of Detailed Data Imputation*. Randall Jackson, West Virginia University; Caroline Welter, West Virginia University; Gary Cornwall, BEA
- *Equilibrium evacuation model with the facility capacity constrains*. JUNYA FUKUMOTO, Tohoku University

36. [Formal Paper Session] Regional/Rural Development V - Childcare & Household Decision Making | Symphonie 3A

- *A Competition Conundrum: Are Charter Schools More Exposed to Economic Shocks?*. Michael Trouw, Colorado State University
- *Access to Childcare and Labor Productivity: Is There a Rural Affect?*. Steven Deller, University of Wisconsin - Madison; Tessa Conroy, University of Wisconsin - Madison; Jie WU, University of Wisconsin - Madison
- *The Economic Dynamism of Child Care Establishments in the United States*. Andrew Van Leuven, Oklahoma State University; Tessa Conroy, University of Wisconsin - Madison
- *Household Welfare Effects of ROSCAs in Rural and Urban India*. Pushkar Maitra, Monash University; Ray Miller, Colorado State University; Ashish Sedai, University of Texas - Arlington

37. [Formal Paper Session] COVID-19 II: Labor Market Dynamics | Symphonie 3B

- *Labor Market Dynamics' Resilience to the COVID Crisis: A Quebec Regional Analysis*. Nicolas Devaux, Université du Québec à Rimouski; Jean Dube, Université Laval; Cédric Brunelle, INRS-UCS

- *A dose-response assessment of the labour demand during the pandemic in Italy.* Fernanda Gutierrez Amaros, Gran Sasso Science Institute; Alessandra Faggian, Gran Sasso Science Institute (GSSI); Andrea Ascani, Gran Sasso Science Institute (GSSI); Alexandra Tsvetkova, OECD; Wessel Vermeulen, OECD
- *Regional Economic Impact of the COVID-19 Recession.* Louis Amato, UNC Charlotte; Richard Cebula, George Mason University; John Connaughton, UNC Charlotte

38. [Formal Paper Session] Left Behind Places & People II | Symphonie 4A

- *How can innovation network structure empower regional resilience?.* Yijia Wen, Florida State University; Kerry Fang, Florida State University
- *The impact of fair trade in Social and Solidarity Economy Organizations in Ecuador.* Carolina Guevara Rosero, Escuela Politécnica Nacional; Marcela Guachamín, Escuela Politécnica Nacional; Katherine Monge, Escuela Politécnica Nacional; Henry Yanez, Escuela Politécnica Nacional; Javier Flor, Instituto de Economía Popular y Solidaria
- *NRRP-induced Occupation/Skill Shifts for Romania's NUTS-2 Regions.* Michael Lahr, Rutgers University; Alexandru Voicu, CUNY - Staten Island
- *Regional Economic Disparities in China : A Spatial Perspective.* Yongming Huang, Wuhan University; Xin Li, Wuhan University; Yuhang Xiang, Wuhan University

39. [Formal Paper Session] Changing Travel Patterns | Symphonie 4B

- *Analysis of Household-Firm Spatial Interactions in the Post-Great Recession Labor Market: Determinants of Commuting Patterns Across the Upper Midwest.* Matthew Kures, University of Wisconsin - Madison
- *SELF-DRIVING VEHICLES' IMPACTS ON AMERICANS' LONG-DISTANCE DOMESTIC TRAVEL CHOICES.* Fatemeh Fakhroosavi, University of Texas - Austin; Priyanka Paithankar, University of Texas - Austin; Kara Kockelman, University of Texas - Austin; Yantao Huang, University of Texas - Austin; Jason Hawkins, University of Nebraska - Lincoln
- *"Hybrid urbanization", labor market extensions and potentials for rural development.* Hans Westlund, KTH Royal Institute of Technology
- *INTERNATIONAL TRAVEL TO AND FROM THE U.S.: DESTINATION AND MODE DECISIONS, DEPARTURE DATES, AND AIRLINE FARES.* Priyanka Paithankar, University of Texas - Austin; Fatemeh Fakhroosavi, University of Texas - Austin; Kara Kockelman, University of Texas - Austin; Kenneth Perrine, University of Texas - Austin

40. [Special Session] Location and Spatial Analysis II | Soprano A

- *The alternatives to formulating classic location problems, part 2: the p-median problem.* Rick Church, University of California - Santa Barbara
- *ECARBONIZING REGIONAL MULTI-MODAL TRANSPORTATION SYSTEM WITH SHARED ELECTRIC CHARGING HUB.* Zuzhao Ye, University of California - Riverside; Ran Wei, University of California - Riverside

- *Assessing Computational Performance in Land Allocation Problems with Contiguity Requirements.* Vanessa Echeverri Figueroa, University of California - Santa Barbara; Alan Murray, University of California - Santa Barbara; Rick Church, University of California - Santa Barbara
- *Dealing with existing and potential facilities in spatial optimisation models: a bi-objective approach.* Huanfa Chen, University College London

41. [Special Session] Perspectives on Geocomputation Approaches for Urban and Regional Systems II | Symphonie 1

- *GeoSimulation approach for modeling global urban land use change.* Bright Addae, Simon Fraser University; Suzana Dragicevic, Simon Fraser University
- *Assessing the Impacts of Urban Wetlands Land Cover Changes on Water Provision Ecosystem Services – A geosimulation approach.* Yenny Cuellar Roncancio, Montreal University; Liliana Perez, Montreal University
- *Evacuation Simulation on Dormitories of Chinese Universities with Considering Retardation Time.* Yonghua Huang, East China Normal University; Hao Chu, East China Normal University; Raja Sengupta, McGill University

12:30 pm-2:00 pm

[Business Meeting] SRSA Business Meeting (invitation only) | Ovation

1:30 pm-3:30 pm

42. [Formal Paper Session] Education: Outcomes & Impacts | Symphonie 2A

- *Local effects of education and age cohorts on unemployment in Germany.* Carsten Ochsen, University of Applied Labour Studies
- *Does access to public parks influence educational outcomes for elementary school students?.* Lea Fortmann, University of Puget Sound; Isha Rajbhandari, University of Puget Sound
- *Is Education Finance Driven by Tastes for Equality, or Tastes for Education?.* Chris Biolsi, Western Kentucky; Steven Craig, University of Houston; Amrita Dhar, University of Mary Washington
- *The Long-Run Effects of Childhood Exposure to Market Access Shocks: Evidence from the U.S. Railroad Network Expansion.* Jeff Chan, Wilfrid Laurier University

43. [Formal Paper Session] Regional/Rural Development VI - Housing | Symphonie 3A

- *Nowhere to Sleep at the Bottom: The Plight of Housing Affordability for the Lowest Earners in the U.S..* Thomas J. PlaHovinsak II, Longwood University; Andrew G Mueller, University of Denver; Lauren Terschan, Federal Reserve Bank of Atlanta

- *Preserving Affordable Rural Rental Properties by Understanding Market Competitiveness.* Seva Rodnyansky, Occidental College; Brian An, Georgia Institute of Technology; Anthony Orlando, California Polytechnic State University - Pomona; Andrew Jakobovics, Enterprise Community Partners
- *Explaining Heirs' Property in the U.S. with Spatial Models: A Spatial Perspective.* Ayoung Kim, Mississippi State University; John Green, Southern Rural Development Center, Mississippi State University; Cassandra Johnson Gaither, USDA Forest Service, Southern Research Station; G. Rebecca Dobbs, USDA Forest Service, Southern Research Station
- *Spatial Coordination of Home Buyouts in Disaster-Prone Areas: Experimental Evidence on Policy Mechanisms and their Tradeoffs.* Laura Paul, USDA Economic Research Service; Christina McGranaghan, University of Delaware; AR Siders, University of Delaware; Polina Dineva, University of Delaware; Leah Palm-Forster, University of Delaware; Kent Messer, University of Delaware

44. [Formal Paper Session] COVID 19 III: Flows of People and Money | Symphonie 3B

- *Modeling the Long-term Impact of COVID-19 on Transit use in Latin American middle-sized cities: Lessons from one pilot study in Cusco, Peru..* Viviana Zambrano, University of Connecticut; Avishan Montazer, University of Connecticut; Davis Chacón-Hurtado, University of Connecticut; Marisa Auguste, University of Connecticut; Renzo de la Riva Agüero, University of Connecticut
- *How do post-COVID migration trends stack up? A comparison of Census-based results with new address change data.* Kevin Kane, Southern California Association of Governments
- *An Estimation of Origin-Destination Remittance Flow Matrix from US to Mexico.* MIGUEL FLORES, Tecnológico de Monterrey
- *Regional Science, Peace Science, and COVID-19.* Manas Chatterji, Binghamton University

45. [Formal Paper Session] Cities, Land Use & Zoning | Symphonie 4A

- *How does upzoning impact land use and transport: a case study of Seattle.* Naifu Fan, Tongji University; Kara Kockelman, University of Texas - Austin; Peter Caballero, puget sound regional council; Jason Hawkins, University of Nebraska - Lincoln; Xiaohong Chen, Tongji University
- *Growing A Mega City.* Xuequan Elsie Peng, University of Pennsylvania
- *Are all Transport Investments Equal? The Impact of Infrastructure on Urban Sprawl in Vienna, Austria.* Hongxi Zhao, Ohio State University; H. Allen Klaiber, Ohio State University; Ulrich Morawetz, University of Natural Resources and Life Sciences; Douglas Wrenn, Pennsylvania State University
- *A global perspective on land use regulations and informal settlements.* Eric Heikkila, University of Southern California; Cynthia Goytia, UTDT
- *Are riskier cities more compact? An empirical study of the 11 largest Census Metropolitan Areas in Canada, 2016.* Diana Mok, University of Western Ontario; Jinfei Wang, University of Western Ontario; Xiaoxuan Sun, University of Western Ontario

46. [Formal Paper Session] Poverty & Welfare | Symphonie 4B

- *Can decentralisation help address poverty and social exclusion in Europe?*. Vassilis Tselios, Panteion University of Social and Political Sciences; Andrés Rodríguez-Pose, London School of Economics
- *Spatial clusters of single-mother households and regional characteristics in Japan*. Yuki Shibatsuji, Keio University
- *How Urbanization Affects Child Nutritional Outcomes in African Countries – Empirical Evidence from Egypt, Ghana, Nigeria, and Senegal*. Yating Ru, Cornell University
- *Household Welfare Effects of ROSCAs in Rural and Urban India*. Pushkar Maitra, Monash University; Ray Miller, Colorado State University; Ashish Sedai, University of Texas - Arlington

47. [Special Session] Location and Spatial Analysis III | Soprano A

- *Evaluation of a forest treatment planning heuristic for multiple objective problems*. B. Amelia Pludow, UC Santa Barbara; Alan Murray, University of California - Santa Barbara; Rick Church, University of California - Santa Barbara; Vanessa Echeverri Figueroa, University of California - Santa Barbara
- *Immigration and Income Inequality in the United States*. Francisco Castellanos-Sosa, University of Texas - Austin
- *Distance-based Measurements and Tests of Global Spatiotemporal Association*. Carlos Baez, University of California - Santa Barbara
- *Mapping production activity in Yukon: An investigation of geo-spatial Gross domestic product*. Ryan Macdonald, Statistics Canada; Robby Bemrose, Statistics Canada; Mark Brown, Statistics Canada

48. [Special Session] Perspectives on Geocomputation Approaches for Urban and Regional Systems III | Symphonie 1

- *Fire Disaster Evacuation Simulation in Chinese Urban Subway Station*. Hao Chu, East China Normal University
- *Impacts of spatial imputation on $p > 3$ median location-allocation problem solutions*. Dongeun Kim, University of Texas - Dallas; Yongwan Chun, University of Texas - Dallas; Daniel Griffith, University of Texas - Dallas
- *Spatial Autocorrelation informed approaches to solving location-allocation problems: spatial autocorrelation-informed sampling for initial heuristic solutions*. Changho Lee, University of Texas - Dallas; Daniel Griffith, University of Texas - Dallas; Hyun Kim, University of Tennessee; Yongwan Chun, University of Texas - Dallas

49. [Panel] Diversity Initiatives in Regional Science | Soprano B

3:30 pm-4:00 pm

[Informal meeting] Coffee | Grand Salon Opera Foyer

4:00 pm-6:00 pm

50. [Formal Paper Session] Retail: Challenges & Changes | Symphonie 1

- *The Effect of Street Connectivity on Sales Revenue of Retail Area: Focusing on Major Retail Areas in Seoul, South Korea.* Ahyoung Chang, University of Seoul; Myounggu Kang, University of Seoul
- *Commerce and e-commerce in the face of crisis: Urban retail at a crossroad?.* Dalit Harel, The Hebrew University of Jerusalem; Sigal Kaplan, The Hebrew University of Jerusalem; Gillad Rosen, The Hebrew University of Jerusalem
- *Shopping Streets, Regional Malls, and Big-box Stores: Shopping Destination Choice by Retail Destination Type in the Montreal Metropolitan Area, 2003–2018..* Cédric Brunelle, INRS-UCS; Roman Brugières, ENSAI; Alex Rodriguez-Campbell, Laval University; Jean Dube, Université Laval; Nicolas Devaux, Université du Québec à Rimouski
- *Changes in Trade Area Capture and Pull Factors Associated with U.S. Core-Based Metropolitan Statistical Areas, 2002 - 2017.* Megan Bailey, University of Maine; Andrew Crawley, University of Maine

51. [Formal Paper Session] Migration: Patterns and Impacts | Symphonie 2A

- *The spatial spillovers of migration on education: Evidence from the Philippines.* Christopher J. Cabuay, De La Salle University; Budy P. Resosudarmo, Australian National University
- *Social and geographic mobility in the Northern California megaregion: an analysis of sequential moves.* Andre Comandon, University of Southern California; Seva Rodnyansky, Occidental College; Marlon Boarnet, University of Southern California
- *Welcome back! The impact of 'return initiatives' on interregional return migration to rural regions.* Anja Rossen, Institute for Employment Research (IAB); Moritz Meister, Institute for Employment Research (IAB); Cornelius Peters, Institute of Rural Economics
- *Climate Migration in the Face of Armed Conflict: Reflections on the Role of Adaptation in Environmental Security.* Hyun Kim, Chungnam National University
- *TRACKING THE PEACOCKS: A SPATIAL ANALYSIS OF INTERPROVINCIAL MIGRATION IN CHINA, 1990-2020.* Yu Wang, Cornell University; Sainan Lin, Wuhan University; John Carruthers, Cornell University

52. [Formal Paper Session] Regional/Rural Development VII - Entrepreneurship & Rural Economic Development | Symphonie 3A

- *Rural Agglomeration: Examining Trends and Determinants of the Population Distribution Between Towns and the Open-Countryside in Rural America.* Austin Sanders, USDA Economic Research Service; Sarah Low, University of Illinois at Urbana-Champaign
- *Impacts of Broadband Availability and Speed on Employment at the Business Establishment Level: An Investigation Using Validated National Establishment Time Series (NETS) and Data Axle*

Data. Christina Biedny, Oklahoma State University; John Pender, USDA Economic Research Service; Brian Whitacre, Oklahoma State University

- *Housing Debt and New Business Formation.* Nicholas Kacher, Scripps College
- *New Technologies, Innovation and Rural-Urban Linkages.* Philip McCann, University of Manchester; Raquel Ortega-Argilés, University of Manchester; Enrique Garcilazo, OECD; Michelle Marshallian, OECD

53. [Formal Paper Session] Economic Impact of Openings & Closures | Symphonie 4A

- *Emergency Department Closures and Mortality.* Pinka Chatterji, University at Albany, SUNY; Chunyu Ho, University at Albany, SUNY; Xue Wu, University at Albany, SUNY
- *Military Installations as Economic Anchors: An Enhanced Examination of Regional Impacts..* Joshua Drucker, University of Illinois at Chicago; Marc Doussard, University of Illinois Urbana Champaign
- *Causal Inference of the Impact of Abolition of Railways on Local Population Along Lines.* JUNYA FUKUMOTO, Tohoku University; Shuhei Kasuo, Sojitz Corporation
- *Identifying Agglomeration Spillovers: New Evidence from Large Plant Openings.* Carlianne Patrick, Georgia State University; Mark Partridge, Ohio State University

54. [Special Session] Exploring transportation demand and impacts using spatial tools | Soprano A

- *Examining the relationship between transit, gentrification, and neighborhood characteristics.* Adam Schmidt, North Carolina State University; Eleni Bardaka, North Carolina State University
- *Exploring the Economic Impacts of High-speed Rail Located in Less Economically Developed Areas: A Case Study of the Lanxin HSR in China.* Juan Wang, North Carolina State University; Eleni Bardaka, North Carolina State University
- *Spatiotemporal analysis of public microtransit trip characteristics in North Carolina..* Subid Ghimire, North Carolina State University; Eleni Bardaka, North Carolina State University

55. [Special Session] "Assessing a Waterfront Climate Resilience Plan: Findings from the NERSA/NARSC summer School" | Soprano B

- *Economic Impact Analysis of the NYC Financial District (FiDi) Plan Implementation in Lower Manhattan: An Input-Output Approach.* Caroline Welter, West Virginia University; Daniel Centuriao, West Virginia University
- *Who Cares? An Analytical Hierarchy Process to Understand Stakeholder Priorities in Climate Resilience Plans.* Shriya Rangarajan, Cornell University; Marina Manganaris, George Mason University; Yaxuan Wen, Brandeis University; Daniel Centuriao, West Virginia University
- *How do We Value Access to Water vs. Flooding Risk? A Difference-in-Difference Spatial Hedonic Model Approach.* Yaxuan Wen, Brandeis University; Shriya Rangarajan, Cornell University; Marina Manganaris, George Mason University; Daniel Centuriao, West Virginia University

- *A Performance-Based Engineering Prospective to assess the regional risks of flooding in Lower Manhattan.* Prateek Arora, New York University; Sajani Kandel, University of Massachusetts - Boston; Riccardo Negri, New York University; Evan Heberlein, Cornell University
- *Resilience and adaptation: an application of Adaptive Policy-Making for the New York City waterfront.* Mauricio Carvallo Aceves, University of British Columbia; Lillian Lau, Cornell University; Aysun Aygun Ogur, Pamukkale Üniversitesi; Xiaohui Qiao, University of Florida

56. [Special Session] NARSC Diversity & Inclusion Committee Annual Lecture | Symphonie 3B

- *The Impacts of COVID-19 on Food Access.* Daoqin Tong, Arizona State University

57. [Special Session] Machine Learning in Regional Science: Perspectives, Methods, and Applications | Symphonie 4B

- *A structured comparison of causal machine learning methods to assess heterogeneous treatment effects in spatial data.* Kevin Credit, Maynooth University; Matthew Lehnert, Al Akhawayn University
- *Evaluating Impacts of Existing Approaches Applied to Account for Spatial Dependencies in Machine Learning Methods on Prediction Accuracy.* Emre Tepe, University of Florida
- *What Drives Urban Redevelopment Activities? Evidence from Machine-Learning in Three US Cities Based on Unbalanced Data.* Hanxue Wei, Cornell University; John Carruthers, Cornell University
- *Mapping poverty in low- and middle- income countries using asset-based measures and geospatial big data.* Yating Ru, Cornell University; Chris Barrett, Cornell University; Elizabeth Jane Tennant, Cornell University; Peizan Sheng, Cornell University
- *A machine learning approach to obtain functional migration regions.* Antonio Paez, McMaster University

6:15 pm-7:15 pm

58. [Special Session] Isserman Lecture | Soprano A

- *Coming Full Circle: Identifying Issues and Informing Action in Regional Science.* Sarah Low, University of Illinois at Urbana-Champaign

7:15 pm-8:15 pm

59. [Informal meeting] Reception for Isserman Lecture | Soprano A

Saturday, November 12

7:30 am-8:30 am

[Informal meeting] Coffee | Grand Salon Opera Foyer

7:30 am-10:00 am

[Registration and Exhibits] Registration & Exhibits | Grand-Salon Opera Foyer

8:00 am-10:00 am

60. [Formal Paper Session] Inequality: Regional Dynamics & Socio-Economic Impacts | Symphonie 1

- *Public Debt and Regional Inequality in India: A Spatial Analytics Approach.* Sudhir Thakur, California State University Sacramento
- *Re-examining patterns of regional income inequality in the U.S., 1970-2020.* Annie Lee, McGill University; Sébastien Breau, McGill University
- *Measuring the Value of Rent Stabilization and Understanding its Implications for Racial Inequality: Evidence from New York City.* Ruoyu Chen, University of Windsor; Hanchen Jiang, University of North Texas; Luis Quintero, Johns Hopkins University
- *A disaggregated analysis of socioeconomic inequalities in childhood malnutrition in Nigeria.* Jacob Novignon, Kwame Nkrumah University of Science and Technology; Chukwuedo Susan Oburota, University of Calabar; Kwasi Tabiri, Kwame Nkrumah University of Science and Technology

61. [Formal Paper Session] Using Regional Science to Understand the Past | Symphonie 2A

- *Regional Science Meets the Past: Space and Money Circulation in Ancient Rome.* Eduardo Haddad, University of Sao Paulo; Inacio Araujo, University of Sao Paulo
- *Occupation segregation in Stockholm then and now.* Kevin Credit, Maynooth University; Orsa Kekezi, Stockholm University; Charlotta Mellander, Jonkoping International Business School
- *War and city size: The asymmetric and short-lived effects of the Spanish Civil War.* Rafael González-Val, Universidad de Zaragoza; Javier Silvestre, Universidad de Zaragoza

62. [Formal Paper Session] Regional/Rural Development VIII - Regional and Rural Finances | Symphonie 3A

- *Credit Constraints on Military Spouses.* Kristopher Deming, Michigan State University; Craig Carpenter, Michigan State University
- *CRA and the Geographic Dispersion of PPP Loans.* Austin Landini, University of Missouri - Columbia; Kristopher Deming, Michigan State University; Stephan Weiler, Colorado State University
- *Potential Impacts of Social Security Cash Reserve Depletion and Proposed Program Reform on Next Generation Low-income Rural Recipients.* Tracey Farrigan, U.S. Department of Agriculture; Leif Jensen, Pennsylvania State University
- *The Role of Personal Bankruptcy Protections on Entrepreneurship: Cushion v. Forgiveness.* Ignacio Correas, Colorado State University; Stephan Weiler, Colorado State University

63. [Formal Paper Session] Alternative Vehicles: Perceptions, Impacts & Production | Symphonie 3B

- *Technological Change for Precarious Work: Perception of Autonomous Vehicles from Transportation Platform Drivers.* Sicheng Wang, Michigan State University; Elizabeth Mack, Michigan State University
- *Estimating Macroeconomic Impacts of NEVI.* Yue Ke, Argonne National Laboratory; Marianne Mintz, Argonne National Laboratory; Yan Zhou, Argonne National Laboratory
- *Investigating the Factors of Household Purchase Intention of Autonomous Vehicles in California, United States.* Md. Mokhlesur Rahman, University of North Carolina - Charlotte; Jean-Claude Thill, University of North Carolina - Charlotte
- *North America's Rapidly Growing EV Market: Implications for the Geography of Vehicle Production.* Thomas Klier, Federal Reserve Bank of Chicago; Jim Rubenstein, Miami University

64. [Special Session] Honoring and Celebrating Arthur Getis: A LEGEND in Spatial Analysis I | Soprano A

- *The contributions of Art Getis to Regional Science and Spatial Analysis.* Luc Anselin, University of Chicago; Sergio Rey, San Diego State University; Alan Murray, University of California - Santa Barbara
- *Statistical Hot Spot Maps: A Spatial Bibliometric Festschrift in Honor of Art Getis.* Lauren Griffin, Esri; Kevin Butler, Esri; Colleen Conner, Esri
- *Inspired by Art.* Peter Rogerson, Arizona State University
- *The Art of regional science.* Alan Murray, University of California - Santa Barbara

65. Neighborhoods & Neighborhood Change | Symphonie 4A

- *Spatiotemporal Patterns of Neighborhood Change: A Text Classification and Regionalization Approach.* Isabelle Nilsson, University of North Carolina - Charlotte; Elizabeth Delmelle, University of North Carolina - Charlotte
- *National Homebuilders' Internal Network and Local Housing Outcomes.* seohee kim, Duke University
- *Urbanization Patterns and Social Capital Networks among regions for Natural Disaster Resilience.* KIYOMI KAWAMOTO, Toyo University; Eric Yamashita, University of Hawaii - Manoa
- *Spatial Patterns of Demolition Activity and Regional Deconstruction Potential: Using spatial analysis to inform policy-making in Ithaca, New York.* Shriya Rangarajan, Cornell University; Jennifer Minner, Cornell University; Yu Wang, Cornell University; Felix Heisel, Cornell University

10:00 am-10:30 am

[Informal meeting] Coffee | Grand Salon Opera Foyer

10:30 am-12:30 pm

66. [Formal Paper Session] Skills, Earnings, & Income | Symphonie 2A

- *Cities, Aggregate Income, and Growth in Germany.* Katja Gehr, University of Wuerzburg; Michael Pflüger, University of Wuerzburg
- *The Changing Geography of Skills and Real Income.* Anthony Frigon, HEC MONTREAL; Michael Storper, University of California, Los Angeles
- *Regional Changes in Minimum Wage and their Effect on the US Labor Market.* Dawn Otterby, University of Maine; Andrew Crawley, University of Maine; Todd Gabe, University of Maine
- *The earnings premium in bigger cities - Evidence from Germany.* Valérie von Gleichen, University of Wuerzburg

67. [Formal Paper Session] Regional/Rural Development IX - Minority Banking and Entrepreneurship | Symphonie 3A

- *Place-Based Tax Incentives and Minority Employment: Evidence from New Market Tax Credit (NMTC) Program.* Anil Rupasingha, USDA Economic Research Service; Alex Marré, National Telecom. and Information Administration; Josemari Feliciano, USDA – Rural Development
- *Demographic Transition and Census Tract Economic Opportunity: A Study of Colorado.* Austin Landini, University of Missouri - Columbia
- *Pushed, Pulled, and Stuck: Labor Markets and New Businesses Owned by People of Color.* Tessa Conroy, University of Wisconsin - Madison; Austin Landini, University of Missouri - Columbia
- *"Let Us Put Our Moneys Together:" Minority-Owned Banks, Local Economic Development, and Resilience to Crises.* Allen Berger, University of South Carolina; Maryann Feldman, Arizona State University; William Langford, University of North Carolina - Chapel Hill; Raluca Roman, Federal Reserve Bank of Philadelphia

68. [Formal Paper Session] Disease Mitigation | Symphonie 4A

- *Institutional quality and COVID-19 vaccination: national factors and subnational authority.* Chiara F. Del Bo, Università degli Studi di Milano
- *City and Regional Demand for Vaccines Whose Supply Arises from Competition in a Bertrand Duopoly.* Amit Batabyal, Rochester Institute of Technology; Hamid Beladi, University of Texas at San Antonio
- *Human-Network Regions as Geographic Units for Disease Mitigation.* Clio Andris, Georgia Institute of Technology; Caglar Koçlu, University of Iowa; Mason Porter, University of California - Los Angeles
- *Optimizing spatial interventions for coupled economic-epidemic systems in an urban megaregion.* Gong Zhaoya, Peking University; Lou Huiping, Peking University; Chen Zhenhua, Ohio State University
- *Neighborhood Effects on Covid-19 Vaccinations.* Charlotta Mellander, Jonkoping International Business School

69. [Special Session] Honoring and Celebrating Arthur Getis: A LEGEND in Spatial Analysis II | Soprano A

- *Left Behind and Left Out? Evaluating (Dis)connections in the Spatially Focused Migration Network of England and Wales.* Rachael Sanderson, Newcastle University; Rachel Franklin, Newcastle University; Danny MacKinnon, Newcastle University; Joe Matthews, Newcastle University
- *ECONOMIC GROWTH AND REGIONAL SPILLOVERS IN THE EU.* Ioanna Tziolas, University of Groningen; Petros Milionis, University of Groningen; Paul Elhorst, University of Groningen
- *A Spatio-temporal Ecological Model of COVID-19 Vaccination Disparities in Texas.* Michael Tiefelsdorf, University of Texas - Dallas; Kyunghee Rhyu, University of Texas - Dallas
- *Identifying the poverty alleviation through space-time hot spots analysis from night-time images: A case study in Eastern Economic Corridor, Thailand.* Dongmei Chen, Queen`s University; Sirikul Hutasavi-Tungsapdougto, Queen`s University

70. [Special Session] Papers in Regional Science Lecture | Symphonie 3B

- *The Impacts of More Severe Weather Events on Housing Markets.* Amanda Ross, University of Alabama

12:30 pm-2:30 pm

[Business Meeting] NARSC Awards Luncheon | Grand Salon Opera

2:45 pm-4:45 pm

71. [Formal Paper Session] The Transportation System: Impact of Investments | Symphonie 1

- *Can a Supply Change in Mass Transit can (re)Shape Urbanization? The Example of the Tramway in Dijon (France).* Jean Dube, Universite Laval; Mohamed Hilal, Institut Agro Dijon; Julie Le Gallo, Institut Agro Dijon; Diego Legros, Universite de Bourgogne
- *The Impact of Public Transit on Firms' Survival: the Case of the Laval Subway.* Marie-Pier Champagne, Laval University; Jean Dube, Universite Laval
- *The welfare effects of spatial re-organisation: broadening the theoretical foundations of appraisal.* Tobie Cusson, Imperial College London; Daniel Hörcher, Imperial College London; Roger Vickerman, Imperial College London; Daniel Graham, Imperial College London

72. [Formal Paper Session] Innovation & Entrepreneurship | Symphonie 2A

- *The Cascadia Innovation Corridor: The Making of a High Tech Cross Border Region?.* Kathrine Richardson, San Jose State University
- *Regional Innovation, Age Structure and Productivity: Evidence from China's Patent Data.* Xiaochen Zhang, Duke Kunshan University; Min Zhang, Soochow University
- *Persistence and change of regional entrepreneurial activity in U.S. cities.* Haifeng Qian, University of Iowa

- *SMEs Under Water. The Impact of Households' Capital Shocks on SMEs..* Rebecca Mari, London School of Economics
- *Disruptive innovation and spatial inequality.* Tom Kemeny, University of Toronto; Sergio Petralia, Utrecht University; Michael Storper, University of California, Los Angeles

73. [Formal Paper Session] Regional/Rural Development X - Potpourri | Symphonie 3A

- *Spatial Effects of Air Transportation – case study of regions in the USA.* Ulmaskhon Kalandarova, Colorado State University
- *Going Native: Adopting Local Heuristics for Rural and Regional Development Projects.* Chayce Kenny, Saint Louis University
- *The Epidemic Effect: Epidemics, Institutions and Human Capital Development.* Belinda Archibong, Columbia University; Francis Annan, Georgia State University; Uche Ekhatomobayode, World Bank
- *The Effect of Employment Concentration and its Nature on Entrepreneurship..* Ignacio Correias, Colorado State University

74. [Formal Paper Session] Food & Waste | Symphonie 4A

- *Refining food access metrics for more actionability.* Shriya Rangarajan, Cornell University
- *We Love Green: Households' Valuation of Organic Farming and Challenges of Signalling.* Marine Coinon, Toulouse School of Economics; Rachel GUILLAIN, University of Burgundy; Sophie Legras, INRA - Dijon
- *Effects of Veterinarians on Foodborne Illness and Meat Output: Evidence From the Veterinary Medicine Loan Repayment Program.* Ben Blemings, Cornell University; Clinton Neill, Cornell University
- *Compulsory solid waste collection in Poland – spatial inequalities and their determinants.* Bartłomiej Rokicki, University of Warsaw; Raul Silveira Neto, Federal University of Pernambuco; Magdalena Miśkowiec, Jagiellonian University

75. [Special Session] Honoring and Celebrating Arthur Getis: A LEGEND in Spatial Analysis III | Soprano A

- *Mind the Forgotten Middle: The Bivariate Local Geary's C.* Ran Tao, University of South Florida; Jean-Claude Thill, University of North Carolina - Charlotte
- *Spatially Constrained Regime Regression.* Luc Anselin, University of Chicago; Pedro Amaral, Universidade Federal de Minas Gerais
- *Measuring Two Decades of Urban Spatial Structure: The Evolution of Agglomeration Economies in American Metros.* Elijah Knaap, University of California - Riverside; Sergio Rey, San Diego State University