

AERE Program

1. What's Missing in Environmental Justice Research in Economics: A Conversation with Policy Makers (Limited Virtual Access) [Plenary Session]

Wednesday | 5:00 pm-6:00 pm | Flagler/Monroe

Join policy experts from US federal government agencies as they share perspectives on what research from economists is most needed to inform and guide policy on issues of environmental justice, climate justice, and energy justice.

Panelists:

- Tony Reames, Office of Economic Impact and Diversity, US Department of Energy;
- Kelly Maguire, Economic Research Service, US Department of Agriculture;
- Charles Lee, Office of Policy, US Environmental Protection Agency;

Discussant:

- Ann Wolverton, Environmental Protection Agency;

6. Efficiency and Equity Aspects of Climate Change Mitigation Policies (Limited Virtual Access) [Organized Session]

Thursday | 9:30 am-11:00 am | Hibiscus B

Chair:Seunghoon Lee, Massachusetts Institute of Technology

- *Low-Hanging Fruit: Reducing Greenhouse Gas through a Food Waste Tax and its Welfare Implications.*Seunghoon Lee, Massachusetts Institute of Technology
- *Generating spatially explicit carbon tax incidence estimates: An application to Washington State.*Nathan Chan, University of Massachusetts - Amherst; Susan S. Sayre, Smith College
- *Do Carbon Offsets Offset Carbon?.*Raphael Calel, Georgetown University; Jonathan Colmer, University of Virginia; Matthieu Glachant, MINES ParisTech; Antoine Dechezlepretre, London School of Economics
- *Is There a Trade-Off Between Equity and Effectiveness for Electric Vehicle Subsidies?.*Joshua Linn, University of Maryland, College Park

2. Recreational Benefits [Regular Session]

Thursday | 9:30 am-11:00 am | Brickell Center

Chair:JORGE HOLZER, University of Maryland

- *Integrating Recreational Demand and Hedonic Price Models: Evidence from Iowa Lakes Surveys and Zillow Housing Transactions.*Xibo Wan, Massachusetts

Institute of Technology; Wendong Zhang, Iowa State university; Yongjie Ji, Iowa State university; Pengfei Liu, University of Rhode Island

- *Willingness to pay for water policies in the Great Lakes.*Richard Melstrom, Loyola University Chicago; Emma Donnelly, Loyola University Chicago; Jillian Hyink, Loyola University Chicago
- *Recreational benefit disparity? Evidence from underrepresented population in Iowa.*Wendong Zhang, Iowa State university; Yongjie Ji, Iowa State university; Wenran Fan, Iowa State university
- *The Ambiguity of Fishing for Fun.*JORGE HOLZER, University of Maryland; Kenneth McConnell, University of Maryland

3. Air Pollution [Regular Session]

Thursday | 9:30 am-11:00 am | Brickell North

Chair:Marc Jeuland, Duke University

- *NAAQS and the Composition of Ambient Fine Particulate Matter.*Ruohao Zhang, Northwestern University; Neha Khanna, Binghamton University; Jamie Hansen-Lewis, UC Davis
- *The Unintended Consequences of Short-Term Bans on Air Quality in China.*Antonio Bento, University of Southern California; Renzhin Shen, University of Southern California
- *Power Cuts and Household Air Pollution: Evidence from Rural India.*E. Somanathan, Indian Statistical Institute; Eshita Gupta, KPMG, India; Marc Jeuland, Duke University; Subhrendu Pattanayak, Duke University; T. Robert Fetter, Duke University; Vidisha Chowdhury, Carnegie Mellon University; T. V. Ninan, University of Washington; Utkarsh Kumar, Columbia University; Rachit Kamdar, University of Maryland, College Park; Suvir Chandna, The World Bank; Mike Bergin, Duke University; Karolyn Barkjohn, US EPA; Christina Norris, Duke University

4. Natural Disasters I: Infrastructure and Recovery [Regular Session]

Thursday | 9:30 am-11:00 am | Brickell South

Chair:Yanjun Liao, Resources for the Future

- *Private Benefits from Public Investment in Climate Adaptation and Resilience.*Jacob Bradt, Harvard Kennedy School; Joseph Aldy, Harvard Kennedy School
- *Effects of Levee Systems and Optimal Policy Targeting.*Hiroaki Shirai, University of Wisconsin, Madison
- *What's at stake? Understanding the role of home equity in flood insurance demand.*Yanjun Liao, Resources for the Future; Philip Mulder, University of Pennsylvania

5. Topics in Environmental Valuation [Regular Session] Thursday | 9:30 am-11:00 am | Hibiscus A

Chair:Frikk Nesje, University of Copenhagen

- *Using inferred valuation to disentangle cognitive biases in stated-preference discrete choice experiments.*Wiktor Budziński, University of Warsaw; Mikołaj Czajkowski, University of Warsaw; Ewa Zawajska, University of Warsaw
- *How Should the EPA Value Mortality Risk Reductions?.*Maureen Cropper, University of Maryland, College Park; Emily Joiner, Resources for the Future; Alan Krupnick, Resources for the Future
- *Cross-Dynastic Intergenerational Altruism.*Frikk Nesje, University of Copenhagen

7. Electricity Markets and Regulation Cost [Regular Session] Thursday | 9:30 am-11:00 am | Orchid C

Chair:Susanna Berkouwer, University of Pennsylvania

- *The Environmental and Economic Effects of Electricity Loss Reduction Interventions: Evidence from Pakistan.*Robyn Meeks, Duke University; Zhenxuan Wang, Duke University
- *Production subsidy expiration for wind generators: Implications for market and environmental outcomes.*Daniel Kaffine, University of Colorado, Boulder; Harrison Fell, Columbia University
- *Donor conditionality in electricity infrastructure construction.*Susanna Berkouwer, University of Pennsylvania; Catherine Wolfram, University of California, Berkeley; Edward Miguel, University of California, Berkeley; Eric Hsu, University of California, Berkeley

8. Market Based Regulation [Regular Session] Thursday | 9:30 am-11:00 am | Orchid D

Chair:Emanuele Campiglio, University of Bologna

- *Cap-and-trade vs. Carbon Taxes: Welfare Implications of Demand Uncertainty in the Power Sector.*Felipe Alberto Gomez Trejos, Arizona State University
- *Carbon Pricing and Inflation.*Antung Liu, Indiana University; Roberton Williams, University of Maryland, College Park
- *Impacts of a Cap-and-Trade Program on Local Air Pollution: Evidence from the Acid Rain Program.*Karen Clay, Carnegie Mellon University; Edson Severnini, Carnegie Mellon University; Xiaochen Sun, Carnegie Mellon University
- *The network effects of carbon pricing.*Emanuele Campiglio, University of Bologna; Hubert Massoni, University of Bologna; Stefan Trsek, Vienna University of Economics and Business

9. Waste Management [Regular Session]
Thursday | 9:30 am-11:00 am | Tuttle Center

Chair:Akshaya Jha, Carnegie Mellon University

- *Economics of IP in Sustainable Waste Management with Application to Managing Satellite Debris in Low Earth Orbit.*Jeffrey Wagner, Rochester Institute of Technology; Zachary Grzelka, Syracuse University
- *Rethinking Recycling? The Effects of China's Waste Import Ban on Local Environmental Outcomes in the U.S.*Shan Zhang, UNIVERSITY OF OREGON
- *Understanding Soft Commitment: Evidence from a Field Experiment on Recycling.*Eduard Alonso-Pauli, University of Balearic Islands; Pau Balart, University of Balearic Islands; Lara Ezquerro, University of Balearic Islands; Iñigo Hernandez-Arenaz, Universidad Publica de Navarra
- *Externalities of Policy-Induced Scrappage: The Case of Automotive Regulations.*Connor Forsythe, Carnegie Mellon University; Akshaya Jha, Carnegie Mellon University; Jeremy Michalek, Carnegie Mellon University; Kate Whitefoot, Carnegie Mellon University

10. Stated Preferences for Renewable Energy [Regular Session]
Thursday | 9:30 am-11:00 am | Tuttle North

Chair:Vasundhara Gaur, University of British Columbia

- *Household and Establishment-Level Economic Impacts of Wind Development.*Hannah Gagarin, Colorado School of Mines
- *Support for Renewable Energy: The Case of Wind Power.*Robert Germeshausen, Centre for European Economic Research (ZEW) Mannheim; Sven Heim, MINES ParisTech; Ulrich Wagner, University of Mannheim
- *Beyond the Solar Home Price Premium: Solar as a Neighborhood Amenity.*Emma Grazier, University of Massachusetts - Amherst
- *When Energy Issues are Land Use Issues: Estimating Preferences for Utility-Scale Solar Energy Siting.*Vasundhara Gaur, University of British Columbia; Corey Lang, University of Rhode Island; Gregory Howard, East Carolina University; Ruth Quainoo, East Carolina University

11. Climate Change and Health Outcomes [Regular Session]
Thursday | 9:30 am-11:00 am | Tuttle South

Chair:Kanishka Kacker, Indian Statistical Institute

- *An Extra Grain of Salt: The Effect of Salinity Exposure on Early Life Health Outcomes in Coastal Bangladesh.*Amanda Guimbeau, University of Sherbrooke; James Ji, Brandeis University; Nidhiya Menon, Brandeis University; Zi Long, Brandeis University

- *Into the Tropics: Temperature, Mortality and Access to Health Care in Colombia.*Juliana Helo, Universidad de los Andes
- *Temperature and Mental Distress: Evidence from Helpline Calls.*Benedikt Janzen, University of Bern
- *Does Traffic Congestion pose Health Hazards? Evidence from a Highly Congested and Polluted City.*Kanishka Kacker, Indian Statistical Institute; Ridhima Gupta, South Asian University; Saif Ali, Indrapastha Institute of Information Technology

**12. Keynote Address and Awards Luncheon (Limited Virtual Access) [Plenary Session]
Thursday | 11:15 am-1:15 pm | Riverfront North**

Robert O. Mendelsohn (Yale University) will talk about the US's track record with coastal resilience and opportunities for the future.

- *Coastal Resilience—Now and in the Future.*Robert Mendelsohn, Yale University

**17. How are financial market participants and regulators responding to climate-related risks? (Limited Virtual Access) [Organized Session]
Thursday | 1:30 pm-3:00 pm | Hibiscus B**

Chair:Adele Morris, Federal Reserve Board of Governors

- *Central Bank Communication about Climate Change.*David Arseneau, Federal Reserve Board of Governors; Alejandro Drexler, Federal Reserve Bank of Chicago; Mitsuhiro Osada, Federal Reserve Board of Governors and Bank of Japan
- *Climate Change, Firm Performance, and Investor Surprises.*Nora Pankratz, Federal Reserve Board of Governors; Rob Bauer, Maastricht University; Jeroen Derwall, Utrecht University
- *Leveraging the Disagreement on Climate Change: Evidence and Theory.*Laura Bakkensen, University Of Arizona; Toan Phan, Federal Reserve Bank of Richmond; Tsz-Nga Wong, Federal Reserve Bank of Richmond

**13. Extreme Weather [Regular Session]
Thursday | 1:30 pm-3:00 pm | Brickell Center**

Chair:Bret Stevens, UC Davis

- *The impacts of extreme weather in a developing mega-city.*Thomas Bearpark, Princeton University; Ashwin Rode, University of Chicago
- *Some like it cold: The Persistent Cost of Higher Temperatures in the Economic Sectors of Europe.*Ben Groom, University of Exeter; Manuel Linsenmeier, London School of Economics; Sefi Roth, London School of Economics
- *International Trade and Weather Variation.*Daniel Osberghaus, Centre for European Economic Research (ZEW) Mannheim; Oliver Schenker, Frankfurt School of Finance & Management

- *Making the Minimum: Exploring Weather Induced Variation in Credit Health Indicators.*Bret Stevens, UC Davis; Alan Barreca, University of California, Los Angeles; Nora Pankratz, Federal Reserve Board of Governors

14. Flood Risk [Regular Session]

Thursday | 1:30 pm-3:00 pm | Brickell North

Chair:Jesse Gourevitch, University of Pennsylvania

- *Estimating Flood Damages with the National Water Model.*Timothy Foreman, King's College London; Ana Varela Varela, University of Amsterdam; Jason Wong, Occidental College
- *"Sunny Day" Flooding and Mortality Risk.*Valerie Mueller, Arizona State University; Glenn Sheriff, Arizona State University; Mathew Hauer, Florida State University
- *Understanding and Valuing Flood Risk and Mitigation in Gulf Coast States.*Tamara Sheldon, University of South Carolina; Michelle Miro, RAND Corporation; Sergio Alvarez, University of Central Florida
- *Flood risk capitalization and potential overvaluation in US housing markets.*Jesse Gourevitch, University of Pennsylvania; Yanjun Liao, Resources for the Future; Christoph Nolte, Boston University; Jeremy Porter, First Street Foundation; Carolyn Kousky, University of Pennsylvania

15. Environment, Labor Market, and Productivity [Regular Session]

Thursday | 1:30 pm-3:00 pm | Brickell South

Chair:JAMIE MULLINS, University of Massachusetts - Amherst

- *The Heterogeneous Labor Market Effects of the BP Oil Spill.*Christopher Clapp, University of Chicago; Kevin Willardsen, Wright State University
- *Exposure or income? The unequal effects of pollution on daily labor supply.*Bridget Hoffmann, Inter-American Development Bank; Juan Pablo Rud, Royal Holloway, University of London
- *Air Quality and the Productivity of High-Skilled Workers: Evidence from GitHub.*Felix Holub, Goethe University Frankfurt; Beate Thies, University of Mannheim
- *Environmental factors contributing to worker well-being and productivity in Indian Call-Centers.*Deepshikha Batheja, Center for Disease Dynamics, Economics & Policy; Sarojini Herleifer, University of California, Riverside; JAMIE MULLINS, University of Massachusetts - Amherst

16. Adaptation and Resilience: Water Management [Regular Session]

Thursday | 1:30 pm-3:00 pm | Hibiscus A

Chair:Guilherme DePaula, Iowa State university

- *Evidence of climate adaptation: Temperature and groundwater extraction in California agriculture.*R. Aaron Hrozencik, USDA Economic Research Service; Matt Woerman, University of Massachusetts-Amherst; Fiona Burlig, University of Chicago; Louis Preonas, University of Maryland, College Park
- *Extensive Margin Adaptation to Drought and Water Scarcity.*Katrina Jessoe, University of California-Davis; Jeffrey Hadachek, UC Davis; Nick Hagerty, Montana State University; Ellen Bruno, University of California, Berkeley
- *The Benefits and Costs of Groundwater Regulation.*Ellen Bruno, University of California, Berkeley; Nick Hagerty, Montana State University
- *Adapting to Disasters: Evidence from Drought in Brazil.*Guilherme DePaula, Iowa State university; Behzad Jeddi, Iowa State university; David Keiser, University of Massachusetts-Amherst

18. Field Experiments [Regular Session]
Thursday | 1:30 pm-3:00 pm | Orchid C

Chair:Harald Mayr, University of Zurich

- *Do Electronic Home Energy Reports Promote Energy Conservation? It Depends.*Kathrin Kaestner, Rheinisch-Westfaelisches Institut fuer Wirtschaftsforschung (RWI); Colin Vance, Rheinisch-Westfaelisches Institut fuer Wirtschaftsforschung (RWI)
- *Who heeds the call to conserve in an energy emergency? Evidence from smart thermostat data.*Dylan Brewer, Georgia Institute of Technology; Jim Crozier, Georgia Institute of Technology
- *'Why', 'how much' or both? Comparing social comparison and real-time feedback to promote resource conservation.*Mark A. Andor, RWI – Leibniz Institute for Economic Research (RWI); Lorenz Götte, National University of Singapore and University of Bonn; Michael Price, University of Alabama; Anna Schulze Tilling, University of Bonn; Lukas Tomberg, RWI - Leibniz Institute for Economic Research
- *Beware of side effects? Spillover evidence from a hot water intervention.*Alexander Goetz, University of Basel; Harald Mayr, University of Zurich; Renate Schubert, ETH Zurich

19. Adaptation and Resilience: Avoidance Behavior [Regular Session]
Thursday | 1:30 pm-3:00 pm | Orchid D

Chair:Wesley Howden, University Of Arizona

- *Avoidance Behavior Heterogeneity: Causes and Costs.*Jeffrey Hadachek, UC Davis
- *The Willingness to Pay for a Cooler Day: Evidence from Baseball Games.*Melissa LoPalo, Montana State University; Kevin Kuruc, University of Oklahoma; Sean O'Connor, Federal Housing Finance Agency

- *Climate Change as a Determinant of Migrant Family Reunification*.Hyunwook Park, Cornell University; Arnab Basu, Cornell University; Nancy Chau, Cornell University; Ariel Ortiz-Bobea, Cornell University; Filiz Garip, Princeton University
- *Adaptation to Weather Shocks and Household Beliefs on Climate: Evidence from California*.Wesley Howden, University Of Arizona

20. Adaptation and Resilience: Agricultural Policy [Regular Session]
Thursday | 1:30 pm-3:00 pm | Tuttle Center

Chair:Gregory Howard, East Carolina University

- *Internal Migration and the Development of Indian Agriculture*.Raahil Madhok, University of British Columbia; Frederik Noack, University of British Columbia; Olivier Deschenes, University of California, Santa Barbara; Mushfiq Mobarak, Yale University
- *Evidence on the Private-Excess Fertilization Hypothesis*.Yuyuan Che, North Carolina State University; Hongli Feng, Iowa State university; David Hennessy, Iowa State university; Chaoqun Lu, Iowa State university
- *Warming Temperatures and Potential Adaptation through Breeding: Evidence from U.S. Soft Winter Wheat*.Minkyong Ko, Virginia Tech
- *Enrollment Restrictions and the Adoption of Conservation Practices in the U.S. Corn Belt*.Xiaolan Wan, Iowa State university; Gregory Howard, East Carolina University; Wendong Zhang, Iowa State university

21. Control of Pollution and Compliance [Regular Session]
Thursday | 1:30 pm-3:00 pm | Tuttle North

Chair:Sylwia Bialek, New York University, Institute for Policy Integrity

- *The Effect of Compliance Assistance on Compliance and Discharges*.Paul Ferraro, Johns Hopkins University; Jay Shimshack, University of Virginia
- *Dynamic Regulation with Firm Linkages: Evidence from Texas*.Nicholas Vreugdenhil, Arizona State University; Matthew Leisten, Federal Trade Commission
- *Beggar-thy-neighbor environmental policy? Evidence from California's Truck and Bus Regulation*.Fiona Burlig, University of Chicago; Ludovica Gasse, University of Warwick; Michael Greenstone, University of Chicago; Olga Rostapshova, University of Chicago
- *Still your grandfather's boiler: Estimating the effects of the Clean Air Act's grandfathering provisions*.Sylwia Bialek, New York University, Institute for Policy Integrity; Jack Gregory, UC Davis; Richard L. Revesz, New York University, Law School; Bridget Pals, New York University, Law School

22. Stated Preferences and Policies: Endangered Species [Regular Session]
Thursday | 1:30 pm-3:00 pm | Tuttle South

Chair:Aaron Enriquez, University of Alaska, Anchorage

- *Ecological entitlements and the wealth of wildlife.*Bailey Kirkland, University of Wyoming; Jacob Hochard, University of Wyoming; Wai Yan Siu, University of Wyoming
- *Economic Effects of Reversing Local Extinctions: Wolves in North America.*Eyal Frank, University of Chicago; Anouch Missirian, Toulouse School of Economics; Dominic Parker, University of Wisconsin, Madison; Jennifer Raynor, Wesleyan University
- *The Income Elasticity of WTP for Species: Implications for Limited Substitutability and the Integration of Natural Capital Into Climate Policy.*Marc Conte, Fordham University; Frances Moore, UC Davis; Bernardo Bastien-Olvera, UC Davis; Xiaoli Dong, UC Davis
- *Characterizing the conservation culture for charismatic critters.*Aaron Enriquez, University of Alaska, Anchorage; Stephen Newbold, University of Wyoming; David Finnoff, University of Wyoming

44. Posters [Poster Session]

Thursday | 3:00 pm-3:30 pm | Flagler/Monroe

Poster session guidelines may be found at

<https://aere.memberclicks.net/assets/2022Conference/AERE%202022%20Summer%20Conference%20Poster%20Session%20Guidelines.pdf>.

- *Local Adaptation and Maladaptation to Climate Change in U.S. Agriculture.*Jingfang Zhang, University of Kentucky; Emir Malikov, University of Nevada, Las Vegas; Ruiqing Miao, Department Of Economics, Auburn University
- *Households' fuel choices in the context of a decade-long load-shedding problem in Nepal.*Dhiroj Koirala, University of Massachusetts-Amherst
- *Fishing under the Radar: Illuminating the Compliance Gap of Fishing Bans.*Björn Bos, University of Hamburg
- *Hurricane Andrew and Affordable Housing in Miami Dade County.*Matthew Varkony, University of Miami
- *Who benefited from cleaner air during COVID-19 lockdowns in the United States?.*Ancilla Marie Inocencio, Binghamton University; Neha Khanna, Binghamton University
- *Tree-Trimming and Grid-Hardening: An Empirical Analysis of Electric Utility Efforts to Prevent Wildfire.*Cody Warner, University of California, Berkeley
- *Household Preference for Impure Public Goods - an Application of Community Gardens.*Liqing Li, California State University, Fullerton; Dede Long, California State University, Long Beach
- *Do French Firms Follow a Transparent or Climate-Friendly Path?.*Sandra Rigot, University Sorbonne Paris Nord
- *Does CWA regulation impede toxic pollution substitution: Air to Water?.*Md Ahad Khan, University of Kansas

- *New Cost of Air Pollution: Evidence from Solar Energy.*Moon Joon Kim, George Mason University Korea
- *Sea level rise exposure discounts: exploring differences across race and income.*Steven Koller, University of Miami
- *The estimation of the cost of clean air from a short-period policy.*Ying Wang, Texas A&M University; Yong Liu, Texas A&M University; Richard Woodward, Texas A&M University
- *Estimating Medium-run Direct Rebound Effects of the Footprint-based CAFE Standard.*Hiroshi Matsushima, University of Illinois, Urbana-Champaign; Madhu Khanna, University of Illinois, Urbana-Champaign
- *Wildlife Crossing Ahead: Deconstructing Local and Non-Local Benefits from Avoided Collisions.*Wai Yan Siu, University of Wyoming
- *The Short-Run, Dynamic Employment Effects of Natural Disasters: New Insights.*Alessandro Barattieri, Université du Québec à Montréal; Patrice Borda, Université des Antilles; Alberto Brugnoli, University of Bergamo; Martino Pelli, University of Sherbrooke; Jeanne Tschopp, University of Bern
- *The Effectiveness of a Green Default Nudge in Achieving Resource Conservation* Jimena González-Ramírez.Jimena González-Ramírez, Manhattan College

**28. Environmental Justice and Air Quality (Limited Virtual Access) [Organized Session]
Thursday | 3:30 pm-5:00 pm | Hibiscus B**

Organizer:Nikos Zirotiannis, Indiana University

- *Persistent health disparities in California: trends, sources, and policies.*Danae Hernandez-Cortes, Arizona State University; Meng Kyle, University of California, Santa Barbara
- *Do early childhood interventions moderate the effect of air pollution on cognition?.*Irene Jacqz, Harvard University
- *Building a Microdata Infrastructure to Study Environmental Risk and Inequality: The Census Environmental Impacts Frame.*John Voorheis, US Census Bureau; Jonathan Colmer, University of Virginia; Cameron Scalera, US Census Bureau; Jennifer Withrow, US Census Bureau; Kendall Houghton, US Census Bureau
- *Emitting under the radar: The Environmental Justice implications of Concrete Batch Plants in Houston.*Nikos Zirotiannis, Indiana University; April Byrne, Independent Researcher; Alex Hollingsworth, Indiana University; David Konisky, Indiana University

**24. Environmental Amenities and Property Values [Regular Session]
Thursday | 3:30 pm-5:00 pm | Brickell Center**

Chair:Jasdeep Mandia, Arizona State University

- *Impacts of Harmful Algal Blooms on Property Values in Western Lake Erie.*Alexander Natanson, Oregon State University

- *Housing Market Capitalization of Freshwater Fisheries: Evidence from Lake Oneida, NY.*Weizhe Weng, SUNY Geneseo; James Ji, Brandeis University; Kevin Boyle, Virginia Tech; Lars Rudstam, Cornell University; Kelly Cobourn, Virginia Tech
- *Capitalization of Noise Pollution: Evidence from Quasi-Random Changes to Flight Paths.*Jasdeep Mandia, Arizona State University

25. Climate Change: Risk and Spatial Analysis [Regular Session]
Thursday | 3:30 pm-5:00 pm | Brickell North

Chair:Andreas Lange, University of Hamburg

- *Economic impacts of melting of the Antarctic Ice Sheet.*Simon Dietz, London School of Economics; Felix Koninx, Arup
- *Climate Change and the Future Geography of Jobs in the United States.*Sylvain Leduc, Federal Reserve Bank of San Francisco; Daniel Wilson, Federal Reserve Bank of San Francisco
- *The Impacts of Climate Change on Risk Preferences.*Wesley Howden, University Of Arizona; Remy Levin, University of Connecticut
- *All it takes is one: The effect of weakest-link and summation aggregation on public good provision under threshold uncertainty.*Fredrik Carlsson, University of Gothenburg; Claes Ek, University of Gothenburg; Andreas Lange, University of Hamburg

26. Environmental Policy and Technology Adoption [Regular Session]
Thursday | 3:30 pm-5:00 pm | Brickell South

Chair:Jacquelyn Pless, Massachusetts Institute of Technology

- *Induced Innovation, Inventors, and the Energy Transition.*Todd Gerarden, Cornell University; Eugenie Dugoua, London School of Economics
- *Supporting a Green Technology Transition when Firms Act Strategically.*Frank Krysiak, University of Basel; Prudence Dato, University of Basel
- *Market Structure and Technology Adoption: Evidence from Renewable Energy.*Gaurav Doshi, University of Wisconsin, Madiso; Sarah Johnston, University of Wisconsin, Madiso
- *Improving Infrastructure Service Quality with Smart Technology: Evidence from Electricity Grid Investments in Texas.*Robyn Meeks, Duke University; Jacquelyn Pless, Massachusetts Institute of Technology; Zhenxuan Wang, Duke University

27. Energy Markets and Climate Change [Regular Session]
Thursday | 3:30 pm-5:00 pm | Hibiscus A

Chair:Megan Lang, University of California, Santa Barbara

- *Parched Power Plants: The Role of Markets & Plant Traits in Power Plants' Drought Responses.*Andrew Hutchens, North Carolina State University; Eric Edwards, North Carolina State University; Harrison Fell, Columbia University
- *Climate Change and Non-Residential Electricity Consumption.*Shaun McRae, ITAM
- *Extensive Margin Responses to Intensive Margin Prices: the Case of Subsidies for Solar in Togo.*Megan Lang, University of California, Santa Barbara

29. Government Policy [Regular Session]

Thursday | 3:30 pm-5:00 pm | Orchid C

Chair:Jason Brown, Federal Reserve Bank of Kansas City

- *Capital Versus Output Subsidies with an Inconsistent Regulator.*Asa Watten, US Environmental Protection Agency
- *Corporate Taxation and Carbon Emissions.*Thorsten Martin, Bocconi; Julien Sauvagnat, Bocconi; Luigi Iovino, Bocconi
- *Regulation-Induced Adaptation.*Antonio Bento, University of Southern California; Noah Miller, University of Southern California; Mehreen Mookerjee, Cornell University; Edson Severnini, Carnegie Mellon University
- *Can easy money make life hard? Borrowing and bankruptcy following a natural gas boom windfall.*Daniel Berkowitz, University of Pittsburgh; Andrew Boslett, University of Rochester Medical Center; Jason Brown, Federal Reserve Bank of Kansas City; Jeremy Weber, University of Pittsburgh

30. Deforestation I [Regular Session]

Thursday | 3:30 pm-5:00 pm | Orchid D

Chair:Marieke Fenton, UC Davis

- *Does the Selective Erasure of Protected Areas Raise Deforestation in the Brazilian Amazon?.*Derya Keles, INRAE; Alexander Pfaff, Duke University; Michael Mascia, Conservation International
- *Concessions & Eco-Certification in the Peruvian Amazon: Deforestation Impacts of Logging Rights and Restrictions.*Jimena Rico Traffon, University of California, Santa Barbara; Zhenhua Wang, University of Missouri; Stephanie Panlasigui, Duke University; Colby J. Loucks, World Wildlife Fund; Jennifer Swenson, Duke University; Alexander Pfaff, Duke University
- *Drivers of Deforestation and Equity of Deforestation Policy in Eastern Paraguay.*Marieke Fenton, UC Davis

31. Climate Change and Agriculture [Regular Session]

Thursday | 3:30 pm-5:00 pm | Tuttle Center

Chair:Allan Beltran Hernandez, University of Birmingham

- *Agricultural Innovation and Adaptation to Climate Change: Insights from U.S. Maize.*Yongjie Ji, Iowa State university; Seungki Lee, The Ohio State University; GianCarlo Moschini, Iowa State university
- *The Economic Impacts of Easements on Agricultural Yields and Risk.*Nicole Karwowski, University of Wisconsin, Madison
- *The Impact of Climate on Agriculture: A Meta-analysis of Ricardian Studies.*Allan Beltran Hernandez, University of Birmingham; Saul Basurto-Hernandez, National Autonomous University of Mexico

32. Adaptation and Resilience: Natural Disasters [Regular Session]

Thursday | 3:30 pm-5:00 pm | Tuttle North

Chair:Renato Molina, University of Miami

- *Are We Moving Towards Adaptation? Understanding the Migratory Response to Hurricanes in the United States.*Arnold Behrer, The World Bank; Valentin Bolotnyy, Stanford University
- *The Effect of Managed Retreat on Coastal Property Markets: Evidence from the NY Rising Buyout and Acquisition Program.*Yukiko Hashida, University of Georgia; Steven Dundas, Oregon State University
- *How do homebuyers adapt after exposure to a nearby disaster? Evidence from the Florida real estate market.*Timothy Hyde, Carnegie Mellon University
- *The Social Value of Hurricane Forecast.*Renato Molina, University of Miami; Ivan Rudik, Cornell University

33. Transportation I [Regular Session]

Thursday | 3:30 pm-5:00 pm | Tuttle South

Chair:Thomas Renstrom, Durham University Business School

- *Do Highway Infrastructure Investments Reduce Traffic? Localized Evidence from Texas.*Max Harleman, University of Rochester; Lena Harris, University of Rochester; Elaine Hill, University of Rochester; Perry Hystad, Oregon State University; David Schrank, Texas A&M University; Mary Willis, Boston University
- *Can bike-sharing services contribute to urban transportation? Evidence from Brazil.*Leonardo Cardoso, Federal University of Viçosa; Felipe Silva, Clemson University
- *Benefits of sustainable transportation infrastructure: Evidence from the housing market response to electric vehicle charging stations in California.*Jing Liang, Princeton University; Lucy Qiu, University of Maryland at College Park; Pengfei Liu, University of Rhode Island; Pan He, Cardiff University
- *Second Best Optimal Fuel and Vehicle Taxes in the Presence of Pollution and Congestion.*Xiaoxiao Ma, Aurora Energy Research; Laura Marsiliani, Durham University Business School; Thomas Renstrom, Durham University Business School

38. Frontiers of Water Quality Valuation at the EPA (Limited Virtual Access) [Organized Session]

Friday | 8:30 am-10:00 am | Hibiscus B

Chair:Chris Moore, US EPA NCEE

- *Answering the call: How the regulatory and research communities have advanced benefits analysis of Clean Water Act regulations.*Julie Hewitt, US EPA, Office of Water
- *What does the Clean Water Act Regulate?.*David Keiser, University of Massachusetts-Amherst
- *Revisiting forgone benefits analysis from WOTUS changes using integrated assessment modeling.*Charles Griffiths, US EPA NCEE; Matthew Massey, US EPA NCEE
- *Valuing Improvements in Quality and Ecological Integrity in Local and Regional Waterbodies: The Biological Condition Gradient Ladder.*Catherine Kling, Cornell University; David Keiser, University of Massachusetts-Amherst; Daniel Phaneuf, University of Wisconsin, Madison; Christian Vossler, The University of Tennessee

34. Adaptation and Resilience: Agricultural Technologies [Regular Session]

Friday | 8:30 am-10:00 am | Brickell Center

Chair:Guglielmo Zappalà, Paris School of Economics

- *Household Incentives to Establish Tree Cover on Agricultural Lands in Andhra Pradesh, India.*Stella Schons do Valle, Virginia Tech; Kelly Cobourn, Virginia Tech
- *Center Pivot Irrigation Systems as a Form of Drought Risk Mitigation in Humid Regions.*Daniel Cooley, Colorado School of Mines; Steven Smith, Colorado School of Mines
- *Drought, Crop Yield and Outmigration, County-level Evidence from the U.S..*Farjana Ahmed, Colorado State University
- *Do subjective perceptions shape adaptation to climate change? Evidence from Bangladesh.*Guglielmo Zappalà, Paris School of Economics

35. Flood and Climate Risk [Regular Session]

Friday | 8:30 am-10:00 am | Brickell North

Chair:Capucine Riom, London School of Economics

- *Social learning about climate change risk.*Yilan Xu, University of Illinois, Urbana-Champaign; Sebastien Box-Couillard, University of Illinois, Urbana-Champaign
- *Using Subjective or Objective Risk Indicators as Hazard Risk Management Tools: What are the Policy Implications?.*Eugene Frimpong, University of Georgia and Georgia Sea Grant; Gregory Howard, East Carolina University; Jamie Kruse, East Carolina University

- *Tracking the drivers of flood risks in the world's cities: 1985-2015.*Capucine Riom, London School of Economics; Louise Bernard, London School of Economics; Paolo Avner, The World Bank; Jun Rentschler, The World Bank; Sri Ramesh, University of California, Berkeley; Rui Su, The World Bank

36. Stated Preference: Air and Water Quality [Regular Session]
Friday | 8:30 am-10:00 am | Brickell South

Chair:Robert Johnston, Clark University

- *Where does air quality matter? New evidence from the housing market.*Eleanor Krause, Harvard University; Tridevi Chakma, Harvard Kennedy School
- *Not Knowing Thyself: Illusionary superiority and distorted preferences for air quality.*Anca Balietti, Heidelberg University; Angelika Budjan, Heidelberg University; Tillmann Eyemess, Heidelberg University
- *Stated and Revealed Financial Assistance Priorities: Evidence from the Clean Water State Revolving Fund (CWSRF).*Sharaban Anica, West Virginia University; Levan Elbakidze, West Virginia University
- *Spatial Dimensions of Water Quality Value: Evidence from Dynamic Map Interactions.*Robert Johnston, Clark University; Klaus Moeltner, Virginia Tech; Seth Peery, Virginia Tech; Tom Ndebele, Clark University; Zhenyu Yao, Virginia Tech; Stefano Crema, Clark University; Wilfred Wollheim, University of New Hampshire; Elena Besedin, ICF

37. Vehicle and gasoline policies [Regular Session]
Friday | 8:30 am-10:00 am | Hibiscus A

Chair:Mark Jacobsen, University of California, San Diego

- *Welfare and Environmental Benefits of Electric Vehicle Tax Policies in Developing Countries: Evidence from Colombia.*Jeronimo Callejas, University of Massachusetts-Amherst; Joshua Linn, University of Maryland, College Park; Jevgenijs Steinbuks, The World Bank
- *Fueling Alternatives: Gas Station Choice, the Value of Time, and Implications for Electric Charging.*Jackson Dorsey, Indiana University; Shaun McRae, ITAM; Ashley Langer, University Of Arizona
- *When the Myopic and Pro-social Meet: Second-Best Gasoline Policy.*Bei Luo, University of California, San Diego; Mark Jacobsen, University of California, San Diego
- *Negative Rebound: Fuel Economy Standards and Miles Traveled.*Mark Jacobsen, University of California, San Diego; Yanjun Liao, Resources for the Future

39. Development and Forest Biodiversity [Regular Session]
Friday | 8:30 am-10:00 am | Orchid C

Chair:Raahil Madhok, University of British Columbia

- *Tree Planting and Climate Endogeneity: Evidence from the Great Plains Shelterbelt.*Florian Grosset, Columbia University; Charles Taylor, Columbia University; Anna Papp, Columbia University
- *Disentangling the contributions of conservation and development policies to sustainability in the Brazilian Amazon.*Katrina Mullan, University of Montana; Jill Caviglia-Harris, Salisbury University; Erin Sills, North Carolina State University; Thales West, Scion—New Zealand Forest Research Institute; Laura Villalobos, Salisbury University; Jime Ribeiro, North Carolina State University; Mariana Vedoeto5, North Carolina State University
- *Seeing the whole picture? PES in forests: avoided deforestation, natural regeneration and spillovers..*Miguel Castro, The Nature Conservancy
- *The Development-Biodiversity Tradeoff in India's Tropical Forests.*Raahil Madhok, University of British Columbia

40. Integrated Assessment I [Regular Session]

Friday | 8:30 am-10:00 am | Orchid D

Chair:Alessandro Sardone, Halle Institute for Economic Research

- *Optimal emissions under exogenous and endogenous learning.*Simon Dietz, London School of Economics; Emanuele Campiglio, University of Bologna; Frank Venmans, Grantham Research Institute - LSE
- *A Dynamic Regional Integrated Assessment Modeling Framework to Assess Economic, Land Use, and Water Quality Outcomes in the Great Lakes Region.*Elena Irwin, Ohio State University; Yongyang Cai, Ohio State University; Brian Cultice, Ohio State University; Ziqian Gong, The Ohio State University; Jeff Bielicki, Ohio State University; Soo Min Chun, Ohio State University; Ziyu Guo, Ohio State University; Doug Jackson-Smith, Ohio State University; MacKenzie Jones, The Ohio State University; Jay Martin, Ohio State University; ALAN RANDALL, The Ohio State University; Ian Sheldon, Ohio State University
- *Multi-scale analysis of U.S. climate policy: Gridded implications for land systems change, water use and nitrogen leaching.*Maksym Chepeliev, Purdue University; Uris Baldos, Purdue University; Iman Haqiqi, Purdue University; Thomas Hertel, Purdue University; Jing Liu, Purdue University; Dominique van der Mensbrugghe, Purdue University
- *Climate and Monetary Policies: an Environmental-DSGE Approach.*Oliver Holtemöller, Halle Institute for Economic Research; Alessandro Sardone, Halle Institute for Economic Research

41. Consumer and Citizen Demand for Environmental Goods [Regular Session]

Friday | 8:30 am-10:00 am | Tuttle Center

Chair:Jonathan Colmer, University of Virginia

- *Work-from-home, electricity, and water: Evidence from Qatar.*David Bernstein, US Environmental Protection Agency; Alecia Cassidy, University of Alabama; Ahmed Khalifa, Qatar University
- *Peer Effects in Residential Green Infrastructure Adoption.*Daniel Brent, Pennsylvania State University; Gabriel Lara, Pennsylvania State University; Douglas Wrenn, Pennsylvania State University; Joseph Cook, Washington State University; Allison Lassiter, University of Pennsylvania
- *Are Consumer Boycotts Effective When Retailers Mediate Sales? The Case of Microbeaded Toothpaste.*Jacqueline Doremus, California Polytechnic State University; Stephen Hamilton, California Polytechnic State University; Timothy Richards, Arizona State University
- *Citizen Complaints and Regulator Behavior: Evidence from Texas.*Jonathan Colmer, University of Virginia; Mary Evans, University of Texas, Austin; Jay Shimshack, University of Virginia

**42. Water Management [Regular Session]
Friday | 8:30 am-10:00 am | Tuttle North**

Chair:Mostafa Shartaj, Colorado State University

- *Regulator Preference and Underinvestment in Water Infrastructure.*Chunyu Guo, SUNY Albany
- *Dynamic effects of irrigation technology: When increasing irrigation efficiency reduces groundwater use.*Micah Cameron Harp, Kansas State University; Nathan Hendricks, Kansas State University
- *Groundwater use on Trust Lands.*Mostafa Shartaj, Colorado State University; Jordan Suter, Colorado State University

**43. Air Pollution and Health [Regular Session]
Friday | 8:30 am-10:00 am | Tuttle South**

Chair:James Archsmith, University of Maryland, College Park

- *Seasonal Airborne Exposures Shape Birth Outcomes Near Hog Farms.*Nino Abashidze, University of Wyoming; Jacob Hochard, University of Wyoming; Laura O. Taylor, Georgia Institute of Technology
- *The Impact of Industrial Pollution on Hospital Admissions: Evidence from a Cement Plant in Russia.*Maria A. Cunha-e-Sá, NOVA School of Business and Economics; Mariia Murasheva, NOVA School of Business and Economics
- *The Long-Run Effects of Air Pollution Exposure.*James Archsmith, University of Maryland, College Park; Tatyana Deryugina, University of Illinois at Urbana of Champaign; Erica Myers, University of Cal

44. Posters [Poster Session]

Friday | 10:00 am-10:30 am | Flagler/Monroe

Poster session guidelines may be found at

<https://aere.memberclicks.net/assets/2022Conference/AERE%202022%20Summer%20Conference%20Poster%20Session%20Guidelines.pdf>.

- *Local Adaptation and Maladaptation to Climate Change in U.S. Agriculture.*Jingfang Zhang, University of Kentucky; Emir Malikov, University of Nevada, Las Vegas; Ruiqing Miao, Department Of Economics, Auburn University
- *Households' fuel choices in the context of a decade-long load-shedding problem in Nepal.*Dhiroj Koirala, University of Massachusetts-Amherst
- *Fishing under the Radar: Illuminating the Compliance Gap of Fishing Bans.*Björn Bos, University of Hamburg
- *Hurricane Andrew and Affordable Housing in Miami Dade County.*Matthew Varkony, University of Miami
- *Who benefited from cleaner air during COVID-19 lockdowns in the United States?.*Ancilla Marie Inocencio, Binghamton University; Neha Khanna, Binghamton University
- *Tree-Trimming and Grid-Hardening: An Empirical Analysis of Electric Utility Efforts to Prevent Wildfire.*Cody Warner, University of California, Berkeley
- *Household Preference for Impure Public Goods - an Application of Community Gardens.*Liqing Li, California State University, Fullerton; Dede Long, California State University, Long Beach
- *Do French Firms Follow a Transparent or Climate-Friendly Path?.*Sandra Rigot, University Sorbonne Paris Nord
- *Does CWA regulation impede toxic pollution substitution: Air to Water?.*Md Ahad Khan, University of Kansas
- *New Cost of Air Pollution: Evidence from Solar Energy.*Moon Joon Kim, George Mason University Korea
- *Sea level rise exposure discounts: exploring differences across race and income.*Steven Koller, University of Miami
- *The estimation of the cost of clean air from a short-period policy.*Ying Wang, Texas A&M University; Yong Liu, Texas A&M University; Richard Woodward, Texas A&M University
- *Estimating Medium-run Direct Rebound Effects of the Footprint-based CAFE Standard.*Hiroshi Matsushima, University of Illinois, Urbana-Champaign; Madhu Khanna, University of Illinois, Urbana-Champaign
- *Wildlife Crossing Ahead: Deconstructing Local and Non-Local Benefits from Avoided Collisions.*Wai Yan Siu, University of Wyoming
- *The Short-Run, Dynamic Employment Effects of Natural Disasters: New Insights.*Alessandro Barattieri, Université du Québec à Montréal; Patrice Borda, Université des Antilles; Alberto Brugnoli, University of Bergamo; Martino Pelli, University of Sherbrooke; Jeanne Tschopp, University of Bern
- *The Effectiveness of a Green Default Nudge in Achieving Resource Conservation* Jimena González-Ramírez.Jimena González-Ramírez, Manhattan College

**49. Legislation and Voting on Environmental Measures (Limited Virtual Access)
[Organized Session]**

Friday | 10:30 am-12:00 pm | Hibiscus B

Chairs: Donna Ramirez Harrington, University of Vermont; Sarah Jacobson, Williams College;

- *Bribing Voters to Support a State Carbon Tax.*Soren Anderson, Michigan State University; Ioana Marinescu, University of Pennsylvania
- *State Adoption of Carbon Pricing Policies.*Donna Ramirez Harrington, University of Vermont
- *The Aye of the Storm: Partisan Politics, Informative Events, and Voting on Environmental Legislation.*Sarah Jacobson, Williams College
- *Price Perception and Willingness to Vote for Public Goods.*Corey Lang, University of Rhode Island; Casey Wichman, Georgia Institute of Technology; Shanna Pearson-Merkowitz, University of Maryland, College Park

45. Air Pollution and Crime [Regular Session]

Friday | 10:30 am-12:00 pm | Brickell Center

Chair: Tatiana Zárate, University of British Columbia

- *The Effect of Abnormal Air Pollution on Crime.*Birzhan Batkeyev, Kazakh-British Technical University; David DeRemer, Nazarbayev University
- *Fine Particulate Matter Air Pollution and Safety.*Matthew Chambers, U.S. Bureau of Economic Analysis
- *Oh Shoot, Don't Pollute: the Effect of Air Pollution on Gun Violence.*Pei Huang, Centre for European Economic Research (ZEW) Mannheim
- *Air Pollution and Crime: Evidence from Mexico City.*Tatiana Zárate, University of British Columbia

46. Sustainable Business [Regular Session]

Friday | 10:30 am-12:00 pm | Brickell North

Chair: ALAN RANDALL, The Ohio State University

- *TRACER: TempORArY Climate changE exposuRe.*Leonardo Bortolan, University of Bologna; Atreya Dey, University of Edinburgh; Luca Taschini, University of Edinburgh Business School
- *Sustainable Banking and Credit Market Segmentation.*David Kelly, University of Miami; Christopher Paik, Central Bank of Korea
- *The Cost of Compliance: How Subsidies Stimulate Sustainability.*Florian Diekert, Heidelberg University; Tillmann Eymess, Heidelberg University; Timo Goeschl, Heidelberg University; Santiago Gómez, Heidelberg University

- *Weak and Strong Sustainability Assessment at Regional Scale – A Contribution to Regional Integrated Assessment Modeling with an Application to the Great Lakes Region.*ALAN RANDALL, The Ohio State University; MacKenzie Jones, The Ohio State University; Elena Irwin, Ohio State University; Bhavik Bakshi, The Ohio State University; Ying Xue, The Ohio State University

**47. Drinking Water Contamination and Adaptation [Regular Session]
Friday | 10:30 am-12:00 pm | Brickell South**

Chair:Emily Pakhtigian, Pennsylvania State University

- *Per- and polyfluoroalkyl substances (PFAS) in drinking water and avoidance behavior: Evidence from New Jersey.*Rosie Mueller, Whitman College; Michelle Marcus, Vanderbilt University
- *Factors Affecting Customer Participation in Lead Service Line Replacement.*Heather Klemick, US EPA NCEE; Ann Wolverton, Environmental Protection Agency; Bryan Parthum, Environmental Protection Agency; Emma Hopkins, Environmental Protection Agency
- *Threshold Manipulation and Lead Monitoring in U.S. Drinking Water.*Tihitina Andarge, University of Massachusetts - Amherst; Dalia Ghanem, University of California, Davis; David Keiser, University of Massachusetts-Amherst; Gabriel Lade, Macalester College
- *Early warning systems, mobile technology, and cholera aversion: Evidence from rural Bangladesh.*Emily Pakhtigian, Pennsylvania State University; Sonia Aziz, Moravian University; Ali Akanda, University of Rhode Island; Kevin Boyle, Virginia Tech

**48. Environmental Justice [Regular Session]
Friday | 10:30 am-12:00 pm | Hibiscus A**

Chair:Chris Malloy, University of California, Santa Barbara

- *Environmental Justice for Seniors? Evidence from the Superfund Program.*Sayahnika Basu, University of California, San Diego; Jonathan Ketcham, Arizona State University; Nicolai Kuminoff, Arizona State University
- *The Historical Origins of Heat Disparities: Evidence from the Great Migration.*Tridevi Chakma, Harvard Kennedy School
- *Environmental Justice and the Multigenerational Persistence of Environmental Exposure.*Huan Li, North Carolina A&T State University; Ruohao Zhang, Northwestern University; Neha Khanna, Binghamton University
- *The Socioeconomic Consequences of Wildfire Liability: Evidence from PSPS Events in California.*Chris Malloy, University of California, Santa Barbara

**50. Natural Disasters II: Fires [Regular Session]
Friday | 10:30 am-12:00 pm | Orchid C**

Chair:Christine Dimke, Colorado State University

- *Up in Smoke? Catastrophic Urban Fires and Housing Prices.*Kevin Berry, University of Alaska, Anchorage; Hannah Hennighausen, University of Alaska, Anchorage; Alexander James, University of Alaska, Anchorage
- *Local Economic Impacts of Wildfires.*Margaret Walls, Resources for the Future; Matthew Wibbenmeyer, Resources for the Future
- *Recent Climate Change Has Lowered the Economic Value of Natural Resources: Evidence from Fires and Western U.S. Timberland.*Yuhan Wang, Oregon State University; David Lewis, Oregon State University
- *Efficiency and Distributional Affects of Fire Mitigation Grants.*Christine Dimke, Colorado State University

51. Political Economy [Regular Session]

Friday | 10:30 am-12:00 pm | Orchid D

Chair:Armon Rezai, Vienna University of Economics and Business

- *Populism and the persistence of inefficient policies: Evidence from fuel markets in Brazil.*Antonio Bento, University of Southern California; Claudio Lucinda, University of São Paulo; Noah Miller, University of Southern California
- *Does the Media Respond to Political Messaging? Evidence from Local Newspaper Coverage of Climate Change.*Graham Beattie, Loyola Marymount University; Andrew Meyer, Marquette University
- *Newspapers, Information and Enforcement of Environmental Laws.*Bianca Ravani Cecato, University of British Columbia
- *Gathering Support for Green Tax Reform.*Fredrick van der Ploeg, University of Oxford; Armon Rezai, Vienna University of Economics and Business; Miguel Tovar, ESRI Dublin

52. Transportation II [Regular Session]

Friday | 10:30 am-12:00 pm | Tuttle Center

Chair:Madeline Werthschulte, Centre for European Economic Research (ZEW) Mannheim

- *Riding together: eliciting travelers' preferences for long-distance carpooling.*Nicolas Astier, Paris School of Economics; Xavier Lambin, ESSEC
- *The effects of price incentives for ridesharing: evidence from Chicago's congestion policy.*Samuel Stolper, University of Michigan-Ann Arbor; Morteza Taiebat, University of Michigan-Ann Arbor; Ming Xu, University of Michigan-Ann Arbor
- *Congestion and Labor Supply: Evidence from Smartphone big data in Mexico.*Daniel Higa, Simon Fraser University

- *The Hidden Costs of Traffic Congestion.*Madeline Werthschulte, Centre for European Economic Research (ZEW) Mannheim; Andreas Löschel, Ruhr-University Bochum; Laura Razzolini, University of Alabama; Michael Price, University of Alabama

**53. Non-renewable Resources and Labor Market Outcomes [Regular Session]
Friday | 10:30 am-12:00 pm | Tuttle North**

Chair:Camilo De Los Rios, Duke University

- *Do oil booms leave women behind.*Loujaina Abdelwahed, Cooper Union; Richard Campbell, University of Illinois
- *Employment Effects of Coal Mine Openings in China.*Yuanwei Xu, Ruhr University Bochum; Tong Zhu, University of Dundee; Andreas Löschel, Ruhr-University Bochum
- *Labor Reallocation, Human Capital Investment, and “Stranded Careers”: Evidence from an Oil Boom and Bust.*Erik Katovich, University of Wisconsin, Madiso; Dominic Parker, University of Wisconsin, Madiso; Steven Poelhekke, University of Auckland
- *Digging Deep: Resource Exploitation and Higher Education.*Nathaly Rivera, University of Sao Paulo; Lenin Balza, Inter-American Development Bank; Camilo De Los Rios, Duke University

**54. Electric Vehicles [Regular Session]
Friday | 10:30 am-12:00 pm | Tuttle South**

Chair:Beia Spiller, Resources for the Future

- *Adjustable product attributes, indirect network effects, and subsidy design: The case of electric vehicles.*Kevin Remmy, University of Mannheim
- *Measuring electric vehicle mileage and response to electricity prices.*Cody Nehiba, Louisiana State University
- *The Effect of Adopting the Next Generation Air Transportation System on Air Travel Performance.*Christy Zhou, Clemson University
- *The Electric Vehicle Rebound Effect.*Kenneth Gillingham, Yale University; Beia Spiller, Resources for the Future; Marta Talevi, Yale University

**58. New Research on the Social Costs of Greenhouse Gas Emissions (Limited Virtual Access) [Sponsored Session]
Friday | 1:30 pm-3:00 pm | Hibiscus B**

Chairs:Alex Marten, US EPA NCEE;Elizabeth Kopits, US EPA NCEE;Chris Moore, US EPA NCEE;

Sponsored by U.S. Environmental Protection Agency The social cost of greenhouse gas emissions (SC-GHG) are the theoretically appropriate values to use when conducting

benefit-cost analysis of policies that affect emissions. In principle, the SC-GHG should reflect the value of all climate change impacts, which are vast. In reality, estimates of the SC-GHG capture only a subset of the impacts because knowledge of many physical and societal welfare impacts is lacking. This session will include papers that aim to expand our knowledge of heretofore omitted impacts and improve the estimation of SC-GHG.

- *Damage Functions for Non-Climate Mediated Impacts of GHG Emissions.*Alex Marten, US EPA NCEE
- *Damage Functions for Ocean Acidification and Warming Impacts on Global Shellfisheries.*Chris Moore, US EPA NCEE
- *Labor Disutility in a Warmer World: The Impact of Climate Change on the Global Workforce.*Michael Greenstone, University of Chicago
- *The Social Cost of Carbon: Advances in Long-Term Probabilistic Projections of Population, GDP, Emissions, and Discount Rates.*Brian Prest, Resources for the Future; Billy Pizer, Resources for the Future

55. Climate Change: International Cooperation [Regular Session] **Friday | 1:30 pm-3:00 pm | Brickell North**

Chair:Manuel Linsenmeier, London School of Economics

- *Using Information to Improve Global Cooperation: A Climate Change Experiment.*Pedro Naso, Henan University
- *The international diffusion of policies for climate change mitigation.*Manuel Linsenmeier, London School of Economics; Adil Mohommad, International Monetary Fund; Gregor Schwerhoff, International Monetary Fund

56. Non-Point Source Pollution [Regular Session] **Friday | 1:30 pm-3:00 pm | Brickell South**

Chair:Jacob Hochard, University of Wyoming

- *Empirical Evaluation of Non-Point Source Pollution Abatement – Is an Improvement Detectable?.*Max Pohlman, Pennsylvania State University; Katherine Y. Zipp, Pennsylvania State University
- *Climate change and water pollution: the impact of extreme rain on nutrient runoff in Wisconsin.*Marin Skidmore, University of Wisconsin, Madiso; Jeremy Foltz, University of Wisconsin, Madiso; Tihitina Andarge, University of Massachusetts - Amherst
- *Interdependence of water quality and quantity policies: the case of nutrient runoff in the Mississippi River Basin.*Levan Elbakidze, West Virginia University; Yuelu Xu, West Virginia University; Jeffrey Arnold, USDA Economic Research Service; Phil Gassman, Iowa State university; Haw Yen, Bayer
- *Seasonality Hides Groundwater Contamination Risks Near Swine Lagoons.*Jacob Hochard, University of Wyoming; Nino Abashidze, University of Wyoming;

Randall Etheridge, East Carolina University; Yuanhao Li, Norwegian School of Economics (NHH); Ariane Peralta, East Carolina University; Charles Sims, University of Tennessee; Tom Vogel, East Carolina University

57. Equity issues in the energy transition [Regular Session]

Friday | 1:30 pm-3:00 pm | Hibiscus A

Chair:Daniel Raimi, Resources for the Future

- *Equitable and low-carbon transition pathways for California's oil extraction.*Olivier Deschenes, University of California, Santa Barbara; Ranjit Deshmukh, University of California, Santa Barbara; David Lea, University of California, Santa Barbara; Meng Kyle, University of California, Santa Barbara; Paige Weber, University of North Carolina, Chapel Hill; Danae Hernandez-Cortes, Arizona State University; Ruiwen Lee, University of California, Santa Barbara; Chris Malloy, University of California, Santa Barbara; Tracey Mangin, University of California, Santa Barbara; Measrainsey Meng, University of California, Santa Barbara; Vincent Thivierge, University of California, Santa Barbara
- *The Environmental Justice Effects of Well Cleanup.*Danae Hernandez-Cortes, Arizona State University; Vincent Thivierge, University of California, Santa Barbara
- *Measuring the Welfare and Distributional Effects of Co-Benefits of Carbon Capture, Utilization and Storage Technology.*Andrew Waxman, The University of Texas at Austi; Sheila Olmstead, University of Texas at Austi
- *The State of Abandoned Mine Reclamation: Perspectives from Pennsylvania Stakeholders.*Jeremy Weber, University of Pittsburgh; Kelsey Forren, University of Pittsburgh; Sean McCoy, University of Nevada, Las Vegas; Katie Jo Black, Kenyon College

59. Land Use [Regular Session]

Friday | 1:30 pm-3:00 pm | Orchid C

Chair:Jarron VanCeylon, University of Rhode Island

- *The Impacts of Land Registry on Land Use and Deforestation Depend on Existing Land Use.*Suhyun Jung, West Virginia University
- *At what price? The effects of a pricing rule change on outcomes in a PES auction.*Ben Balmford, LEEP Institute, University of Exeter; Joseph Collins, EnTrade, Claverton Down, Bath; Brett Day, LEEP Institute, University of Exeter; Luke Lindsay, Economics Department, University of Exeter; James Peacock, EnTrade, Claverton Down, Bath
- *Encouraging the defragmentation of habitat across a privately-owned landscape.*Pierce Donovan, Colgate University

- *The Distributional Impacts of Land Conservation.*Jarron VanCeylon, University of Rhode Island; Corey Lang, University of Rhode Island; Amy Ando, University of Illinois

60. Topics on Energy [Regular Session]

Friday | 1:30 pm-3:00 pm | Orchid D

Chair:Jerico Fiestas Flores, University of Alberta

- *Quantifying the Role of Midstream Congestion and Market Structure in Permian Flaring.*Mark Agerton, UC Davis; Wesley Blundell, Washington State University; Ben Gilbert, Colorado School of Mines; Gregory Upton, Louisiana State University
- *Are we building too many natural gas pipelines?.*Thuy Doan, University of Hawaii, Manoa; Michael Roberts, University of Hawaii, Manoa; Matthias Fripp, University of Hawaii, Manoa
- *A Dynamic Economic Analysis of oil sands process-affected water (OSPW) treatment alternatives in Alberta.*Jerico Fiestas Flores, University of Alberta; Grant Hauer, University of Alberta; Vic Adamowicz, University of Alberta

61. Electricity Pricing [Regular Session]

Friday | 1:30 pm-3:00 pm | Tuttle Center

Chair:Grant Jacobsen, University of Oregon

- *Drivers of Household Electricity Savings under Time-of-Use Pricing.*Jinmahn Jo, University of California, Davis
- *Pricing Schemes for Solar Energy Matter in Residential Electricity Use.*Hideki Shimada, National Institute of Advanced Industrial Science and Technology; Tomonori Honda, National Institute of Advanced Industrial Science and Technology
- *High Bill Alerts and Energy Consumption.*Grant Jacobsen, University of Oregon; James Stewart, The Cadmus Group

62. Fisheries [Regular Session]

Friday | 1:30 pm-3:00 pm | Tuttle North

Chair:Akbar Marvasti, National Oceanic and Atmospheric Administration

- *Optimal Fishing with Tipping Points.*Ted To, US Bureau of Labor Statistics
- *Spatial-dynamic model of commercial fishermen trip decision-making.*Xiurou Wu, University of California, Davis; James Sanchirico, University of California, Davis
- *Understanding Public Preferences for Shellfish Aquaculture Expansion: The Role of Production Technology and Environmental Impacts.*Giulio Farolfi, Clark University; Robert Johnston, Clark University

- *Moral Hazard and Self-Selection in Insurance Markets: Evidence from Commercial Fisheries.*Akbar Marvasti, National Oceanic and Atmospheric Administration

**63. Air Pollution II [Regular Session]
Friday | 1:30 pm-3:00 pm | Tuttle South**

Chair:Sabrina Eisenbarth, University of Exeter

- *Clean Identification? The Effects of the Clean Air Act on Air Pollution, Exposure Disparities and House Prices.*Gregor Singer, London School of Economics; Lutz Sager, Georgetown University
- *(Re)scheduling Pollution Exposure: The Case of Surgery Schedules.*Jialin Huang, Peking University; Jianwei Xing, Peking University; Eric Zou, University of Oregon
- *Patronage and Pollution Abatement.*Yin Chu, Zhongnan University of Economics and Law; Scott Holladay, University of Tennessee; Xian-Liang Tian, Zhongnan University of Economics and Law
- *Enforcement Campaigns and Deterrence of Pollution Violations: Evidence from Central Environmental Inspections in China.*Qi WANG, Nanjing University; Mark Buntaine, University of California, Santa Barbara; Sabrina Eisenbarth, University of Exeter; Bing Zhang, Nanjing University

**68. Pollution Exposure and Children's Cognitive and Health Outcomes (Limited Virtual Access) [Organized Session]
Friday | 3:15 pm-4:45 pm | Hibiscus B**

Organizer:Ron Shadbegian, San Diego State University

Chair:Dennis Guignet, Appalachian State University

- *Uncharted Waters: Effects of Maritime Emission Regulation.*Michelle Marcus, Vanderbilt University
- *The Overall and Distributional Impacts of Hazardous Waste Cleanups on Infant Health.*Alecia Cassidy, University of Alabama; Lala Ma, University of Kentucky; Elaine Hill, University of Rochester
- *The Impacts of Mitigating Hazardous Chemical Releases on Infant Health.*Dennis Guignet, Appalachian State University; Linda Bui, Brandeis University; Heather Klemick, US EPA NCEE; Ron Shadbegian, San Diego State University

**64. Carbon Offsets and conservation [Regular Session]
Friday | 3:15 pm-4:45 pm | Brickell Center**

Chair:Zichu Zhao, Oregon State University

- *Conserving carbon: spatially-explicit dynamic programming for agricultural conservation policy.*Emily McGlynn, University of California, Davis

- *The Social Value of Offsets.*Ben Groom, University of Exeter; Frank Venmans, Grantham Research Institute - LSE
- *Natural Forests, Planted Forests, and Land-Use Change in the Southeastern United States.*Zichu Zhao, Oregon State University; David Lewis, Oregon State University

65. Ecosystem Services [Regular Session]
Friday | 3:15 pm-4:45 pm | Brickell North

Chair:Haoluan Wang, University of Maryland, College Park

- *Optimal management of natural resources generating multiple ecosystem services.*Jaime Ashander, US Geological Survey; Kailin Kroetz, Arizona State University; Yusuke Kuwayama, University of Maryland, Baltimore County; Cameron Speir, NOAA Fisheries; Tyler Treakle, Arizona State University
- *Payments and Penalties in Ecosystem Services Programs.*Youngho Kim, University of Maryland at College Park; Erik Lichtenberg, University of Maryland, College Park; David Newburn, University of Maryland, College Park
- *Time and Risk Preferences in Payments for Ecosystem Services Contracts.*Erik Lichtenberg, University of Maryland, College Park; David Newburn, University of Maryland, College Park; Haoluan Wang, University of Maryland, College Park

66. Carbon Pricing [Regular Session]
Friday | 3:15 pm-4:45 pm | Brickell South

Chair:Zhenxuan Wang, Duke University

- *On the differential effects of carbon pricing through energy use: Evidence from French manufacturing employment, 2005 - 2019.*Melanie Marten, CY Cergy Paris University
- *Who Bears the Load? Carbon Taxes and Electricity Markets.*Jeffrey Cross, Hamilton College
- *Carbon Leakage within Firm Ownership Networks: Evidence from China's Regional Carbon Market Pilots.*Jingbo Cui, Duke Kunshan University; Chunhua Wang, Shanghai Jiao Tong University; Zhenxuan Wang, Duke University; Junjie Zhang, Duke University; Yang Zheng, London School of Economics

67. Climate Policy [Regular Session]
Friday | 3:15 pm-4:45 pm | Hibiscus A

Chair:Frances Moore, UC Davis

- *Policy Competition for Greenhouse Gas Emissions Mitigation and the Preferred Social Cost of Carbon.*Joel Landry, Pennsylvania State University

- *Climate Policy Uncertainty in the United States*.Junyoung Jeong, The Ohio State University
- *Public preferences for a state-level carbon cap-and-trade program*.Garrett Stanford, University of Oregon; Trudy Ann Cameron, University of Oregon
- *Distribution, Drivers of Variance and Structural Uncertainties in the Social Cost of Carbon*.Frances Moore, UC Davis; James Rising, University of Delaware; Simon Dietz, London School of Economics; Moritz Drupp, University of Hamburg; Ivan Rudik, Cornell University; Gernot Wagner, New York University, Stern School of Business

69. Deforestation II [Regular Session]

Friday | 3:15 pm-4:45 pm | Orchid C

Chair:Nilesh Shinde, Virginia Tech

- *Geography, Market Power and Supply Chain Regulation in the Amazon*.Marcos Barrozo, Harvard Kennedy School
- *Agricultural shocks, coping policies and deforestation: Evidence from the coffee rust epidemic in Mexico*.Berk Oktem, University of Pau (UPPA); Isabelle Chort, University of Pau
- *Smallholders' Decision to Enroll in the Rural Environmental Registry in the Brazilian Amazon*.Stella Schons do Valle, Virginia Tech; Nilesh Shinde, Virginia Tech

70. National Parks and Protected Areas [Regular Session]

Friday | 3:15 pm-4:45 pm | Orchid D

Chair:Casey Wichman, Georgia Institute of Technology

- *Free Access, Private Ownership, and Informality*.Julien Daubanes, University of Geneva; Jérémy Laurent-Lucchetti, University of Geneva; Emmanuel Milet, University of Geneva
- *Urbanization in Europe: Do Protected Areas Protect?*.Arijit Ghosh, Rheinisch-Westfaelisches Institut fuer Wirtschaftsforschung (RWI); Stephan Sommer, Rheinisch-Westfaelisches Institut fuer Wirtschaftsforschung (RWI); Colin Vance, Rheinisch-Westfaelisches Institut fuer Wirtschaftsforschung (RWI)
- *Social Media Influences National Park Visitation*.Casey Wichman, Georgia Institute of Technology

71. Climate Modeling [Regular Session]

Friday | 3:15 pm-4:45 pm | Tuttle North

Chair:Wai Yan Siu, University of Wyoming

- *How Constant is Constant Elasticity of Substitution? Endogenous Substitution between Clean and Dirty Energy.*Ara Jo, ETH Zurich; Alena Miftakhova, ETH Zurich
- *A unifying algebra of green intermediates.*Nathan Chan, University of Massachusetts - Amherst
- *Natural Wealth, Externalities and Restitution Pricing.*Wai Yan Siu, University of Wyoming; Drew Bennett, University of Wyoming; Bailey Kirkland, University of Wyoming; Jacob Hochard, University of Wyoming