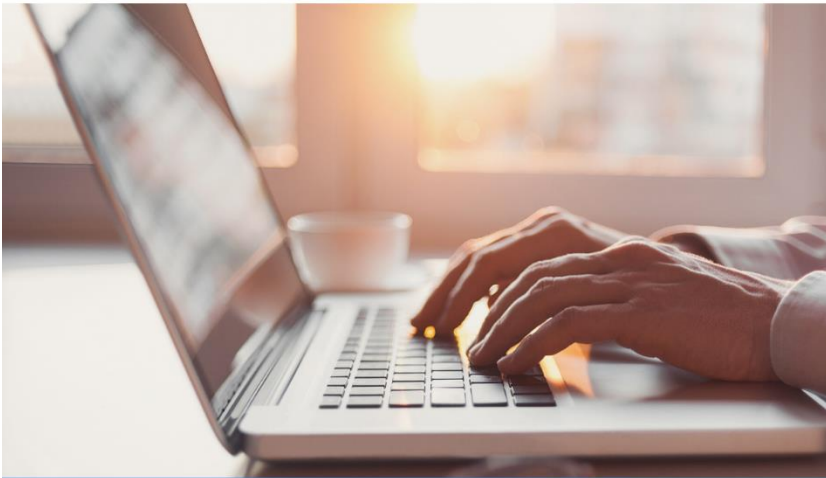


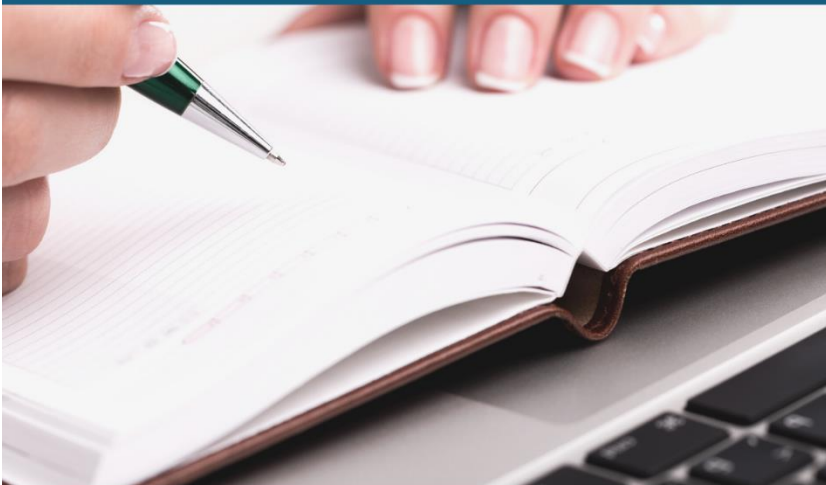
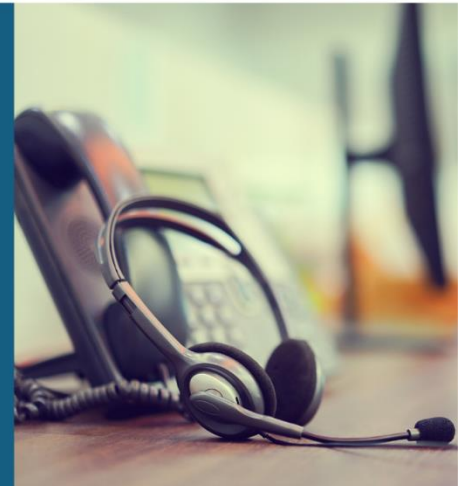


# Association of Environmental and Resource Economists



PROGRAM AT  
A GLANCE

2020 VIRTUAL  
CONFERENCE



JUNE 3 - JUNE 5



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

## **AERE OFFICERS**

President – Daniel J. Phaneuf, University of Wisconsin-Madison  
Vice President – John C. Whitehead, Appalachian State University  
Secretary – Nicolai Kuminoff, Arizona State University  
Treasurer – Margaret Walls, Resources for the Future  
Immediate Past President – Laura O. Taylor, Georgia Institute of Technology

## **AERE BOARD OF DIRECTORS**

Soren Anderson, Michigan State University  
Mary F. Evans, Claremont-McKenna College  
Lynne Lewis, Bates College  
Paulina Oliva, University of Southern California  
Karen Clay, Carnegie Mellon University  
Neha Khanna, Binghamton University

## **EX-OFFICIO BOARD MEMBERS**

Sheila Olmstead, University of Texas  
Cathy Kling, Cornell University  
Tonya Wade, AERE Executive Director



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

## 2020 INSTITUTIONAL MEMBERS

Environmental Defense Fund  
US Forest Service, Rocky Mountain Research Station  
W. H. Desvousges & Associates, Inc.

## 2020 UNIVERSITY MEMBERS

Clark University  
Colorado State University, Department of Agricultural and Resource Economics  
Cornell University, Charles H Dyson School of Applied Economics and Management  
Cornell University, Cornell Institute for China Economic Research (CICER).  
Duke University, University Program on Environmental Policy  
Iowa State University, Department of Economics  
Johns Hopkins University  
Mississippi State University, Department of Agricultural Economics  
North Carolina State University, Department of Agricultural and Resource Economics  
Pennsylvania State University, Department of Agricultural Economics  
Purdue University - Department of Agricultural Economics  
Universidad Iberoamericana  
University of Alberta, Department of Resource Economics and Environmental Sociology  
University of California - Berkeley, Department of Agricultural & Resource Economics  
University of California - Davis, Department of Agricultural & Resource Economics  
University of California - San Diego  
University of California, Los Angeles  
University of Connecticut, Department of Agricultural and Resource Economics  
University of Hawaii at Manoa, Department of Economics  
University of Illinois at Urbana-Champaign, Department of Agricultural & Consumer Economics  
University of Michigan - Erb Institute  
University of Wisconsin-Madison - Department of Agricultural & Applied Economics  
University of Wyoming, Department of Economics  
Virginia Tech, Department of Agricultural and Applied Economics  
Yale University, School of Forestry & Environmental Studies/Center for Business and the Environment

## Parallel Sessions

Parallel Sessions are 90 minutes in length, and typically include four papers. Each presenter is given 15-18 minutes, followed by 2-4 minutes of audience Q&A. No Parallel Session presentation (including questions) may exceed 22 minutes. This is strictly enforced by the session chair. The session chair will be bolded. Sessions with fewer than four papers follow the same format, with a maximum of 22 minutes per paper.

**Important Notice:** The content of this Conference reflects the views of the speakers and does not necessarily represent the position of the Association. Neither the Association nor its officers, members or staff assumes responsibility or liability for the accuracy of information presented or the appropriateness of its use with specific clients. Each attendee is advised to make an independent judgment regarding the content and use of this information.



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

## Table of Contents

June 3, 2020 9:00-10:30 Eastern Daylight Time (UTC is 13:00 - 14:30)	7
Air Pollution and Health	7
Deforestation	7
Energy and Energy Storage	7
June 3, 2020 11:30-13:00 Eastern Daylight Time (UTC is 15:30 - 17:00)	8
Air Pollution and Health	8
Climate: Agriculture	8
Deforestation	8
Energy	8
Transportation	8
June 3, 2020 15:00-16:30 Eastern Daylight Time (UTC is 19:00 - 20:30)	10
Climate: Impacts	10
Econometrics	10
Energy and Climate	10
Environmental Justice	10
Trade and Environment	10
June 4, 2020 9:00-10:30 Eastern Daylight Time (UTC is 13:00 - 14:30)	12
Climate: Dynamics	12
Energy: Conservation	12
Health and Productivity	12
Policy Impacts	12
Policy Modeling	12
June 4, 2020 11:30 - 13:00 Eastern Daylight Time (UTC is 15:30 - 17:00)	13
Energy	13
Fisheries	13
Health	13
Policy Evaluation: Air Pollution	13
Property Values: Renewable Energy Disamenities	14
Recreation and Valuation	14
June 4, 2020 15:00 - 16:30 Eastern Daylight Time (UTC is 19:00 - 20:30)	15



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

Agriculture .....	15
Energy: Renewables.....	15
Policy Impacts .....	15
Property Values: Flood Risk .....	15
Transportation and Travel Demand.....	15
June 4, 2020 17:30 - 19:00 Eastern Daylight Time (UTC is 21:30 - 23:00).....	17
Climate and Social Cost of Carbon.....	17
Developing Countries.....	17
Energy: Renewables.....	17
Environmental Justice.....	17
Policy Modeling.....	17
June 5, 2020 9:00 - 10:30 Eastern Daylight Time (UTC is 13:00 - 14:30).....	19
Air Pollution .....	19
Energy and Markets.....	19
International Environmental Agreements.....	19
Land Conservation .....	19
Climate and Air Quality.....	19
June 5, 2020 11:30 - 13:00 Eastern Daylight Time (UTC is 15:30 - 17:00).....	20
Bioeconomics.....	20
Climate and Space.....	20
Health.....	20
Household Energy Use.....	20
Non-Market Valuation .....	20
Policy Impacts .....	21
Water .....	21
June 5, 2020 15:00 - 16:30 Eastern Daylight Time (UTC is 19:00 - 20:30).....	22
Clear Air Act .....	22
Coastal Risk .....	22
Environment and Development.....	22
Information and Disclosures.....	22
Water .....	22



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

Property and Land Markets .....	23
June 5, 2020 17:30 - 19:00 Eastern Daylight Time (UTC is 21:30 - 23:00) .....	24
Climate and Economy .....	24
Policy Evaluation .....	24



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

June 3, 2020 9:00-10:30 Eastern Daylight Time (UTC is 13:00 - 14:30)

## Air Pollution and Health

- Aerobic Capacity and Pollution at Schools - Michelle Marcus, Vanderbilt University
- Disentangling the Causal Effect of Air Pollutants on Health by Mining a Large Set of Instruments - Milena Suarez Castillo, Insee-CREST
- Feel the Burn: Mental and Behavioral Responses to Air Pollution in China - Tong Liu, Hong Kong University of Science and Technology
- **Pollution and Mortality: Estimating Damages Using Pollutant Specific Abatement Technologies - Casey Rozowski, North Carolina State University**

## Deforestation

- Can Markets Save the Brazilian Forests? - Guilherme Depaula, Iowa State University
- Can Reminders of Forest Use Rules Induce Compliance? Experimental Evidence from Community-Managed Forests - Sabrina Eisenbarth, University of Exeter
- Using Publicly Available Remote Sensing Products to Evaluate REDD+ Projects in Brazil - Gabriela Demarchi, INRAE
- **Agricultural Commodities and Worldwide Deforestation in the Twenty-First Century - Antoine Leblois**

## Energy and Energy Storage

- Empirical Evidence on the Social and Private Impacts of Residential Battery Storage - Yueming "Lucy" Qiu, University of Maryland at College Park
- Estimating Congestion Benefits of Batteries for Unobserved Networks: A Machine Learning Approach - Justin Kirkpatrick, Michigan State University
- Packing Power: Electricity Storage, Renewable Energy, and Market Design - Jackson Dorsey, Indiana University
- **Prosumer Consumption Substitution and Disentangling Uncertainty from Salience - Jacquelyn Pless, Massachusetts Institute of Technology**



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

June 3, 2020 11:30-13:00 Eastern Daylight Time (UTC is 15:30 - 17:00)

## Air Pollution and Health

- Averting Behaviors to Air Pollution: Evidence from Electricity Consumption and Mobile Population Data in Shanghai - Yang Zhou, Princeton University
- The Effect of Early Exposure to Pollution on Later in Life Health Outcomes: Evidence from California - Cornelia Ilin
- What Driving Bans Tell Us About The Long-Lasting Health Effects of Pollution: Evidence from Children's Medical Records - Hannah Klauber
- **Where There's Fire, There's Smoke: The Causal Impact of Indonesia's Forest Fire Emissions on Behavior and Health - Emily Pakhtigian, Duke University**

## Climate: Agriculture

- Climate Adaptation and Innovation: Evidence from the Double-Cropping Boom in Brazil - Guilherme Depaula, Iowa State University
- Estimating the Consequences of Climate Change from Variation in Weather - Derek Lemoine
- The Fingerprint of Anthropogenic Warming on Global Agriculture - Frances Moore, University of California, Davis
- **The Recent Impacts of Anthropogenic Climate Change on Global Agricultural Production - Ariel Ortiz-Bobea, Cornell University**

## Deforestation

- Agriculture and Deforestation - Ryan Abman, San Diego State University
- Democracy and Deforestation: Evidence from Indonesia's Transition to Direct Local Elections - Clark Lundberg, San Diego State University
- Efficient Forestation: Evidence from a Structural Model for The Brazilian Amazon - Rafael Araujo
- **Livelihood Impacts of Conservation Programs for Climate Change Mitigation by International Donors: Evidence from Ghana - Suhyun Jung, West Virginia University**

## Energy

- Cutting Carbon Through Fuel-Switching Due to the EU ETS - Samuel Jovan Okullo, Zhongnan University of Economics and Law
- Drivers of Coal Generator Retirements and Their Impact on the Shifting Electricity Generation Portfolio in the U.S. - Charles Sims
- Heterogenous Response to Fuel-Specific Shocks: How Strategic Withholding Affects the Distribution of Emissions in the Electricity Market - Nicole Mundt, University of Colorado, Boulder
- **The Intensive and Extensive Effects of Tax Holidays - Timothy Fitzgerald, Texas Tech University**

## Transportation

- Colluding Against Environmental Regulation: The Case of German Automakers - Cuicui Chen, Suny Albany
- Evaluating the Effects of Footprint-Based CAFE Standards in the U.S. New Vehicle Market - Hiroshi Matsushima, University of Illinois, Urbana-Champaign
- The Effect of Vehicle Ownership Restrictions on Female Labor Supply - Anthony Liu, Indiana University





# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

- **The Effects of Car Taxes and Revised CO2 Emissions Rate Information in Germany - Anna Alberini, University of Maryland, College Park**



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

June 3, 2020 15:00-16:30 Eastern Daylight Time (UTC is 19:00 - 20:30)

## Climate: Impacts

- Beating the Heat: Temperature and Spatial Reallocation Over the Short and Long-Run - Christos Andreas Makridis, Arizona State University
- Estimating Aggregate Effects of Climate Change in Spatial General Equilibrium - Ivan Rudik, Cornell University
- On Model Selection Criteria for Climate Change Impact Studies - Dalia Ghanem, University of California, Davis
- **Temperature, Humidity, and Human Fertility: Evidence from 58 Developing Countries - Melissa Lopalo, Montana State University**

## Econometrics

- Between Two Worlds: Methodological and Subjective Differences in Climate Impact Meta-Analyses - Peter Harrison Howard, New York University
- Is There a Replicability Crisis on the Horizon for Environmental and Resource Economics? - Paul J. Ferraro, Johns Hopkins University
- Predictive Counterfactuals for Treatment Effect Heterogeneity in Event Studies with Staggered Adoption - Mateus Souza, University of Illinois, Urbana-Champaign
- **Revisiting the Peltzman Effect: Evidence from the U.S. Commercial Motor Vehicle Safety Inspection Program - Yuanning Liang, Cornell University**

## Energy and Climate

- A Bridge Too Far? The Role of Natural Gas Infrastructure in US Climate Policy - Jared Woollacott, RTI International
- Energy Efficiency in General Equilibrium with Input-Output Linkages - Christopher James Blackburn, U.S. Bureau of Economic Analysis
- Have US Fuel Economy and Greenhouse Gas Standards Improved Social Welfare? - Joshua Linn
- **Linking Carbon Markets with Different Initial Conditions - Matt Woerman, University of Massachusetts, Amherst**

## Environmental Justice

- Do Environmental Markets Cause Environmental Injustice? - Danae Hernandez-Cortes, University of California, Santa Barbara
- Job Quality and the Distributional Effects of Environmental Policy - Marc Hafstead, Resources For The Future
- Measuring the Effect of Brownfield Remediation on Displacement in Chicago Neighborhoods - Richard Melstrom, Loyola University Chicago
- **Pollution and Acquisition: The Environmental Justice Effects of Mergers - Irene Jacqz, University of Wisconsin, Madison**

## Trade and Environment

- Achieving Negative Carbon Leakage Through Sectoral Border Adjustment Reductions - Timothy Fitzgerald, Texas Tech University



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

- Exporting Carbon: U.S. Coal Demand, International Leakage, and Implications for Climate Policy - Joshua Blonz, Federal Reserve Board of Governors
- Foreign Production and Environment: Does the Type of FDI Matter? - Meryem Saygili, University of Texas, Tyler
- **Pollution from Consumption, International Trade and Leakage - James "Scott" Holladay**



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

June 4, 2020 9:00-10:30 Eastern Daylight Time (UTC is 13:00 - 14:30)

## Climate: Dynamics

- Are Economists Getting Climate Dynamics Right and Does It Matter? - Simon Dietz, London School of Economics
- Optimal Growth with Intermittent Renewables - Ron Chan, University of Manchester
- Tipping Points in the Climate System and the Economics of Climate Change - Thomas Stoerk, London School of Economics and Political Science
- **Tipping, the Optimal Carbon Price and Weighing Cows, Geoengineering and Coal - Anthony Wiskich, Australian National University**

## Energy: Conservation

- Smart Thermostats, Automation, and Time-Varying Prices - Casey Wichman
- Disaggregate Consumption Feedback and Energy Conservation - Andreas Gerster, University of Mannheim
- Information Campaigns and the Potential of Targeting -- Evidence from Energy Conservation - Mark A. Andor, RWI - Leibniz Institute For Economic Research
- **When Nudges Fail to Scale: Field Experimental Evidence for Energy Consumption Goals - Matthias Rodemeier, University of Muenster**

## Health and Productivity

- The Effect of Deleading Fuel on Birth Outcomes: Evidence from NASCAR - Alicia Marquez, San Diego State Univ
- Lead Exposure and Academic Performance: A Multi-Stage Approach To Address Selection Bias, Measurement Error, And Endogeneity - Heather Klemick, National Center For Environmental Economics, USEPA;
- How Do Fine Particles Affect Birth Outcomes? Evidence from South Korea - Moon Joon Kim, Duke Kunshan University
- The Health Effects of Transboundary Air Pollution: Evidence Using Remote Sensing For Fine Particulates In China And South Korea - Andrew Schreiber, Environmental Protection Agency;
- **Session Chair : Ron Shadbegian, San Diego State**

## Policy Impacts

- Do Environmental Regulations Affect the Decision to Export? - Nouri Najjar, Ivey Business School, University of Western Ontario
- Effects of Market Conditions, Environmental Regulations and Regulatory Uncertainty on Investment and Exit - Wendan Zhang, University of Arizona
- Global Trade Effects of Stricter Environmental Trade Policies in China - Xiting Zhuang, University of Connecticut
- **The Impact of the EU ETS on Productivity and Markups in the German Manufacturing Sector - Beat Hintermann**

## Policy Modeling

- A Subsidy Inversely Related to the Product Price - Takahiko Kiso, University of Aberdeen
- Environmental Taxes in General Equilibrium Under Market Power and Price Discrimination - Daniel H Karney, Ohio University
- Green Finance and Climate Policy - Julien Daubanes, University of Geneva



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

- **Using Carbon Taxes to Meet an Emission Target - Robert "Bobby" Harris, Duke University**

June 4, 2020 11:30 - 13:00 Eastern Daylight Time (UTC is 15:30 - 17:00)

## Energy

- Can Lower Electricity Prices Improve Energy Efficiency? Evidence from Half a Million Indian Plant Observations - Gregor Singer, UC San Diego
- Management Practices and Energy Efficiency in Industrial Firms: Experimental Evidence from China - Valerie Jean Karplus, Massachusetts Institute of Technology
- US Carbon Pricing and Coal Power Plant Productivity - Megan Bailey, Harvard Kennedy School
- Transmission Constraints and Electricity Trade in India - Louis Preonas, University of Maryland at College Park

## Fisheries

- Public Preference Toward Alternative Fishery Regulations: Evidence from Tautaug Anglers at Long Island Sound - Zhenshan Chen, University of Connecticut
- Second-Best Solutions to the Commons: Gains from Individual Fishing Quotas in Norwegian Coastal Groundfish Fisheries - Yaqin Liu, Duke University
- Stability of Regional Fisheries Management Organizations Under Stochastic Growth - Bruno Nkuiya, University of Alberta
- **Using a Fixed Supply Auction to Mitigate the Cost Externality in a Common-Pool Resource Market - Hao Zhao, Chapman University**

## Health

- Biomass Fires, Air Pollution, and Infant Mortality in Africa - Hemant Kumar Pullabhotla, Stanford University
- Identifying the Impact of Coal Burning on Exposure to Fine Particulate Matter: Evidence from India - Kanishka Kacker, Indian Statistical Institute
- The Impact of Industrial Pollution on Hospital Admissions: Evidence from a Cement Plant in Russia - Mariia Murasheva, Nova School of Business and Economics
- **Why are Pollution Damages Lower in Developed Countries? Insights from High-Income, High-Pollution Hong Kong - Jay Shimshack, University of Virginia**

## Policy Evaluation: Air Pollution

- Brown(Er) Skies After Blue Skies Days? Unintended Consequences of Short-Term Bans on Air Quality in China - Antonio Bento, University of Southern California
- Congestion, Restriction and Pollution - Haoqi Qian, Fudan University
- Earth, Wind, and Fire: The Impact of Anti-Poverty Efforts on Indian Agriculture and Air Pollution - Arnold Patrick Behrer, Harvard University
- **The Effect of Carbon Policy on the Emissions Implications of Electric Vehicles - Stephanie Weber, Yale University**



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

## Property Values: Renewable Energy Disamenities

- Solar Farms and Residential Property Values in North Carolina - Nino Abashidze, Georgia Institute of Technology
- The Disamenity Impact of Anaerobic Digestion - Allan Beltram
- The Impact of Utility-Scale Solar Installations on Housing Prices - Vasundhara Gaur, University of Rhode Island
- **The Disamenity Impact of Solar Farms: A Hedonic Analysis - David James Maddison, University of Birmingham**

## Recreation and Valuation

- Estimating Habitual and Variety-Seeking Behavior: Non-Market Valuation of Recreational Birdwatching - Todd Guilfoos, University of Rhode Island
- Estimating Preservation Values for Brown Bears in Katmai National Park: When the Marginal Value of an Individual Matters - Leslie Richardson
- Integrating Spatial Decision-Making Into Assessments of Welfare Using Geographic Information Systems - Stephanie Ann Brockmann, University of New Hampshire
- **Wildfire Threatens Outdoor Recreation in the Western US - Matthew Wibbenmeyer, Resources For The Future**



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

June 4, 2020 15:00 - 16:30 Eastern Daylight Time (UTC is 19:00 - 20:30)

## Agriculture

- Heterogeneous Adaptations to Climate Change: Evidence from Cattle Production in the Brazilian Amazon - Marin Elisabeth Skidmore, University of Wisconsin, Madison
- Incorporating Large-Scale Double-Cropping into the Identification of Agricultural Supply Elasticities: Implications for Biofuel and Conservation Policies - Behzad Jeddi, Iowa State University
- Landscape-Level Pest Control Externalities When Consumer Preferences are Non-Neutral - Michael Jones, North Carolina State University
- **Tradeoffs Between On-Farm Food Safety and Environmental Conservation for U.S. Produce Growers - Aaron A. Adalja, Cornell University**

## Energy: Renewables

- Learning by Regulating: The Evolution of Wind Energy Zoning Laws - Justin B. Winikoff, University of Wisconsin, Madison
- Policy Uncertainty and Investment in Wind Energy - Sarah Johnston, University of Wisconsin, Madison
- Residential Solar Panels Adoption: Peer Effects and Equilibrium Behavior - Jixuan Yao, Purdue University
- **Risk and Time Preferences and Own Versus Lease Decisions in The Solar Market - Christine L Crago, University of Massachusetts, Amherst**

## Policy Impacts

- Firm Behavior Under Unanticipated Change in Regulation: Power Plant Emissions During the 2018-2019 Federal Government Shutdown - Huan Li
- Heterogeneous Responses to Carbon Pricing: Firm-Level Evidence from Beijing Emissions Trading Scheme - Ruijie Tian
- Leaky Carbon Fuel Standard? Understanding Carbon Leakage and Other Consequences from State Low Carbon Fuel Standards - Daniel Mazzone, University of California, Davis
- **Trade Liberalization, Technology Upgrading, and Environmental Outcomes: Evidence from China's Accession to the WTO - Mengdi Liu, University of International Business and Economics**

## Property Values: Flood Risk

- Do NFIP Subsidies Matter to Homebuyers? Evidence from Nationwide Housing Sales - Will C Georgic, Kalamazoo College
- Flood Risk Perception and Property Markets - Analysis of Spatially Refined Flooding Estimates and Housing Price Elasticities - Julian Plough, University of Texas, Austin
- How Does the Coastal Housing Market View Flood Zone - A Risk Signal or Mandatory Costs? - Zhenshan Chen, University of Connecticut
- **Pricing Weather-Related Risk into the Housing Market: The Florida Keys as a Prelude to the Future? - Adam Pollack, Boston University**

## Transportation and Travel Demand

- Do Car Buyers Undervalue Future Fuel Savings? Post-Purchase Evidence - Lutz Sager, Georgetown University



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

- Evaluating the Social Cost of Flood Delays on Travel Demand in Sao Paulo - Amanda Ang, University of Southern California
- The Time-of-Day Travel Demand Elasticity Paradox - Cody Nehiba, Louisiana State University
- **The Value of Time in Intercity Travel: Evidence from Carpooling Choices - Nicolas Astier, Stanford University**





# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

June 4, 2020 17:30 - 19:00 Eastern Daylight Time (UTC is 21:30 - 23:00)

## Climate and Social Cost of Carbon

- Beyond Aggregated Damage Functions in an Integrated Assessment Model - Koji Tokimatsu, Tokyo Institute of Technology
- Climate Change, Animal Agriculture, and the Social Cost of Meat - Jonathan Mcfadden, University of Oklahoma
- Option Value and the Social Cost of Carbon: What are We Waiting For? - Peter Harrison Howard, New York University
- **Use and Non-Use Values of Nature and the Social Cost of Carbon - Frances Moore, University of California**

## Developing Countries

- Are Credit Constraints Limiting Demand for Electricity Among Rural Consumers? Evidence from Rwanda - Megan Lang, University of California, Berkeley
- Estimating the Household's Preference and Spatial Dependence for a Solid Waste Management System in Nepal; A Choice Experiment Approach - Mohammad Mashiur Rahman, University of New Mexico
- Face-to-Face Communication On Take-Up of Paid Sanitation Services: Experimental Evidence from Indonesia - Hide-Fumi Yokoo, Hitotsubashi University
- **Gendered Demand for Modern Cookstoves in the Presence of Environmental Health Complementarities - Krishnapriya Parameswaran Perumbillissery, Duke University**

## Energy: Renewables

- Decreasing Substitutability Between Clean and Dirty Energy - Anthony Wiskich, Australian National University
- Industry Compliance Costs Under the Renewable Fuel Standard: Evidence from Compliance Credits - Arthur R. Wardle, University of California, Berkeley
- Intermittent Renewable Energy, Hydropower Dynamics and The Profitability of Storage Arbitrage - Miguel Castro, Inter-American Development Bank
- **The Cost of Debt of Renewables Versus Fossil Fuels: Evidence from Energy Firms - Karol Kempa, Frankfurt School of Finance & Management**

## Environmental Justice

- California's GHG Trading Program and the Equity of Air Toxic Emissions Exposure - Glenn Sheriff, Arizona State University
- Environmental Justice for Seniors: Evidence from Medicare Records - Sophie Mathes
- Inequality, Information Failures, and Air Pollution - Samuel Stolper, University of Michigan
- Updating our Understanding of Equity, Exposure, and Access: Using Cellphone Movement Data to Reduce Measurement Error and Bias - Edward Rubin, University of Oregon
- **Session Chair: Nick Kuminoff, Arizona State University**

## Policy Modeling

- Decentralized Policymaking When States Can Form Coalitions: How Does California's Waiver Authority Affect Environmental Outcomes? - Joel Landry, Pennsylvania State University



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

- Picking Winners: When are Technology-Specific Policies Optimal? - Sean James Ericson, University of Colorado, Boulder
- Optimal Climate Policy with Directed Technical Change: The Importance of Extensive Margins - Anthony Wiskich, Australian National University
- **Cap-and-Trade with Sunk Abatement Costs - Kristen McCormack**



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

June 5, 2020 9:00 - 10:30 Eastern Daylight Time (UTC is 13:00 - 14:30)

## Air Pollution

- Air Pollution Impacts of Shale Gas Development in Pennsylvania - Ruohao Zhang, Binghamton University
- Does Energy Storage Reduce Emissions? - Justin Kirkpatrick, Michigan State University
- The Effect of Power Plant Closure on Local Air Quality - Jason P. Brown, Federal Reserve Bank of Kansas City
- **Timing Matters: Shifting Economic Activity and Intra-Day Variation in Ambient Ozone Concentrations - David Adler, Carnegie Mellon University**

## Energy and Markets

- Isolating the Impacts of the Shale Revolution on the U.S. Energy Mix: Evidence from the Natural Gas Pipeline Network - Matt Butner, New York University
- Market Power and Allocative Efficiency in Deregulated Petroleum Pipeline Markets - Anna Christine Terkelsen, Michigan State University
- Spatial Competition and Retail Pricing in the Newly Deregulated Mexican Gasoline Market - Shaun Mcrae, ITAM
- **Strategic Behavior in Cost-Based Wholesale Electricity Markets - José Eguiguren-Cosmelli, University of Maryland, College Park**

## International Environmental Agreements

- Financial Transfers and Climate Cooperation - Suzi Kerr, Environmental Defense Fund
- International Environmental Agreement and Trade in Environmental Goods: The Case of Kyoto Protocol - Trang Tran, Deakin University
- Patents as Options and International Environmental Agreements: Disentangling the Impact of Regulation on Technological Obsolescence - Albert Roger, ZEW - Leibniz Centre for European Economic Research
- **When Establishing a Common Environmental Project, Countries That Benefit Less May Need to Contribute More - Adam Lampert, Arizona State University**

## Land Conservation

- Environmental Recovery After the Dust Bowl: Implication of Land Conservation Programs in the Great Plains - Aparna Howlader, Princeton University
- Grassland Easement Acquisition: Conversion Hazard Rate, Additionality, and Spatial Spillover - Ruiqing Miao, Auburn University
- **Understanding the Formation of Local Environmental Institutions: Historical Evidence from the Timing of the Conservation Districts - Aparna Howlader, Princeton University**

## Climate and Air Quality

- Effect of Border Policy on Exposure and Vulnerability to Climate Change - H el ene Benveniste, Princeton University
- Status Quo Bias and Public Policy: Evidence in the Context of Carbon Mitigation - Michael J. Weir, University of Rhode Island
- Electrification and Cooking Fuel Choice in Rural India - Ridhima Gupta, South Asian University
- **Lowering the Bar: The Economics of Air Quality Standards - Sandra Aguilar-Gomez, Columbia University**



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

June 5, 2020 11:30 - 13:00 Eastern Daylight Time (UTC is 15:30 - 17:00)

## Bioeconomics

- Balancing Conservation and Commerce - Pierce Donovan, University of California, Davis
- Bioeconomic Simulation of Black Pearl Production in French Polynesia Under Increasing Seawater Temperatures - Jana Renee Hilsenroth, University of Florida
- Modeling Ecosystem Service Conflicts in China's Lake Poyang - Xiurou Wu, University of California, Davis
- **The Spatial Dynamics of Renewable Resource Use - Sunny Lynn Jardine, University of Washington**

## Climate and Space

- Conditional Value at Risk for Decision-Making Under Uncertainty - Margaret Insley, University of Waterloo
- Economic Growth Uncertainty Increases the Social Cost of Carbon - Brian Prest, Resources For The Future
- Economic Principles of Space Traffic Control - Akhil Rao, Middlebury College
- **Rethinking Weitzman's Gamma Discounting in a Dynamic Heterogeneous Big Data World: Implications for Environmental and Climate Policy - Justin Johnson Kakeu, University of Prince Edward Island**

## Health

- Does Access to Health Care Mitigate Environmental Health Damages? - Corey White, Cal Poly, San Luis Obispo
- Influenza Pandemics, Air Pollution, and the Introduction of Medicaid - Edson Severnini, Carnegie Mellon University
- Noise Pollution and Violent Crime - Timo Hener, Aarhus University
- **Who Bears the Damages from Air Pollution's Effect on Dementia? - Kelly Bishop, Arizona State University**

## Household Energy Use

- Beliefs, Preferences, and Energy Use: Evidence from Qatar - Anomitra Chatterjee
- Household Preferences for Load Restrictions -- Is There an Effect of Pro-Environmental Framing? - Lars Persson, Umeå School of Business, Economics and Statistics
- Long-Term Temperature Effects on Household Electricity and Natural Gas Uses: Evidence from US Northwest Region - Hongliang Zhang, University of Neuchâtel
- **The Remarkably Inelastic Demand for Home Energy Services: A Choice Experiment - Dylan Brewer, Georgia Institute of Technology**

## Non-Market Valuation

- On The Validity of the Estimates of the VSL from Contingent Valuation: Evidence from the Czech Republic - Anna Alberini, University of Maryland, College Park
- The Impact of Harmful Algal Blooms on Housing Prices: A Nationwide Hedonic Study - Jiarui Zhang, University of Wisconsin, Madison
- The Long- and Short-Run Value of Water Quality for Recreational Anglers - Michael Alexander Black, Texas A&M University
- **When Should Meta-Analysis Be Used for Benefit Transfer? Predicting Reliability Across Heterogeneous Policy Sites - Robert Johnston, Clark University**



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

## Policy Impacts

- Can Output Increase with Abatement? Input, Technology and Management Choices - Donna Ramirez Harrington, University of Vermont
- Environmental Investment Tax Incentives. How Do Firms Respond? - Kinga Barbara Tchorzewska, University of Barcelona
- The Importance of Consumer Demand in Evaluating Economy-Wide Impacts of Environmental Regulation - Ensieh Shojaeddini, Environmental Protection Agency
- **The Impact of EPA's Cluster Rule on Plant-Level Productivity - Yue Gao, Clark University**

## Water

- How Do Social and Environmental Conditions Interact to Determine Water Delivery? Evidence from Community Water Organizations in Guatemala, Nicaragua and Costa Rica - Roger Madrigal
- Valuing Water Quality with Adaptation: Evidence from A Natural Experiment In Jordan - Seth Morgan, Duke University
- Revealing the Value of Natural Insurance: Groundwater Stocks and Insurance Tradeoffs over the Ogallala - Mathew Sloggy, Colorado State
- **Water Market Dynamics in The Presence of Environmental Variability - Andrew Barrington Ayres, Public Policy Institute of California**



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

June 5, 2020 15:00 - 16:30 Eastern Daylight Time (UTC is 19:00 - 20:30)

## Clear Air Act

- The Clean Air After 50 Years - Ann Wolverton
- What Do Economists Have to Say About the Clean Air Act 50 Years After the Establishment of the Environmental Protection Agency? - Janet Currie, Princeton University
- **Looking Back at 50 Years of the Clean Air Act: What Have We Learned About Environmental Regulation? - Maureen Cropper**

## Coastal Risk

- Adaptation Infrastructure and Climate Impacts - David Kelly
- Disaster-Driven Adaptation in the Insurance Market: The Case of Hurricane Sandy - Hannah Blau Hennighausen, University of Graz
- How Do Risk Perceptions Change After a Disaster? Evidence from a Survey of Hurricane-Prone Counties - Timothy Hyde, Carnegie Mellon University
- **Flood Hazard Mitigation and the Role of Government: A Dynamic Model of Local Government Investment in a Public Good - Caroline A. Hopkins, Carnegie Mellon University**

## Environment and Development

- Beyond Lights: The Changing Impact of Rural Electrification In Indian Agriculture - Sudatta Ray, Stanford University
- Evaluating Electric Stoves as a Solution for Household Air Pollution in the World's Most Polluted Region - Rob Fetter, Duke University
- How Valuable are Improvements in Residential Electricity Supply? Evidence from Nepal - Jevgenijs Steinbuks, World Bank
- **Peer X Price Effects on the Demand for Environmental Health Technologies: Lessons from a Two-Level Clean Cook Stove Experiment in Northern Ghana - Zachary Brown, North Carolina State University**

## Information and Disclosures

- Air Quality Alerts and Transportation Choice: Investigating the Effectiveness of a Particulate Matter Alert System - Alexander Dangel, Heidelberg University
- Are Eco-Labels Performing as Catalysts or Barriers to Global Seafood Trade? Evidence from a Product-Level Gravity Model - Oscar Melo, Pontificia Universidad Catolica De Chile
- Do Businesses That Participate in Voluntary Carbon Disclosure Emit Less Carbon? Linking Carbon Disclosure Quality and Carbon Emissions for S&P 500 Firms - Lily Hsueh, Arizona State University
- **The Welfare Consequences of Disclosures of Chemicals in Consumer Products: Evidence from Bisphenol A (BPA) - Xibo Wan, Iowa State University**

## Water

- Can the Content of Information Campaigns Influence the Persistence of Treatment Effects? - Corey J Lott, Laurits R. Christensen Associates



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

- Instrumenting for Enforcement Instruments: The Effect of Inspections on Ambient Pollution Levels Within the Context of Clean Water Act Permit Regulations - Tihitina Tesfaye Andarge, University Of Maryland, College Park
- Strategic Non-Reporting Under the Clean Water Act - Daniel Stuart, Harvard University
- **The Effect of Professional Peer Comparisons on Environmental Management: A Field Experiment - Dietrich Earnhart, University of Kansas**

## Property and Land Markets

- The Price of Indoor Air Pollution: Evidence from Radon Maps and the Housing Market - Sefi Roth, London School of Economics
- Economic Incentives for Land Reclamation: Evidence from the Oilsands Industry in Alberta – Zhanji Zhang
- **The Health and Housing Impacts of Resource Conservation and Recovery Act Cleanups - Alecia Cassidy, University of Alabama**



# Association of Environmental and Resource Economists

2020 Virtual Conference | June 3-5, 2020 | #AEREVirtual2020

June 5, 2020 17:30 - 19:00 Eastern Daylight Time (UTC is 21:30 - 23:00)

## Climate and Economy

- Air Pollution Quotas and the Dynamics of Internal Skilled Migration in Chinese Cities - Bo Yu, Deakin University
- **Can You Feel the Heat? Extreme Temperatures, Stock Returns, and Economic Sentiment - Christos Andreas Makridis, Arizona State University**
- Labor Market Frictions and Adaptation to Climate Change - Nora M.C. Pankratz, University Of California, Los Angeles
- Historical Migration and Temperature in The United States - Patrick Baylis, University of British Columbia

## Policy Evaluation

- Does the Environment Matter at the Ballot Box? Persuasive Effects of a New Externality from Fracking - Judson Boomhower, University of California, San Diego
- Is the Willingness to Pay for Plastic Bags Low? Evidence from a Private Pricing Initiative - Marcelo Federico Caffera, University of Montevideo
- Polluting Public Funds: The Effect of Environmental Regulations on Municipal Bonds - Akshaya Jha, Carnegie Mellon University
- **The Economic Cost of Populism in Developing Countries: Evidence from 'Gas Price Holidays' in Brazil - Antonio Bento, University of Southern California**