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Current Appointments:

Associate Professor, Department of Economics, University of Arizona, 2021-present
Research Associate, National Bureau of Economic Research, 2021-present

Past Appointments

Visiting Scholar, Columbia Business School, Spring 2022
Assistant Professor, Department of Economics, University of Arizona, 2013-2021
Faculty Research Fellow, National Bureau of Economic Research, 2020-2021
Adjunct Research Scientist, Ford School of Public Policy, University of Michigan,
2013-2016
Visiting Scholar, Energy Policy Institute of Chicago, University of Chicago, Fall 2013
Visiting Assistant Professor, Department of Economics, University of Arizona, 2012-2013
Assistant Professor, Ford School of Public Policy and Department of Economics,
University of Michigan, 2010- 2013

Degrees:

Ph.D. University of California, Berkeley, Economics, 2010
B.A. Northwestern University, Mathematical Methods in the Social Sciences and
Economics, 2002

Publications:

“Designing Dynamic Subsidies to Spur Adoption of New Technologies” (with Derek Lemoine)
Journal of the Association of Environmental and Resource Economists, 9(6),
November, 2022 (Winner of Ralph C. d’Arge and Allen V. Kneese Award for Outstanding
Publication in the *Journal of the Association of Environmental and Resource Economists*)
“Escalation of Scrutiny: The Gains from Dynamic Enforcement of Environmental Regulations”
(with Wesley Blundell and Gautam Gowrisankaran) *American Economic Review*, 110(8),
August 2020, 2558-85
“From Gallons to Miles: A Disaggregate Analysis of Automobile Travel and Externality Taxes”
(with Vikram Maheshri and Clifford Winston) *Journal of Public Economics*, 152, August
2017
“The Intergenerational Transmission of Automobile Brand Preferences” (with Soren Anderson,
Ryan Kellogg, and James Sallee) *Journal of Industrial Economics*, 63(4), December 2015
“Automakers’ Short-Run Responses to Changing Gasoline Prices”
(with Nathan Miller), *Review of Economics and Statistics* 95(4), October 2013
“Toward A Comprehensive Assessment of Road Pricing Accounting for Land Use”
(with Clifford Winston) *Brookings-Wharton Papers on Urban Affairs*, 2008
“The Effect of Government Highway Spending on Road Users’ Congestion Costs”
(with Clifford Winston) *Journal of Urban Economics* 60(3), 2006

Working Papers and Work in Progress:

- “Fueling Alternatives: Gas Station Choice and the Implications for Electric Charging” (with Jackson Dorsey and Shaun McRae) *Revisions requested at American Economic Journal: Economic Policy*
- “Policy Uncertainty in the Market for Coal Electricity: The Case of Air Toxics Standards” (with Gautam Gowrisankaran and Wendan Zhang) *Submitted*
- “What Were the Odds? Estimating the Market’s Probability of Uncertain Events” (with Derek Lemoine)
- “Energy Transitions in Regulated Markets” (with Gautam Gowrisankaran and Mar Reguant)
- “Ramping Costs and Coal Generator Exit” (with Miguel Borrero and Gautam Gowrisankaran)
- “Regulating Power Plant Emissions: Environmental Justice, Enforcement, and Regulator Preferences” (with Gautam Gowrisankaran and Konan Hara)

Teaching:

- Dynamic Oligopoly in Environmental Economics (DSE Conference)
- Business Strategy, University of Arizona (MBA)
- Economics of Discrimination Reading Group
- Empirical Environmental Economics, University of Arizona (PhD)
- Environmental Economics, University of Arizona (Undergraduate)
- Honors Principles of Economics, University of Arizona (Undergraduate)
- Government Regulation of Industry and the Environment, University of Michigan (Masters in Public Policy)
- Energy and Environmental Policy, University of Michigan (Undergraduate)
- Microeconomics B: Cost-Benefit Analysis in Depth, University of Michigan (Masters in Public Policy)

Fellowships and Awards:

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| 2022 | National Science Foundation Grant for “Regulating Electricity Markets: Impacts on Energy Transitions and Environmental Justice”
(PI grant of \$257,455, Co-PI Gautam Gowrisankaran) |
| 2021 | Eller College Outstanding Economics Instructor Award |
| 2019 | Sloan Foundation Grant for “Economics of Innovation in the Energy Sector”
(With David Popp and NBER, \$399,895) |
| | Eller Dean’s Research Award for Assistant Professors |
| 2018 | NBER Economics of Energy Use in Transportation Grant
(With Shaun McRae, \$15,000) |
| | Kalt Prize for best graduate student placement in the Eller Business School
(Jackson Dorsey, Kelley Business School at Indiana University) |
| 2017 | Center for Management Innovations in Health Care
(With Derek Lemoine, \$3,900) |
| | Eller Small Grant (With Derek Lemoine, \$2,500) |
| 2016 | Institute of the Environment Program Development Grant
(With Derek Lemoine, \$15,000) |
| 2015-2016 | Eller Small Grant (With Derek Lemoine, \$2,500) |
| 2014-2016 | University of Arizona Renewable Energy Network Grant
(With Derek Lemoine, \$15,000 each year) |
| 2013-2014 | University of Arizona Renewable Energy Network Grant (\$15,000) |
| 2011,2012 | Faculty Teaching Honor Roll for Microeconomics B (twice), Energy Policy, and Government Regulation of Industry and the Environment |

2009-2010 Association of American University Women Dissertation Fellowship
 2008 U.C. Berkeley Dean's Normative Time Fellowship
 2007-2008 Outstanding Graduate Student Instructor Award

Research Presentations (includes scheduled):

2024: Norwegian School of Economics
 2023: NBER IO Winter Meeting, NBER Economic Analysis of Regulation, University of Oregon, Arizona State University Empirical Microeconomic Conference, UC Davis, MIT CEEPR Research Workshop, Texas A&M IO Day, Georgia Tech
 2022: Allied Social Science Association Conference, Cornell University (Applied Economics), Oxford University, Columbia University (Economics, Business, SIPA, CGEP), Decarbonization Seminar (Mannheim), University of Maryland (AREC), Resources for the Future, Environmental Protection Agency, Cowles Foundation Conference on Models and Measurement, Claremont McKenna, Stanford University, University of Toronto, Econometric Society Dynamic Structural Econometrics Conference (Australian National University)
 2021: Allied Social Science Association Conference, University of Georgia, University of Albany, ZEW Mannheim Energy Conference, NBER Distributional Consequences of New Energy Technologies, University of Colorado
 2020: Allied Social Science Association Conference, University of Arizona Quant Law Conference, Booth, Wharton, ETH/ZEW/CMCC/Grenoble Ecole de Management
 2019: NBER Future of Energy Use in Transportation, Yale University Economics/SOM, University of Chicago (EPIC), NBER EEE Summer Institute, University of California Berkeley, University of Virginia Law School, National University Singapore, Jinan University, Triangle Resource and Environmental Economics Seminar, University of Calgary, University of California, San Diego
 2018: Arizona State University, NBER Future of Energy Use in Transportation, University of Nevada, Reno, Cowles Foundation Conference on Structural Microeconomics, NBER Industrial Organization Summer Institute, NBER Environmental and Energy Economics Summer Institute, University of Maryland Environmental Tax Workshop, Georgetown University, Santa Barbara Occasional Workshop in Environmental Economics, Yale University School of Forestry and Environmental Studies
 2017: Stanford Institute for Theoretical Economics Conference, NBER Environmental and Energy Economics Summer Institute, MIT CEEPR Workshop
 2016: POWER Conference, IIOC Conference, AERE Annual Conference, Heartland Conference, University of Michigan Conference on Transportation, Energy, Economics and the Environment
 2014: University of Colorado Boulder Environmental and Resource Economics Workshop, University of California, Davis, University of Michigan Conference on Transportation, Energy, Economics and the Environment
 2013: Northeast Workshop on Energy Policy and Environmental Economics, American Environmental and Resource Economists (AERE) Annual Conference, NBER Summer Institute in Industrial Organization, Quantitative Marketing and Economics Conference, University of Chicago (Harris)
 2012: American Economic Association Annual Conference, University of Arizona, University of British Columbia, Copenhagen Business School
 2011: International Industrial Organization Conference, Midwest Bioenergy Conference, University of Chicago (Harris School), UC Berkeley (Energy Institute), Carnegie Mellon University (Heinz School)

- 2010: Arizona State University, Columbia University, Michigan State University, Ohio State University, Stanford University, Tufts University, University of British Columbia, University of Maryland (Agricultural and Resource Economics), University of Michigan (Economics, Erb Institute, and Public Policy), University of Toronto, University of Wisconsin (Economics and Agricultural and Applied Econ.)
- 2009: Collegio Carlo Alberto (MOOD Conference), San Francisco Federal Reserve, University of California, Berkeley (Economics, Business, and Public Policy)

External Service:

- 2022- Associate Editor, International Journal of Industrial Organization
- 2021- Editorial Council, Journal of Environmental Economics and Management
- 2021 Co-Organizer, 15th North American Meeting of the Urban Economics Association
- 2021 Presentation to Congressional Budget Office (“Recent Research on the Economics of Discrimination”)
- 2015-2022 Program Committee for the Summer Conference of the Association of Environmental and Resource Economists

Graduate Advising (all UA):

Abbie Boatwright (chair), Yun-Ting Yeh (chair), Robert Baluja (chair), Wint Thu, Konan Hara (chair), Austin Drukker (chair), EK Green, Yujia Peng (chair), Paul Fisher (chair), Yuge Hao, Wei Zhou, Chase Eck (chair), Wendan Zhang (chair), Timothy Roberson (chair), Phuong Ho (co-chair), Arundhati Tillu, Jackson Dorsey (chair), SangUk Nam, Keith Meyers, Wesley Blundell (co-chair), Anatolii Kokoza, Kyle Wilson, Ahmad Mohassel (chair), Cong Liu, Charles He, Alex Hollingsworth, Michael Matheis, Soudeh Mirghasemi, Hoa Nguyen, Thiagarajah Subramaniam, Leila Asgari