

## **SAMUEL STOLPER**

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### **ACADEMIC POSITIONS**

2017- Assistant Professor, University of Michigan, School for Environment and Sustainability  
2019- Faculty Affiliate, University of Michigan Energy Institute  
2017- External Faculty Affiliate, MIT Center for Energy and Environmental Policy Research  
2016-2017 Postdoctoral Fellow, MIT, Department of Economics and Center for Energy and Environmental Policy Research

### **EDUCATION**

2010-2016 Ph.D. in Public Policy, Harvard University  
2002-2006 B.Sc. in Biomedical Engineering (with honors), Brown University

### **TEACHING EXPERIENCE**

2018- Climate Economics and Policy, University of Michigan (master)  
2018- Economics and Environmental Justice, University of Michigan (master)  
2018- Environmental Economics, Policy, and Justice, University of Michigan (undergraduate)  
2017 Environmental Policy and Economics, MIT Dept. of Economics (undergraduate)  
2014 Economics of Climate Change, Harvard Dept. of Economics (undergraduate)  
2014 Economic Analysis of Public Policy, Harvard Kennedy School (master), (TF)

### **PEER-REVIEWED PUBLICATIONS**

Knittel, Christopher and Samuel Stolper (2021). “Machine Learning about Treatment Effect Heterogeneity: The Case of Household Energy Use.” *American Economic Association Papers and Proceedings* 111: 440-444.

Taeibat, Morteza, Samuel Stolper, and Ming Xu (2019). “Forecasting the Impact of Connected and Automated Vehicles on Energy Use: A Microeconomic Study of Induced Travel and Energy Rebound”. *Applied Energy* 247: 297-308.

Do, Quy-Toan, Shareen Joshi, and Samuel Stolper (2018). “Can Environmental Policy Reduce Infant Mortality? Evidence from the Ganga Pollution Cases”. *Journal of Development Economics* 133: 306-325.

### **WORKING PAPERS**

“Inequality, Information Failures, and Air Pollution”, joint with Catie Hausman. National Bureau of Economic Research Working Paper 26682 (January 2021). *Revisions requested*.

“Using Machine Learning to Target Treatment: The Case of Household Energy Use”, joint with Christopher Knittel. National Bureau of Economic Research Working Paper 26531 (December 2019). *Under review*.

“Local Pass-Through and the Regressivity of Taxes: Evidence from Automotive Fuel Markets.”

- Working paper under the title “Who Bears the Burden of Energy Taxes? The Role of Local Pass-Through”. Harvard Environmental Economics Program Discussion Paper 16-7 (May 2016).

## **WORKS IN PROGRESS**

“Addressing systemic racism in environmental and resource economics” (with Sarah Jacobson, Amy Ando, Titus Awokuse, Nathan Chan, Jimena González-Ramírez, Matthew Interis, and Dale Manning).

“Pass-Through of Firm-Specific Cost Shocks: Evidence from Spanish Gas Stations” (with Richard Sweeney).

"Water Affordability in Detroit: A Comparison of Alternative Rate Structures" (with Noah Attal).

“The Health Impact of Water Shutoffs in Detroit, Michigan” (with Noah Attal and Yulya Truskinovsky).

“Harnessing the Flexibility of Carbon Neutrality Goals to Promote Climate Ambition, Knowledge Transfer, and Justice” (with Michael Moore and Timothy Arvan). *Under review*.

“Widespread Range Suitability and Cost Competitiveness of Electric Vehicles for Ride-hailing Drivers (with Morteza Taiebat and Ming Xu). *Under review*.

“Ride-Sharing Incentives to Reduce Externalities From Energy Use” (with Morteza Taiebat and Ming Xu).

## **REPORTS**

Moore, Michael, Samuel Stolper, Timothy Arvan, and Benjamin Rego. “An Economic Perspective on Carbon Neutrality at the University of Michigan.” Latest version: April 5<sup>th</sup>, 2020.

## **PROFESSIONAL SERVICE**

2021- Member, Council on Climate Solutions for the State of Michigan  
2018- Member, UM SEAS Diversity, Equity, and Inclusion Committee  
2018- SEAS Liaison, UM Liaisons for Inclusive Teaching  
2015- Referee for: Journal of Political Economy; American Economic Review: Insights; Review of Economics and Statistics; American Economic Journal: Applied Economics; Journal of Public Economics; Journal of Health Economics; Journal of Environmental Economics and Management; Energy Economics; Risk Analysis; Environment and Development Economics; Water and Resource Economics; Economic Modelling; Nature Communications; Transportation Research Part C; Journal of Cleaner Production

## **INVITED PRESENTATIONS**

2021 Midwest Energy Fest; Allied Social Sciences Association Annual Conference; Western Economic Association International Annual Conference; University of Michigan Voices for Carbon Neutrality

2020	Association for Environmental and Resource Economists Conference; POWER Conference at UC-Berkeley; People's Water Board, Detroit
2019	MIT Center for Energy and Environmental Policy Research, Heartland Environmental and Resource Economics Workshop, Harvard Environmental Economics Program Research Workshop, UM/MSU/CMU Energy and Environmental Economics Workshop, NBER Conference on the Economics of Energy Use in Transportation, New Horizons in Conservation Conference, Yale University, The Workshop on Environmental Economics and Data Science
2018	National Tax Association Annual Conference, MIT Center for Energy and Environ. Policy Research, Northwestern, National Bureau of Economic Research, Just Transitions Conf.
2017	University of Michigan, Heartland Environmental and Resource Economics Workshop, International Institute for Public Finance Conference, Association for Environmental and Resource Economists Conference
2016	University of Michigan, MIT, National Tax Association, Seoul National University, London School of Economics, Resources for the Future, Congressional Budget Office, Analysis Group, The Brattle Group, Institute for Policy Integrity, Suffolk University
2015	Harvard Kennedy School, Environmental Defense Fund, National Commission on Markets and Competition (Madrid, Spain), Seoul National University
2014	International Growth Centre (Delhi, India)

#### **HONORS, GRANTS**

2021	UM SEAS Superior Teaching Award (one faculty per year)
2020	Poverty Solutions at the University of Michigan, Detroit Project Development Grant (\$17,444)
2018	National Bureau of Economic Research Grant, Economics of Energy Use in Transportation (\$12,000)
2017	Young Economists Prize, International Institute for Public Finance
2016	Enel Endowment Prize for Best Doctoral Research Paper, Harvard University
2013	International Growth Centre Research Grant, International Growth Centre