

## **Ashley Langer**

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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  
Co-Director, Consortium for Environmentally Resilient Business, 2024-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:**

- “Policy Uncertainty in the Market for Coal Electricity: The Case of Air Toxics Standards”  
(with Gautam Gowrisankaran and Wendan Zhang) Accepted at the  
*Journal of Political Economy*
- “Fueling Alternatives: Gas Station Choice and the Implications for Electric Charging” (with Jackson Dorsey and Shaun McRae) *American Economic Journal: Economic Policy* 17 (1), February 2025, 362-400
- “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
- “From Gallons to Miles: A Disaggregate Analysis of Automobile Travel and Externality Taxes” (with Vikram Maheshri and Clifford Winston) *Journal of Public Economics*, v. 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:**

- “Energy Transitions in Regulated Markets” (with Gautam Gowrisankaran and Mar Reguant)  
*Revise and Resubmit at the American Economic Review*
- “What Were the Odds? Estimating the Market’s Probability of Uncertain Events”  
 (with Derek Lemoine)
- “PFAS in Drinking Water Wells Harm Birth Outcomes” (with Robert Baluja, Bo Guo, Wesley Howden, and Derek Lemoine) *Under review at a journal with prepublication distribution restrictions*
- “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: Econometrics Society Summer School  
 in Structural Econometrics, December, 2022
- Advisor, Women in Economics Club, 2022-present
- Business Strategy (MBA), 2021-present
- Economics of Discrimination Reading Group, Fall 2020
- Empirical Environmental and Energy Economics (PhD), 2012-present
- Environmental Economics (Undergraduate), 2013-2021
- Honors Principles of Economics (Undergraduate), 2013-
- Government Regulation of Industry and the Environment  
 (Masters in Public Policy), 2011-2012
- Energy and Environmental Policy (Undergraduate), 2011-2012
- Microeconomics B: Cost-Benefit Analysis in Depth, (Masters in Public Policy), 2011-2012

### **Fellowships and Awards:**

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| 2024 | Kalt Prize for best graduate student placement in the Eller Business School<br>(Konan Hara, Michigan State University Economics)  |
|      | Most Inspirational Professor Award: Full-time MBA   |
|      | Eller College Undergraduate Student Choice Award: Outstanding Economics<br>Faculty Member   |
|      | The Economic Journal Referee Prize  |
| 2022 | National Science Foundation Grant for “Regulating Electricity Markets:<br>Impacts on Energy Transitions and Environmental Justice”<br>(PI grant of \$257,455, Co-PI Gautam Gowrisankaran) |
| 2021 | Eller College Student Choice Award: Outstanding Economics Instructor  |
| 2019 | Sloan Foundation Grant for “Economics of Innovation in the Energy Sector”<br>(With David Popp and NBER, \$399,895)  |
|      | Eller Dean’s Research Award for Assistant Professors  |
| 2018 | NBER Economics of Energy Use in Transportation Grant<br>(With Shaun McRae, \$15,000)  |
|      | Kalt Prize for best graduate student placement in the Eller Business School<br>(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):**

- 2025: University of British Columbia, Queens University, Yale University
- 2024: NBER IO Winter Meeting, Utah Winter Business Economics Conference, Kellogg,  
NBER EEE Spring Meeting, Iowa State University, Norwegian School of  
Economics, LSE/Imperial Workshop on Environmental Economics, Imperial  
College, London School of Economics, Federal Reserve Bank of Dallas, Ivey  
Workshop on the Economics of Electricity Policy and Markets (keynote), Stony  
Brook University, Cornell Business School
- 2023: NBER IO Winter Meeting, NBER Economic Analysis of Regulation, University of  
Oregon, Arizona State University Empirical Microeconomics Conference, UC  
Davis, MIT CEEPR Research Workshop, SITE Conference, University of Houston,  
Texas A&M IO Day, Georgia Tech, Penn State, MIT
- 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, 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, Santa Barbara Occasional Workshop in Environmental  
Economics, Yale 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, 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:**

- 2024 Co-Organizer, NBER EEE Summer Institute
- 2024- Board of Editors, *American Economic Review*  
Editorial Council, *Journal of the Association of Environmental and Resource Economists*
- 2022- Associate Editor, *International Journal of Industrial Organization*
- 2022- AERE Paper of Enduring Quality Committee Member
- 2021- Editorial Council, *Journal of Environmental Economics and Management*
- 2021 Co-Organizer, 15<sup>th</sup> North American Meeting of the Urban Economics Association
- 2021 Presentation to Congressional Budget Office (“Recent Research on the Economics of Discrimination”)
- 2020-2021 Co-Organizer, NBER conferences on the “Economics of Innovation in the Energy Sector”
- 2015-2024 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