



MIT CEEPR

Center for Energy and
Environmental Policy Research

**2025 Fall
Research Workshop**
Hilton DC Capitol Hill Hotel
Washington, DC

BIOGRAPHIES: Speakers and Moderators



MORGAN ANDRAE

Executive Director, Future Energy Systems Center
MIT Energy Initiative
Massachusetts Institute of Technology

Morgan Andrae currently serves as the Executive Director of the Future Energy Systems Center, a part of the broader MIT Energy Initiative (MITEI). In this role he is responsible for working with MIT researchers and industry partners to identify and support work on new energy technologies. Prior to joining MIT, Morgan spent over 20 years in industry first at Ford Motor Company and then at Cummins Inc. He held a variety of roles in technology development, strategy, and corporate venture with a consistent focus on bringing more sustainable technology to market. He led teams in the development of new battery, fuel cell, electrolyzer, and electric traction technologies. Morgan holds over 25 patents on diesel, hybrid-electric, and electric powertrain technology. Morgan has a PhD in mechanical engineering from MIT, a Masters and Bachelors in engineering from Dartmouth College, and a Bachelors in history from Haverford College.



STEPHEN ANSOLABEHERE

Frank G. Thompson Professor of Government
Department of Government
Harvard University

Stephen Ansolabehere is the Frank G. Thompson Professor of Government at Harvard University. He is an expert in public opinion and elections, and has published extensively on elections, mass media, and representation, political economy, and public opinion, especially concerning energy and the environment. He is author of five books: *Cheap and Clean*, *The Media Game*, *Going Negative*, *American Government*, and *The End of Inequality*. He is a Carnegie Scholar (2000), a Hoover National Fellow (1994), and Truman Scholar (1982) and was inducted into the American Academy of Arts and Sciences in 2007. He directed the Caltech/MIT Voting Technology Project from its founding in 2000 through 2004; is a member of the Board of Overseers of the Reuters Institute of Journalism at Oxford University; and consults for CBS News Election Decision Desk. He is the director of the Center for American Political Studies at Harvard, as well as principal investigator of the Cooperative Congressional Election Study, a collaborative effort of over 60 universities and colleges in the United States.



MATTHEW BOLDEN

Senior Climate Policy Advisor
Senate Environment and Public Works Committee
U.S. Senate

Matthew Bolden is a Senior Climate Policy Advisor with the Environment and Public Works Committee Democrats where he covers industrial decarbonization, carbon border adjustments, and market-based climate policies for the committee and its Ranking Member, Sen. Sheldon Whitehouse (D-RI). Prior to this, he was the Chief of Staff and Director of Policy and Government Relations at the Climate Leadership Council where he worked with a coalition of environmental organizations and companies to advance bipartisan climate policies. He started his career as a financial analyst at an impact investing firm where he underwrote investments in green tech, real estate, and community development projects.

Matt earned a B.A. in Environmental Studies with a minor in Physical Sciences from Yale-NUS College.



MICAH CHAMBERS

Legislative Director
Office of Senator Kevin Cramer (R-ND)
U.S. Senate

Micah Chambers serves as the Legislative Director for Senator Kevin Cramer (R-ND), overseeing the Senator's legislative staff and priorities. As a member of the Senate Environment & Public Works (EPW), Armed Services, Banking, and Veteran Affairs Committees, Micah manages the Senator's proposals through the legislative process. In this role, he has helped navigate the Senator's objectives through the National Defense Authorization Act, Surface Transportation Reauthorization, and Water Resources Development Act processes.

Before serving in Senator Cramer's office, Micah served as the Department of Interior's (DOI) Acting and Deputy Director of Congressional and Legislative Affairs. He managed the Department's legislative initiatives and served as the liaison for all Congressional inquiries related to energy, conservation and public lands issues. Micah led the Department's outreach and negotiations with Capitol Hill and OMB. During his tenure at the Department, he spearheaded Congressional efforts related to deferred maintenance on public lands.

Micah is originally from Ohio and has a Bachelor of Arts in Psychology with a double minor in International Studies and Religion from Cedarville University.



MICHAEL DAVIDSON

Associate Professor
School of Global Policy and Strategy
University of California, San Diego

Michael Davidson is an associate professor at the School of Global Policy and Strategy and the Mechanical and Aerospace Engineering Department of the Jacobs School of Engineering. He directs the Power Transformation Lab which focuses on the engineering implications and institutional conflicts inherent in deploying low-carbon energy at scale. He is particularly interested in systems within emerging electricity markets, including China, Southeast Asia and India, as well as the western U.S.

Davidson was previously the U.S.-China Climate Policy Coordinator for the environmental nonprofit Natural Resources Defense Council (NRDC) and a Fulbright Scholar to Tsinghua University. Prior to joining UC San Diego, Davidson was a postdoctoral research fellow at the Harvard Kennedy School Belfer Center's Environment and Natural Resources Program. He received his Ph.D. in engineering systems from the MIT Institute for Data, Systems, and Society, where he was a researcher with the MIT Joint Program on the Science and Policy of Global Change and received fellowships from the MIT Energy Initiative. He also holds an S.M. in Technology and Policy from MIT. Davidson is a member of the National Committee on U.S.-China Relations and is a senior associate (non-resident) with the Trustee Chair in Chinese Business and Economics at the Center for Strategic and International Studies.



MARIE FAGAN

Chief Economist
London Economics International, LLC

Marie Fagan is the Chief Economist at London Economics International, LLC, based in Boston, Massachusetts. With over 35 years of experience in research and consulting for the energy sector, Marie's career has spanned international upstream and downstream oil and gas, global coal, North American gas markets, North American power markets, renewable energy and de-carbonization, and regulated electric and gas utilities. She has advised industry clients, financial clients, regulators, and public interest organizations. She serves as an expert witness in oil, gas, and electric power litigation and regulatory matters.

From 1996-2014, Marie was with Cambridge Energy Research Associates (now part of IHS Markit/S&P Global). Before joining CERA, she served as an economist with the United States Energy Information Administration, conducting analysis and modeling supporting the Annual Energy Outlook, and conducting analysis of energy company financial performance. Marie holds a PhD in Economics from the American University in Washington, DC. She is a member of the Energy Bar Association, the American Economic Association, International Association for Energy Economics, and the Boston Economic Club. She is former Vice President of Business for the US Association for Energy Economics and is a former member of the USAEE Strategic Planning Committee. She serves as a referee for the *Energy Journal*, the flagship academic publication of the International Association for Energy Economics.



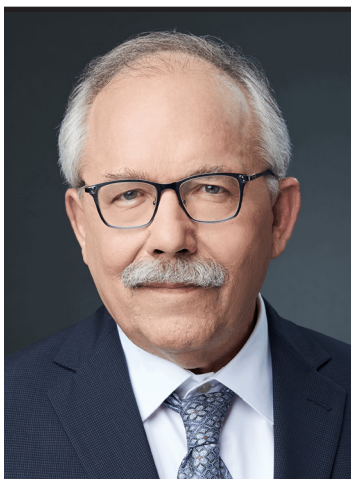
MARK FINLEY

Non-Resident Fellow
Baker Institute
Rice University

Mark Finley is the nonresident fellow in energy and global oil at Rice University's Baker Institute. He has over 35 years of experience working at the intersections of energy, economics and public policy.

Before joining the Baker Institute, Finley was the senior U.S. economist at BP. For 12 years, he led the production of the BP Statistical Review of World Energy, the world's longest-running compilation of objective global energy data. He also was responsible for the company's long- and short-term oil market analysis, and he led the global oil market and transportation sector analyses for the long-term BP Energy Outlook.

Prior to joining BP, Finley was an analyst and manager at the U.S. Central Intelligence Agency. He was responsible for assessing the implications for U.S. strategic interests of developments in global oil and other energy markets, as well as analyzing the policies of key oil-producing and -consuming countries. He was recognized for exceptional analytic performance many times, including for oil market analysis during the 1990–91 Gulf War.



DAVID FOSTER

Visiting Scholar
MIT Energy Initiative
Massachusetts Institute of Technology

David Foster currently serves as a Distinguished Associate for the Energy Futures Initiative, an energy policy think tank, led by former U.S. Energy Secretary Dr. Ernest Moniz. He is also a Visiting Scholar at the Massachusetts Institute of Technology's Energy Initiative. Previously, Foster served as Senior Advisor to U.S. Secretary of Energy Moniz from 2014–2017 on energy, environmental, climate, economic development, workforce development and labor relations issues.

Prior to working at the Department of Energy, David Foster served as the founding Executive Director of the BlueGreen Alliance (BGA), a strategic partnership of 14 of America's most important unions and environmental organizations with a combined membership of 14.5 million. From 1990–2006, he was the Director of United Steelworkers union (USW) District #11, a 13 state region based in Minneapolis, MN. Since 2009 Foster has served on the Board of Directors of Kaiser Aluminum Corporation and, since 2006, the Board of Directors of Oregon Steel Mills and its successor, Evraz, North America. From 2003–2010, he taught graduate classes on globalization, sustainability, and labor relations at the Carlson School of Management at the University of Minnesota in the Twin Cities and at the University of Minnesota at Duluth in the Masters in Advocacy and Political Leadership.



CHRISTINE HARBIN

Energy Policy Advisor
Office of Senator Bill Cassidy (R-LA)
U.S. Senate

Christine Harbin is a policy advisor to Senator Bill Cassidy (R-LA), specializing in energy, trade, and manufacturing policy. She currently manages the Foreign Pollution Fee Act, Senator Cassidy's priority legislation to help U.S. manufacturers compete on a level playing field and counter unfair competition from China.

During President Trump's first term, she served as an appointee at the U.S. Export-Import Bank, where she was Acting Senior Vice President for the Office of External Engagement and Acting Vice President for Strategic Partnerships and Initiatives for EXIM's Program on China and Transformational Exports. She also served as Associate Deputy Assistant Secretary for External and Intergovernmental Affairs at the U.S. Department of Energy.

She holds bachelor's degrees in economics, mathematics, and French from the University of Wisconsin-Madison and an MBA from the University of Wisconsin MBA Consortium.



JOSHUA HODGE

Executive Director, MIT Center for Energy and Environmental Policy Research
Lecturer, Sloan School of Management
Massachusetts Institute of Technology

Joshua Hodge is the Executive Director at the MIT Center for Energy and Environmental Policy Research, Research Director at the MIT Climate Policy Center as well as a Lecturer at the MIT Sloan School of Management. His areas of expertise include domestic and international climate and energy policy, with a focus on energy transition and renewable energy policies in the United States. Joshua's recent work has included assisting rural electric cooperatives in the U.S. with decarbonization strategy. He is also acting Executive Director for the third phase of joint Harvard-MIT Roosevelt Project as well as a member of the MIT Net-Zero by 2026 Faculty Review Committee.

Before joining MIT, Joshua ran the Commodities Research and Forecasts business, Americas, at Thomson Reuters, where he managed the launch of the firm's North American power and gas forecast modeling services. Previously, Mr. Hodge was Managing Director, North America, at Point Carbon where he was the firm's first hire in the region and oversaw the launch of Point Carbon's North American products. Joshua holds an MBA from the Darden Graduate School of Business at the University of Virginia and received his undergraduate education at the University of St. Andrews (UK). Mr. Hodge has served as a Commissioner on the Commission for Energy Use and Climate Change of the City of Somerville (MA), assisted the Museum of Science, Boston with climate change programming and mentored students at the MIT Policy Hackathon.



CHRISTOPHER R. KNITTEL

Associate Dean for Climate and Sustainability, Sloan School of Management
George P. Shultz Professor of Applied Economics, Sloan School of Management
Director, MIT Center for Energy and Environmental Policy Research
Massachusetts Institute of Technology

Christopher Knittel is the Associate Dean for Climate and Sustainability and the George P. Shultz Professor of Energy Economics in the Sloan School of Management at MIT. He directs the Center for Energy and Environmental Policy Research. CEEPR, established in 1977, is the hub for social science work related to energy and the environment at MIT. He is also the director of MIT's new Climate Policy Center. Finally, along with Meredith Fowlie at UC Berkeley, he co-directs the Environmental and Energy Economics Program at the National Bureau of Economic Research. He is the former co-editor of the *Journal of Public Economics*, and an associate editor of the *Journal of Transportation Economics and Policy* and *Journal of Energy Markets*.

Knittel's research studies consumer and firm decision-making and what this means for the benefits and costs of environmental and energy policy. He often interacts with policy-makers to discuss his research findings and the current research needs of policy. His current work involves studying how the costs of climate change policy vary across households and firms and how this differs across policy choices. Knittel uses a variety of empirical methods for his research, including large-scale randomized control trials and machine learning techniques. Professor Knittel received his B.A. in economics and political science from the California State University, Stanislaus in 1994, an M.A. in economics from UC Davis in 1996, and a Ph.D. in economics from UC Berkeley in 1999.



DON MACKENZIE

Allan & Inger Osberg Endowed Professor
Department of Civil & Environmental Engineering
University of Washington

Don MacKenzie is a Professor of Civil & Environmental Engineering at the University of Washington. He leads the Sustainable Transportation Lab, which develops and evaluates technical and policy solutions for making our transportation system more economically viable and environmentally benign, while providing access to opportunities for all. Professor MacKenzie holds a Ph.D. in Engineering Systems and S.M. in Technology and Policy, both from the Massachusetts Institute of Technology, and a B.A.Sc in Chemical & Biological Engineering from the University of British Columbia. He is a member of the Transportation Research Board's Standing Committee on Transportation Energy, and the editorial board of Transportation Research Part D: Transport and Environment.



MICHAEL MEHLING

Deputy Director

MIT Center for Energy and Environmental Policy Research

Massachusetts Institute of Technology

Michael Mehling is Deputy Director of the MIT Center for Energy and Environmental Policy Research. In his work, he focuses on climate policy design and implementation at the intersection with environmental, energy, financial market and trade policy, advising decision makers in over a dozen countries, testifying before or briefing legislators in the United States, the United Kingdom, and the European Union, and serving as an expert in several climate litigation and arbitration cases. Previously, he was a Professor of Law at the University of Strathclyde in Glasgow and President of Ecologic Institute in Washington, DC.

Dr. Mehling has helped pioneer several initiatives in the areas of climate law and policy, and is a founding board member of, *inter alia*, the Blockchain & Climate Institute (BCI) in London, the European Association of Climate Law (EACL), and the European Roundtable on Climate Change and Sustainable Transition (ERCST) in Brussels. He also launched and is Editor-in-Chief of the *Carbon & Climate Law Review* (CCLR), the first academic journal focused on climate law and regulation. He currently serves on the governance boards of Ecologic Institute in Berlin and Climate Strategies in London, the Scientific Committee of the Enel Foundation in Rome, and the advisory board of the Institute for Climate Protection, Energy and Mobility (IKEM) in Berlin.



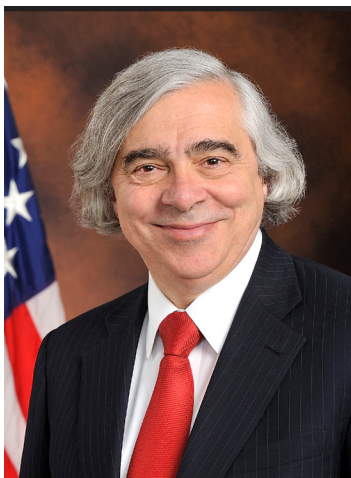
GILBERT E. METCALF

Visiting Professor

Sloan School of Management

Massachusetts Institute of Technology

Gilbert Metcalf is a Visiting Professor at the Center for Energy and Environmental Policy Research and the Sloan School of Management at MIT. He is also the John DiBiaggio Professor of Citizenship and Public Service, Emeritus at Tufts University. In addition, he is a Research Associate at the National Bureau of Economic Research and a University Fellow at Resources For The Future. Metcalf's primary research area is applied public finance with particular interests in taxation, energy, and environmental economics. His current research focuses on policy evaluation and design in the area of energy and climate change. He has frequently testified before Congress, served on expert panels for the National Academies of Sciences and the U.S. Environmental Protection Agency, and served as a consultant to numerous other organizations. During 2011 and 2012, he served as the Deputy Assistant Secretary for Environment and Energy at the U.S. Department of Treasury where he was the founding U.S. Board Member for the UN based Green Climate Fund. He has published extensively in academic journals and books on various topics including energy and tax policy. Metcalf received a B.A. in Mathematics from Amherst College, an M.S. in Agricultural and Resource Economics from the University of Massachusetts Amherst, and a Ph.D. in Economics from Harvard University.



ERNEST J. MONIZ

Cecil and Ida Green Professor of Physics and Engineering Systems, Emeritus
Department of Physics
Massachusetts Institute of Technology

Ernest J. Moniz served as the thirteenth United States Secretary of Energy from 2013 to January 2017. As Secretary, he advanced energy technology innovation, nuclear security and strategic stability, cutting-edge capabilities for the American scientific research community, and environmental stewardship. He strengthened the Department of Energy (DOE) strategic partnership with its seventeen national laboratories and with the Department of Defense and the broader national security establishment. He reorganized a number of DOE program elements, elevated sound project and risk management, and strengthened enterprise-wide management to improve mission outcomes.

Dr. Moniz served on the MIT faculty from 1973 until becoming Secretary of Energy in 2013 and is now the Cecil and Ida Green Professor of Physics and Engineering Systems emeritus and Special Advisor to the MIT President. He is co-chairman of the Board of Directors and CEO of the Nuclear Threat Initiative, a non-profit organization that has advanced innovative solutions for securing nuclear materials, building international cooperation for nuclear disarmament and nonproliferation, preventing the spread of disease and reducing radiological threats. He is the inaugural Distinguished Fellow of the Emerson Collective and CEO of the non-profit Energy Futures Initiative.



BETHANY PATTEN

Executive Director, MIT Climate Policy Center
Senior Lecturer, Sloan School of Management
Massachusetts Institute of Technology

Bethany Patten is the inaugural Executive Director of the Massachusetts Institute of Technology's Climate Policy Center—MIT's "front door" to provide evidence-based climate research for local, state, national, and international policymakers. In addition to leading MIT's Climate Policy Center, she is a Senior Lecturer at MIT Sloan School of Management. Her work centers on the translation of academic research into real-world impact in the public and private sector. Specifically, she examines how institutions can best practice ethical political engagement, connecting with and educating leaders ranging from MIT graduate students to members of the United States Congress.

Previous to this, she served as the Director of Policy and Engagement for the MIT Sloan Sustainability Initiative where she co-founded MIT Climate Pathways Project bringing together faculty, staff, and researchers to advance the adoption of evidence-based climate policy through top tier decision-makers. The project, which leverages the En-ROADS Climate Solutions Simulator co-developed by Climate Interactive and MIT Sloan, has engaged over 15,000 global leaders in government, business, and civil society. Prior to MIT, Bethany worked for more than a decade in business and financial operations in the book publishing industry. She holds an MBA from the MIT Sloan School of Management, an MPA at the John F. Kennedy School of Government at Harvard University, and a B.A. from Boston College.



ABIGAIL RANDALL

Researcher

MIT Center for Energy and Environmental Policy Research

Massachusetts Institute of Technology

Abigail Randall is a Project Manager of Large Scale Resources at NYSERDA.

Previous to this, she was a Research Assistant between the Olivetti Group, the Material Systems Laboratory, and CEEPR to analyze the supply chains of critical minerals for the energy transition. She is passionate about the policy implications of the renewable energy transition, and how this impacts demand for critical mineral mining. For her undergraduate studies, she attended the University of Michigan with Highest Honors, where she conducted research on energy policy in the Great Lakes region as well as research on local government attitudes towards wind and solar development in Michigan. Before coming to MIT, she managed federally funded research projects on solar energy soft cost reductions as a Science and Technology Policy Fellow at the US Department of Energy.



ELISABETH REYNOLDS

Professor of the Practice

Department of Urban Studies and Planning

Massachusetts Institute of Technology

Elisabeth Reynolds is Professor of the Practice in the MIT Department of Urban Studies and Planning. She was Special Assistant to the President of the U.S. for Manufacturing and Economic Development at the National Economic Council (2021-2022) where she helped lead the Administration's work on national manufacturing strategy, supply chain resilience and industrial strategy. Before working at the NEC, Reynolds was a Principal Research Scientist and executive director of the MIT Industrial Performance Center (2010-2021), an interdisciplinary research center focused on systems of innovation and industrial transformation. She also co-led the MIT Task Force on the Work of the Future (2018-2021) which examined the relationship between emerging technologies and work. Reynolds' work and research focus on systems of innovation and manufacturing including growing innovative firms to scale and digital technology adoption.

Reynolds received her Ph.D. from MIT's Department of Urban Studies in Planning, her Master's in Economics from the University of Montreal and her B.A. from Harvard College. She was the Harvard Fiske Scholar at Trinity College, Cambridge.



ILENIA GAI ROMANI

Postdoctoral Associate
Materials Research Laboratory
Massachusetts Institute of Technology

Ilenia Gaia Romani is a Postdoctoral Associate at the MIT Materials Research Laboratory and an Associate at MIT CEEPR, where she works on projects in mineral economics and techno-economic analyses of critical raw materials and their dependent technologies, such as electric vehicles. She is also a researcher in the Raw Materials for the Energy Transition (RAMET) program at Fondazione Eni Enrico Mattei (FEEM) in Milan. She earned her PhD in Analytics for Economics and Management (AEM) at the University of Brescia, with an empirical thesis on key minerals for the energy transition.

More about her profile and projects can be found here:
<https://linktr.ee/ileniagaiaromani>



JUAN RAMON L. SENGA

Postdoctoral Associate
MIT Center for Energy and Environmental Policy Research
Massachusetts Institute of Technology

Juan Senga is a Postdoctoral Associate at the MIT Center for Energy and Environmental Policy Research and the MIT Climate Policy Center. His research focuses on quantitative and economic modeling of policies that shape the energy transition, including analyses of U.S. transmission infrastructure legislation, the grid-level impacts of nuclear retirements, and the impact of data centers on power systems.

Juan also conducts research on energy transition policies in Southeast Asia, covering topics such as biofuel and solar policy in Malaysia, nuclear generation and carbon taxation in the Philippines, and load forecasting in Singapore.

Before joining MIT, Juan was a Postdoctoral Fellow in Supply Chain and Sustainability at Nanyang Technological University, Singapore. He holds a Ph.D. from Nanyang Business School and a B.S. from Ateneo de Manila University.



DREW STORY

Managing Director, MIT Policy Lab
Policy Director, MIT Climate Policy Center
Massachusetts Institute of Technology

Drew Story, Ph.D., is Managing Director of MIT's Policy Lab and Policy Director of MIT's Climate Policy Center. In these roles he collaborates with MIT faculty to increase the policy impact of their research.

Prior to joining MIT, Drew served as a policy advisor in the US Senate on energy, environment, and climate policy issues. Over a dozen legislative provisions Drew advised on were signed into law as part of the Energy Act of 2020, the Infrastructure Investment and Jobs Act, the Inflation Reduction Act, the CHIPS and Science Act, and other legislative vehicles. Following his tenure in Congress, Drew led the development of two chapters of the Fifth National Climate Assessment at the US Global Change Research Program.

Drew received his Ph.D. in Chemical and Environmental Engineering with a Designated Emphasis in Public Policy from the University of California, Riverside and his B.S. in Physical Sciences Education from LeTourneau University.



MARGO WEISZ

Executive Director
Texas Energy Poverty Research Institute

Margo Weisz has over 30 years of experience building innovative solutions for underserved communities. Margo has been instrumental in TEPRI's growth, helping conceptualize and launch TEPRI in 2014 and then serving as a member of the TEPRI Board, before serving in her current role as Executive Director.

Prior to TEPRI, Margo was a founding Partner at City Lights Group, a strategic consulting firm where she focused on the nexus of entrepreneurship, social mission, and community development. Working with private and public sector clients, she created strategic roadmaps, devised revenue and capital models, and conceptualized new impact programs.

Margo's background is in community development finance. She was a founder and CEO at PeopleFund, a statewide CDFI. Under her 16-year leadership, PeopleFund grew to a nationally recognized and award-winning CDFI. To date, PeopleFund has invested more than \$250 million in underserved communities of Texas.

Margo has also served as an adjunct professor at the LBJ School of Public Affairs and the McCombs School of Business at the University of Texas at Austin, where she has taught graduate level courses on designing effective community initiatives and impact investing.



CATHERINE WOLFRAM

William Barton Rogers Professor of Energy Economics
Sloan School of Management
Massachusetts Institute of Technology

Catherine Wolfram is the William Barton Rogers Professor of Energy Economics at the MIT Sloan School of Management.

She previously served as the Cora Jane Flood Professor of Business Administration at the Haas School of Business at UC Berkeley. From March 2021 to October 2022, she served as the Deputy Assistant Secretary for Climate and Energy Economics at the U.S. Treasury, while on leave from UC Berkeley. Before leaving for government service, she was the Program Director of the National Bureau of Economic Research's Environment and Energy Economics Program and a research affiliate at the Energy Institute at Haas. Before joining the faculty at UC Berkeley, she was an Assistant Professor of Economics at Harvard.

Wolfram has published extensively on the economics of energy markets. Her work has analyzed rural electrification programs in the developing world, energy efficiency programs in the US, the effects of environmental regulation on energy markets and the impact of privatization and market restructuring in the US and UK. She is currently working on projects at the intersection of climate, energy, and trade, including work on oil market sanctions. She received a Ph.D. in Economics from MIT in 1996 and an A.B. from Harvard in 1989.