Mert Demirer

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Employment

2026–	Associate Professor of Economics, without tenure, MIT Sloan School of Management
2021–2026	Assistant Professor of Economics, MIT Sloan School of Management
2020–2021	Post-doctoral Researcher, Microsoft Research New England

Other Employment and Appointments

2023–	Faculty Research Fellow, National Bureau of Economic Research
2026	Visiting Assistant Professor, Department of Economics, University of Chicago
2025–2026	Academic Consultant, Microsoft
2024–2026	Visiting Scholar, Federal Reserve Bank of Chicago
2024–2025	Visiting Assistant Professor, SIEPR, Stanford University

Education

2020	Ph.D. Economics, MIT
2013	M.A. Economics, Koc University
2011	B.S. Electrical and Electronics Engineering, Boğaziçi University

Areas of Interest

Industrial Organization, Firm Productivity, Artificial Intelligence, Antitrust

Working Papers

[1] "Writing Code vs. Shipping Code: Productivity Effects Across Generations of AI Coding Tools"
with Leon Musolff and Liyuan Yang, 2026
Revise and resubmit, *Quarterly Journal of Economics*

[2] "Welfare Effects of Buyer and Seller Power"
with Michael Rubens, 2026

[3] "Chaining Tasks, Redefining Work: A Theory of AI Automation"
with John J. Horton, Nicole Immorlica, Brendan Lucier and Peyman Shahidi, 2026

[4] "Firm Productivity and Learning with Digital Technologies: Evidence from Cloud Computing"
with James Brand, Connor Finucane and Avner Kreps, 2025

[5] "The Emerging Market for Intelligence: Pricing, Supply, and Demand for LLMs"
with Andrey Fradkin, Nadav Tadelis and Sida Peng, 2025

Published and Forthcoming Papers

[1] "Data, Privacy Laws and Firm Production: Evidence from the GDPR"
with Diego Jiménez Hernández, Dean Li and Sida Peng
Journal of Political Economy, 2026 (forthcoming)

[2] "The Emerging Market for Intelligence: How Firms Buy and Sell AI"
with Andrey Fradkin and Nadav Tadelis
Journal of Economic Perspectives, 2026

[3] "Production Function Estimation with Factor-Augmenting Technology: An Application to Markups"
Econometrica, 2026 (forthcoming)

[4] "Do Mergers and Acquisitions Improve Efficiency? Evidence from Power Plants"
with Omer Karaduman
Journal of Political Economy, 2026

[5] "The Effects of Generative AI on High-Skilled Work: Evidence from Three Field Experiments with Software Developers"
with Kevin Cui, Sonia Jaffe, Leon Musolff, Sida Peng and Tobias Salz
Management Science, 2026

[6] "Fisher–Schultz Lecture: Generic Machine Learning Inference on Heterogeneous Treatment Effects in Randomized Experiments, With an Application to Immunization in India"
with Victor Chernozhukov, Esther Duflo and Iván Fernández-Val
Econometrica, 2025

[7] "The Intended and Unintended Consequences of Privacy Regulation for Consumer Marketing"
with Jean-Pierre Dubé, John G. Lynch, Dirk Bergemann, Avi Goldfarb, Garrett Johnson, Anja Lambrecht, Tesary Lin, Anna Tuchman and Catherine Tucker
Marketing Science, 2025

[8] "Drug Rebates and Formulary Design: Evidence from Statins on Medicare Part D"
with Alex Olssen
Conditionally accepted, *Journal of Political Economy: Microeconomics*, 2024

[9] "Semi-Parametric Efficient Policy Learning with Continuous Actions"
with Vasilis Syrgkanis, Greg Lewis and Victor Chernozhukov
NeurIPS, 2019

[10] "Double/Debiased Machine Learning for Treatment and Structural Parameters"
with Victor Chernozhukov, Denis Chetverikov, Esther Duflo, Christian Hansen, Whitney Newey and James Robins
The Econometrics Journal, 2018

[11] "Estimating Global Bank Network Connectedness"
with Francis X. Diebold, Laura Liu and Kamil Yilmaz
Journal of Applied Econometrics, 2018

Work in Progress

[1] "Competition in Large Language Models: Evidence from Software Developers"
with Leon Musolff and Max Schnidman

[2] "How On-Demand Inputs Change Firm Production and Business Dynamism: The Case of Cloud Computing"
with James Brand and Rebekah Dix

[3] "Datacenter Entry and Congestion in the US Electricity Markets"
with El Hadi Caoui, Andrew Steck and Sophie Calder-Wang

[4] "Federated Learning and Privacy Protection"
with Dirk Bergemann, Alessandro Bonatti and Vod Vilfort

Other Writing and Non-Peer-Reviewed Publications

[1] "The Impact of AI on Developer Productivity: Evidence from GitHub Copilot"
with Sida Peng, Eirini Kalliamvakou and Peter Cihon
In *Artificial Intelligence and Experimental Economics*, Research in Experimental Economics, Vol. 23, Emerald (forthcoming)

[2] "Comment on 'Mind the Gap: AI Adoption in Europe and the US'"
Brookings Papers on Economic Activity, 2026 (forthcoming)

[3] "Writing Code Versus Shipping Code: Productivity Effects Across Generations of AI Coding Tools"
with Leon Musolff and Liyuan Yang
VoxEU, 2026

[4] "Reply to: Comments on 'Fisher–Schultz Lecture: Generic Machine Learning Inference on Heterogeneous Treatment Effects in Randomized Experiments, With an Application to Immunization in India'"
with Victor Chernozhukov, Esther Duflo and Iván Fernández-Val
Econometrica, 2025

[5] "How AI-Powered Software Development May Affect Labor Markets"
with Peter Cihon
Brookings series on *The Economics and Regulation of Artificial Intelligence and Emerging Technologies*, 2023

[6] "Double/Debiased/Neyman Machine Learning of Treatment Effects"
with Victor Chernozhukov, Denis Chetverikov, Esther Duflo, Christian Hansen and Whitney Newey
American Economic Review: Papers & Proceedings, 2017

Dormant Projects

[1] "Production Function Estimation with Imperfect Proxies"
2019

[2] "Financial Sector Volatility Connectedness and Equity Returns"
with Umut Gökçen and Kamil Yilmaz, 2016

TALKS (including scheduled)

2027	University College London; Brandeis University; University of Arizona
2026	German Competition Authority; UK Competition and Markets Authority; Queen's University; University of Chicago; St. Louis Fed; Washington University in St. Louis; National University of Singapore Business School; OECD; Luohan Academy; Amazon; Netflix; Congressional Budget Office; Cornell University; Northwestern Kellogg Strategy; ASSA Annual Meeting; Brookings Papers on Economic Activity Conference (discussant); HBS Conference on Digital Competition and Tech Regulation; IDE BigAI Conference; CEPR AI, Algorithms, and Markets Workshop; Chinese University of Hong Kong Summer School; Alpine Conference; EARIE (invited speaker); Chicago AI Workshop; NBER Summer Institute Environmental and Energy Economics (discussant); NABE Tech Economics Conference; MIT FutureTech Economics of AI and Automation Workshop; NBER Firms, Technology, and Economic Implications Conference
2025	Paris Dauphine University; Ohio State; UBC Sauder; Rice University; OpenAI; UCLA; LSE; Europe Competition Authority; Analysis Group; Bocconi University; ASSA Annual Meeting; Winter Business Economics Conference; IIOC; NBER Productivity, Innovation, and Entrepreneurship Spring Meeting; CEPR/JIE Conference on Applied Industrial Organization; Producers and Retailers Organization Conference; ZEW Conference on the Economics of Information and Communication Technologies; Northwestern Conference on Antitrust Economics and Competition Policy; NBER Organizational Economics Fall Meeting (discussant)
2024	Amazon; Harvard Economics; Harvard Business School; MIT Economics; Tilburg University; Toulouse Economics of Platforms Seminar; The UK Office of Communications; University of Berkeley; Stanford GSB Eddy Lunch; Stanford; University of Maryland; University of Toronto; University of Wisconsin-Madison; Stanford GSB OIT; AI, Cognition, and the Economy Conference; ASSA Annual Meeting; Columbia Management Analytics and Data Conference; IIOC (discussant); NBER IO Winter Meeting; NBER Organizational Economics Fall Meeting; NEBA TEC Conference; Palermo Productivity Workshop; Toulouse Conference on the Economics of Energy and Climate; Triangle Conference; Unicredit Alumni Conference; Bay Area IO Fest
2023	Brookings Institute; Chicago Fed; Department of Justice; Microsoft Office of the Chief Economist; University of Glasgow; University of Iowa; Barcelona Summer Forum; CEPR/JIE Conference on Applied Industrial Organization; CRESSE; EARIE; Hal White Antitrust Conference; IIOC; Leuven Summer Event; NBER IO/Digitization Summer Institute; Northwestern Annual Conference on Antitrust Economics and Competition Policy; Summer Institute in Competitive Strategy; ZEW Conference on the Economics of Information and Communication Technologies
2022	Bilkent University; Erasmus University Rotterdam; Koc University; Pennsylvania State University; Princeton University; ASSA Annual Meeting; Boston Conference on Markets and Competition; Cowles Foundation Conference on Models and Measurement (discussant); Federal Trade Commission's Microeconomics Conference; NBER Organizational Economics Fall Meeting; Ridge IO Winter Forum; Stanford SITE Conference
2021	CEMFI; Columbia University; Stanford University; The University of Texas at Austin; University of Michigan; ASSA Annual Meeting (discussant); Econometric Society European Winter Meeting
2020	MIT Sloan School of Management; Toronto University; Microsoft Research New England; Yale School of Management; University of Pennsylvania; Boston University; Carnegie Mellon University Tepper Business School; Duke University; Microsoft Research Redmond; Charles River Associates; Koc University

Honors, Awards & Fellowships

2026	MIT Generative AI Impact Consortium Grant
	MIT Research Support Committee Grant
2025	MIT Generative AI Impact Consortium Grant
	MIT Sloan Junior Faculty Research Assistance Program (JFRAP) Grant
2024	MIT GenAI Grant
	MIT Sloan Junior Faculty Research Assistance Program (JFRAP) Grant
2022	MIT Climate and Sustainability Consortium Seed Award
	MIT Sloan Health Systems Initiative Research Grant
	MIT Sloan Junior Faculty Research Assistance Program (JFRAP) Grant
2020	MIT Robert M. Solow Prize for Excellence in Graduate Research and Teaching
	Richard Stone Prize, *Journal of Applied Econometrics* (best paper in two volumes)
2018–19	George & Obie Schulz Fund Grant
2014–16	UniCredit & Universities Crivelli Europe Scholarship

Conference and Workshop Organization

2026	EC Senior Program Committee
	NBER Conference on Production Function Applications in IO, Co-organizer
	MIT Workshop on the Economics of AI, Co-organizer
	EARIE Scientific Committee
2025	NBER Industrial Organization Summer Institute, Co-organizer

Teaching

2021–2026	Economic Analysis for Business Decisions (MBA)
	Organizational Economics (PhD)
2023	IO of Energy Markets (PhD)

Departmental Service

2026	PhD Admissions Committee
2024	Faculty Recruiting and Search Committee
2022–2023	MIT Sloan EFA Area Weekly Faculty Research Lunch Seminar, Co-organizer
2022	MIT IO Seminar, Co-organizer
2021	Faculty Recruiting and Search Committee

Refereeing and Grant Reviewing

Econometrica; American Economic Review; Quarterly Journal of Economics; Journal of Political Economy; Review of Economic Studies; Review of Economics and Statistics; RAND Journal of Economics; American Economic Review: Insights; Management Science; International Journal of Industrial Organization; American Economic Journal: Macroeconomics; American Economic Journal: Applied Economics; American Economic Journal: Economic Policy; Journal of Law and Economics; Journal of Law, Economics, and Organization; Journal of Public Economics; Journal of Banking and Finance; Journal of Financial Econometrics; Journal of Applied Econometrics; Quantitative Economics; Journal of the European Economic Association; Econometrics Journal; Econometric Reviews; Journal of

Economic Growth; Southern Economic Journal; Review of Empirical Finance; Annals of Economics and Statistics; Science; Proceedings of the National Academy of Sciences; Biometrika; Communications of the ACM; National Science Foundation; Abdul Latif Jameel Poverty Action Lab (J-PAL)