

# Ellen Muir

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## PERSONAL DETAILS

MIT Sloan School of Management  
Massachusetts Institute of Technology  
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## ACADEMIC POSITIONS

**Assistant Professor** in Applied Economics, MIT Sloan School of Management 2024 –  
**Prize Fellow** in Economics, History and Politics, Harvard University 2022 – 2024  
**Associate**, Department of Economics, Harvard University 2022 – 2024  
**Postdoctoral Fellow**, Abdul Latif Jameel Poverty Action Lab (J-PAL), MIT 2022 – 2024  
**Research Visitor**, Department of Economics, MIT 2022 – 2024  
**Postdoctoral Fellow**, School of Mathematics and Statistics, University of Melbourne 2017

## EDUCATION

**Ph.D. in Economics**, Stanford University 2017 – 2022  
**Ph.D. in Mathematics and Statistics**, University of Melbourne 2014 – 2017  
**M.Sc. in Mathematics and Statistics**, University of Melbourne 2012 – 2013  
**B.Sc. in Mathematics and Statistics**, University of Melbourne 2009 – 2011

## REFEREED PUBLICATIONS

“[Monopoly pricing, optimal randomization, and resale](#)” with Simon Loertscher, *Journal of Political Economy*, 130(3): 566–635, 2022

“[Optimal market thickness](#)” with Simon Loertscher and Peter Taylor, *Journal of Economic Theory*, 200, 2022

“[Road to recovery: Managing an epidemic](#)” with Simon Loertscher, *Journal of Mathematical Economics* [Special issue on “The economics of epidemics and emerging diseases”], 93, 2021

“[A general noncentral hypergeometric distribution](#)” with Simon Loertscher and Peter Taylor, *Communications in Statistics – Theory and Methods*, 46(9): 4579–4598, 2017

“[Approximating the equilibrium quantity traded and welfare in large markets](#)” with Konstantin Borovkov, *Stochastic Models*, 33(3): 411–429, 2017

## WORKING PAPERS

“[A mechanism-design approach to property rights](#)” with Piotr Dworczak  
Revise and resubmit at *Econometrica*; accepted for presentation at EC’24

“[Optimal Hotelling auctions](#)” with Simon Loertscher

“[Optimal labor procurement under minimum wages and monopsony power](#)”  
with Simon Loertscher

“[Contracting and vertical control by a dominant platform](#)” with Zi Yang Kang  
Accepted for presentation at EC’22; taught as part of a [tutorial at EC’23](#)

“[The matching benefits of market thickness](#)” with Simon Loertscher

“[Market power, randomization and regulation](#)” with Simon Loertscher  
Conditionally accepted at the *International Journal of Industrial Organization* [Special issue for “The 50th Annual Conference of the European Association for Research in Industrial Economics, Rome, 2023”]

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SELECTED AWARDS & SCHOLARSHIPS	<i>Review of Economic Studies</i> Tour	2022
	7th Lindau Nobel Laureate Meeting on Economic Science	2022
	SIEPR Bradley Graduate Fellowship, Stanford University	2021 – 2022
	Visiting Research Scholar, University of Melbourne	2018, 2019, 2022, 2023
	Economics Department Fellowship, Stanford University	2017 – 2018
	ARC Australian Laureate Fellowship Postgraduate Award	2014 – 2017
	Elizabeth and Vernon Puzey Scholarship, University of Melbourne	2014 – 2017
	Professor Wilson Prize in Mathematics, University of Melbourne	2013
	Mathematics and Statistics Department Scholarship, University of Melbourne	2012 – 2013
Melbourne National Scholarship, University of Melbourne	2009 – 2011	
REFEREEING	<i>American Economic Journal: Microeconomics; American Economic Review; American Economic Review Insights; Communications in Statistics – Theory and Methods; Econometrica; Economic Letters; Games and Economic Behavior; Journal of Economics and Management Strategy; Journal for the European Economic Association; Journal of Law and Economics; Journal of Political Economy; Journal of Political Economy Microeconomics; Proceedings of the National Academy of Science of the United States of America; Quarterly Journal of Economics; RAND Journal of Economics; Review of Economic Studies; Theoretical Economics</i>	
PROFESSIONAL ACTIVITIES	Market Design Session Organizer, 2024 Stanford Institute for Theoretical Economics Conference Program committee member, 7th World Congress of the Game Theory Society Market Design Session Organizer, 2023 Stanford Institute for Theoretical Economics Conference Program Committee member, EC’23 (2023 ACM Conference on Economics and Computation) Program Committee member, EC’21 (2021 ACM Conference on Economics and Computation) Postgraduate Programs Committee member, University of Melbourne (2014 – 2017)	
PROFESSIONAL AFFILIATIONS	American Economic Association; Econometric Society; Australian Mathematical Society; Australian Research Council (ARC) Centre of Excellence for Mathematical and Statistical Frontiers (2014 – 2017)	
SEMINAR PRESENTATIONS	Bristol (scheduled); LSE (scheduled); Oxford (scheduled)	2025
	USC; Columbia; Ohio State University (scheduled)	2024
	University of Melbourne; Notre Dame; Carnegie Mellon/Pittsburgh; Rotman School of Management; Michigan State University; Brown; Microsoft Research New England; Boston University; Harvard/MIT; Cergy Paris	2023
	Princeton; NYU; Harvard; Caltech; Kellogg MEDS; MIT Sloan; Chicago Booth; NYU Stern; Wharton BEPP; Northwestern; UCLA; UPenn; Columbia Business School; SET: Seminars in Economic Theory “Not the 2022 Theory Market” (Virtual); University of Warwick; REStud Tour (University of Manchester, Central European University, Paris School of Economics); Frontiers of Economic Design (Virtual); University of Melbourne; Toulouse School of Economics; Harvard/MIT; Birmingham; Yale; Berkeley; CEPR Virtual IO Seminar; Virtual Seminars in Economic Theory; Virtual MD Seminar Series	2022
	Monash University	2021
	University of Melbourne	2020
	University of Oxford; Google Research; University of Melbourne	2019
	UChicago (Guest lecture in Econ 40603/Business 33915 Market Design); Monash University; University of Melbourne; Paris School of Economics	2018
	UNC at Chapel Hill	2017
	École Polytechnique Fédérale de Lausanne; University of Queensland	2016

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CONFERENCE  
PRESENTATIONS

ASSA Annual Meeting (San Antonio); SAET (Santiago); Australian Economic Theory Workshop (Melbourne); Eastern Economic Association Annual Conference (Boston); Women in Economic Theory Conference (New York); Canadian Economic Theory Workshop (Toronto); EC'24 (New Haven, scheduled); International Conference on Game Theory (Stony Brook, scheduled); GAMES 2024 (Beijing, scheduled); EARIE (Amsterdam, scheduled) 2024

ASSA Annual Meeting (New Orleans); Triangle Micro Conference (UNC at Chapel Hill); Penn/Wharton Economic Theory Workshop; Hal White Antitrust Conference (Washington DC); Institute for Employment Research (IAB) Workshop on Imperfect Competition in the Labor Market (Nuremberg); Markets, Contracts and Organizations Conference (Canberra); EC'23 Tutorial (Virtual); Berkeley/Columbia/Duke/MIT/Northwestern IO Theory Conference (Evanston); Christmas Microeconomic Theory Conference (Bonn) 2023

Hal White Antitrust Conference (Washington DC); Society for the Advancement of Economic Theory (Canberra); Luohan Academy Ideas in Action Forum on Platform Economy and Mechanism Design (Virtual); Women in Economic Theory (Keynote Speaker, UChicago); 9th Annual ASU Economic Theory Conference 2022

ASSA Annual Meeting (Virtual); Australasian Economic Theory Workshop (Virtual); Asia-Pacific IO Conference (Virtual) 2021

Stanford/MIT COVID-19 Policy Hackathon (Virtual); 2020 Delhi School of Economics and the Econometric Society Winter School (Virtual) 2020

INFORMS Applied Probability Society Conference (Brisbane); YoungEC'19 (Tel Aviv) 2019

CME Group-MSRI Prize Prize in Innovative Quantitative Applications Panel (Chicago); Queues, Modelling and Markov Chains: A Workshop Honouring Professor Peter Taylor (Mount Tamborine) 2018

Australasian Economic Theory Workshop (Auckland); Applied Probability at the Rock (Yulara); Stochastic Processes and their Applications (Moscow) 2017

Melbourne IO and Theory Day; Columbia/Duke/MIT/Northwestern IO Theory Conference (JIE Fellow Session, Evanston); Australasian Meeting of the Econometric Society (Sydney) 2016

Australian and New Zealand Applied Probability Workshop (Barossa Valley); Australia and New Zealand Industrial and Applied Mathematics Conference (Gold Coast) 2015

CONFERENCE  
DISCUSSIONS

“Regulating Dynamic Contracts” by Dhruva Bhaskar and Andrew McClellan, NYU Stern IO Day (2023)