

# Michael Ostrovsky

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## Academic Employment

- Fred H. Merrill Professor of Economics, Stanford Graduate School of Business, 2018 – present
  - Professor of Economics, 2015 – 2018
  - Associate Professor of Economics, 2009 – 2015 (with tenure since 2011)
  - Assistant Professor of Economics, 2005 – 2009
- Visiting Scientist, Google, 2013 – 2014
- National Fellow, Hoover Institution, 2008 – 2009

## Education

- Harvard University, Ph.D., Business Economics, 2005; A.M., Economics, 2003
- Stanford University, B.A.S., Mathematics and Economics, 1999

## Professional Service and Affiliations

- Co-Director, Working Group on Market Design, NBER, 2014 – present
- Research Associate, NBER, 2014 – present
- Co-Editor, *American Economic Journal: Microeconomics*, 2016 – 2019
- Associate Editor, *Econometrica*, 2011 – 2017
- Board of Editors, *American Economic Journal: Microeconomics*, 2011 – 2016

## Working Papers

- “Congestion Pricing, Carpooling, and Commuter Welfare” (with Michael Schwarz), December 2023.
- “Pure-Strategy Equilibrium in the Generalized First-Price Auction” (with Andy Skrzypacz), October 2022.
- “Matching with Transfers under Distributional Constraints” (with Devansh Jalota and Marco Pavone), April 2022, Revise and Resubmit, *Games and Economic Behavior*.
- “Carpooling and the Economics of Self-Driving Cars” (with Michael Schwarz), February 2018.
- “Quadratic Games” (with Giorgio Martini and Nicolas Lambert), August 2018.

## Refereed Publications

- “Reserve Prices in Internet Advertising Auctions: A Field Experiment” (with Michael Schwarz), *Journal of Political Economy*, v. 131(12), December 2023, pp. 3352-76.
- “Choice Screen Auctions,” *American Economic Review*, v. 113(9), September 2023, pp. 2486-2505.

- “On the Interplay Between Self-Driving Cars and Public Transportation” (with Nicolas Lanzetti, Maximilian Schiffer, and Marco Pavone), *IEEE Transactions on Control of Network Systems*, December 2023.
- “Chain Stability in Trading Networks” (with John W. Hatfield, Scott D. Kominers, Alexandru Nichifor, and Alexander Westkamp), *Theoretical Economics*, v. 16(1), January 2021, pp. 197–234.
- “Full Substitutability” (with John William Hatfield, Scott Duke Kominers, Alexandru Nichifor, and Alexander Westkamp), *Theoretical Economics*, v. 14(4), November 2019, pp. 1535-1590.
- “Strategic Trading in Informationally Complex Environments” (with Nicolas Lambert and Mikhail Panov), *Econometrica*, v. 86(4), July 2018, pp. 1119-1157 (lead article).
- “Gross Substitutes and Endowed Assignment Valuations” (with Renato Paes Leme), *Theoretical Economics*, v. 10(3), September 2015, pp. 853-865.
- “Group Stability in Matching with Interdependent Values” (with Archishman Chakraborty and Alessandro Citanna), *Review of Economic Design*, v. 19(1), March 2015, pp. 3-24.
- “Stability and Competitive Equilibrium in Trading Networks” (with John William Hatfield, Scott Duke Kominers, Alexandru Nichifor, and Alexander Westkamp), *Journal of Political Economy*, v. 121(5), October 2013, pp. 966-1005.
- “Information Aggregation in Dynamic Markets with Strategic Traders,” *Econometrica*, v. 80(6), November 2012, pp. 2595-2648.
- “Heterogeneity and Peer Effects in Mutual Fund Proxy Voting” (with Gregor Matvos), *Journal of Financial Economics*, v. 98(1), October 2010, pp. 90-112.
- “Information Disclosure and Unraveling in Matching Markets” (with Michael Schwarz), *American Economic Journal: Microeconomics*, v. 2(2), May 2010, pp. 34-63.  
- AEJ: Microeconomics Best Paper Prize (2013).
- “Two-Sided Matching with Interdependent Values” (with Archishman Chakraborty and Alessandro Citanna), *Journal of Economic Theory*, v. 145(1), January 2010, pp. 85-105.
- “Cross-Ownership, Returns, and Voting in Mergers” (with Gregor Matvos), *Journal of Financial Economics*, v. 89(3), September 2008, pp. 391-403.
- “Stability in Supply Chain Networks,” *American Economic Review*, v. 98(3), June 2008, pp. 897-923.
- “Simple Estimators for the Parameters of Discrete Dynamic Games, with Entry/Exit Examples” (Ariel Pakes, Michael Ostrovsky, and Steve Berry), *RAND Journal of Economics*, v. 38(2), Summer 2007, pp. 373-399.

- “Internet Advertising and the Generalized Second Price Auction: Selling Billions of Dollars Worth of Keywords” (with Benjamin Edelman and Michael Schwarz), *American Economic Review*, v. 97(1), March 2007, pp. 242-259.
  - Prize of the Game Theory Society for “the best paper at the interface of game theory and computer science in the last decade” (2013).
  - Test of Time Award for “an influential paper or series of papers published between ten and twenty-five years ago that has significantly impacted research or applications exemplifying the interplay of economics and computation” (2018).
- “Strategic Bidder Behavior in Sponsored Search Auctions” (with Benjamin Edelman), *Decision Support Systems*, v. 43(1), February 2007, pp. 192-198.
  - Emerald Management Reviews Citation of Excellence Award for “one of the top 50 articles from the top 300 management publications worldwide that have had proven impact since their publication date” (2011).
- “Synchronization under Uncertainty” (with Michael Schwarz), *International Journal of Economic Theory*, v. 2(1), March 2006, pp. 1-16.
- “Adoption of Standards under Uncertainty” (with Michael Schwarz), *RAND Journal of Economics*, v. 36(4), Winter 2005, pp. 816-832.

### **Other Publications**

- “Generalized Matching: Contracts and Networks” (with John William Hatfield, Ravi Jagadeesan, Scott Duke Kominers, Alexandru Nichifor, Alexander Teytelboym, and Alexander Westkamp), in *Online and Matching-Based Market Design* (edited by Federico Echenique, Nicole Immorlica, and Vijay Vazirani). Cambridge University Press, August 2023, pp. 303-322.
- Review of “Combinatorial Auctions” by Cramton, Shoham, and Steinberg (eds.), *Journal of Economic Literature*, v. 45(1), March 2007, pp. 183-185.

### **Honors, Fellowships, and Awards**

- National Science Foundation Grant for “The Economics of Carpooling, Road Pricing, and Autonomous Transportation”, 2018 – 2022.
- National Science Foundation Grant for “Information Elicitation and Aggregation in Market Mechanisms” (with Nicolas Lambert), 2011 – 2015.
- Alfred P. Sloan Research Fellowship, 2011 – 2015.
- Review of Economic Studies Tour, 2005.
- 58<sup>th</sup> and 59<sup>th</sup> Putnam Competitions, winner (top 15), 1997, 1998.
- 36<sup>th</sup> International Mathematical Olympiad, gold medal, 1995.

### **Conferences (committee member, organizer)**

- Co-Organizer, “New Directions in Market Design” Conference, May 2023.
- Program Committee Co-Chair, ACM EC 2020.

- Steering Committee member and Program Committee Co-Chair, AMMA Conference (Auctions, Market Mechanisms, and Applications), 2009 – 2016.
- Co-Organizer, SITE conference on Market Design, 2008.
- Co-Organizer, ACM EC Workshop on Ad Auctions, 2011.
- Senior Program Committee member/Area Chair, ACM EC 2009, 2011, 2016, 2019, 2022
- Program Committee member:
  - North American Summer Meeting of the Econometric Society, 2012;
  - Columbia/Duke/Northwestern IO Theory Conference, 2012;
  - ACM Conference on Electronic Commerce (EC), 2010, 2014, 2015;
  - ACM EC Workshops on Ad Auctions, 2008, 2013, 2014, 2015;
  - WWW2007 (Sponsored Search); WWW2008 (Internet Monetization);  
WWW2014 (Internet Economics and Monetization Track), WWW2017, WWW2018.

### **PhD Students (year and initial placement in parentheses)**

- Sebastián Bauer (current)
- Frank Yang (current)
- Chuan Yu (current)
- Martino Banchio (2023, Google Research post-doc and Bocconi University)
- Michelle Song (2022, Boston College)
- Anirudha Balasubramanian (2022, entrepreneur)
- Suraj Malladi (2021, Cornell University)
- Andres Perloth (2020, Google Research)
- Yucheng Liang (2020, briq-Bonn post-doc and Carnegie Mellon University)
- Enrique Ide (2020, IESE Business School)
- Giorgio Martini (2018, Microsoft, Office of the Chief Economist)
- Piotr Dworzak (2017, Chicago BFI post-doc and Northwestern University)
- Mikhail Panov (2015, New York University)
- Tadashi Hashimoto (2013, Toulouse post-doc and Yeshiva University)
- Songzi Du (2012, Simon Fraser University)
- Antoine Lallour (2012, Bank of England)
- John Lazarev (2012, New York University)
- Yair Livne (2012, Quora)
- M. Bumin Yenmez (2010, Microsoft Research post-doc and Carnegie Mellon University)