Mohamed Mostagir

CONTACT INFORMATION

Stephen M. Ross School of Business
University of Michigan
701 Tappan St. - R5316
Ann Arbor, MI 48109

Voice: (734) 615-5475
e-mail: mosta@umich.edu
http://www-personal.umich.edu/~mosta

EMPLOYMENT

University of Michigan, Ann Arbor, MI
Stephen M. Ross School of Business
Associate Professor of Technology and Operations (2022 - Present)
Assistant Professor of Technology and Operations (2013 - 2022)

IESE Business School, Barcelona, Spain
Operations, Information, and Technology Department
Visiting Professor (2024-2025)

Massachusetts Institute of Technology, Cambridge, MA
Laboratory for Information and Decision Systems
Postdoctoral Associate (2012 - 2013)
Advisers: Asuman Ozdaglar and Daron Acemoglu

EDUCATION

California Institute of Technology, Pasadena, CA
Social and Information Sciences Laboratory
Ph.D., Economics (June 2012)
M.S., Economics (June 2007)
Adviser: John Ledyard

Massachusetts Institute of Technology, Cambridge, MA
Sloan School of Management
S.M., Operations Research (September 2005)

University of Delaware, Newark, DE
M.Sc., Computer and Information Sciences (June 2002)

JOURNAL PAPERS

[1] Centrality in Normalized in Stochastic Networks (with J. Siderius).
Mathematics of Operations Research (2026).

[2] Social Inequality and the Spread of Misinformation (with J. Siderius).
Management Science (2023).

[3] Strategic Reviews (with J. Siderius).
Management Science (2023).

[4] Learning in a Post-Truth World (with J. Siderius).
Management Science (2022).

[5] When is Society Susceptible to Manipulation? (with A. Ozdaglar and J. Siderius).
Management Science (2022).

[6] Anticipatory Random Walks: A Dynamic Model of Crowdfunding (with S. Alaei and A. Malekian).
Forthcoming, *Operations Research* (2021).
(Extended abstract in ACM Conference on Economics and Computation (2016)).

[7] Designing Dynamic Contests (with K. Bimpikis and S. Ehsani).
Operations Research (2019).
(Extended abstract in ACM Conference on Economics and Computation (2015)).

[8] A Fully Polynomial Time Approximation Scheme for Single-Item Stochastic Inventory Control with Discrete Demand (with N. Halman, D. Klabjan, J. Orlin, and D. Simchi-Levi). *Mathematics of Operations Research* (2009).

Working Papers

[9] A Theory of Ghosting (with J. Siderius)
(ACM Conference on Economics and Computation (2026)).

[10] Strategic Experimentation in Dynamic Contests: An Experimental Study (with Y. Chen and I. Yeckehzaare).

[11] When Should Platforms Break Echo Chambers? (with J. Siderius)

[12] Naive and Bayesian Learning with Misinformation Policies (with J. Siderius).

[13] The Economics of Crowd Organizations (with D. Acemoglu and A. Ozdaglar).
Working paper, MIT, Cambridge, MA, 2019.
Major revision at *Manufacturing and Service Operations Management.*
(Extended abstract in ACM Conference on Economics and Computation (2015) (under the title "Managing Innovation in a Crowd")).

Refereed Conference Proceedings

[14] PoliTune: Analyzing the Impact of Data Selection and Fine-Tuning on Economic and Political Biases in Large Language Models (with A. Agiza and S. Reda). Proceedings of AAAI/ACM C.nference on AI, Ethics, and Society (2024).

[15] State-Dependent Opinion Dynamics (with D. Acemoglu and A. Ozdaglar). Proceedings of IEEE Thirty Ninth ICASSP (2014).

[16] Exploiting Myopic Learning. Proceedings of the International Workshop on Internet and Network Economics. Springer, Berlin, Heidelberg (2010).

[17] Optimal Delivery in Display Advertising. Proceedings of the Forty Eighth Allerton Conference on Communication, Control, and Computing (2010).

Other Papers

[18] A Novel Filtering Approach for Local PET Verification of Proton Radiotherapy (with K. Parodi, T. Bortfeld, D. Craft, and A. Knopf). Medical Physics (2006).

Invited Talks

2025-2026: Kellogg School of Management.
2024-2025: IESE Business School.
2023-2024: National University of Singapore, Singapore Management University.
2022-2023: Rice University Jones School of Business, INSEAD, HEC Paris.
2021-2022: Rotman School of Management.
2020-2021: Stanford Graduate School of Business, MIT Sloan School of Management.
2019-2020: London Business School, University College London.
2018-2019: Yale School of Management, Wharton, UCSD Rady School of Management.
2017-2018: University of Maryland Smith School of Business.
2015-2016: University of Chicago Booth School of Business, NYU Stern School of Business, Columbia Business School, UT-Austin McCombs School of Business, SxSW Interactive.
2014-2015: USC Marshall School of Business, Caltech Linde's Institute of Economic and Management Sciences.
2013-2014: Johns Hopkins Carey School of Business, Duke Fuqua School of Business, University of Washington Foster School of Business, UT-Austin McCombs School of Business, University of Michigan Ross School of Business, MIT Industrial Liaison Program (ILP), University of Michigan School of Information.
2011: NYU Department of Economics, Microsoft Research (Redmond, WA), Google Research (Mountain View, CA), Harvey Mudd Seminar on Optimization and Statistics, Caltech Social and Information Sciences Seminar.

Teaching Experience

University of Michigan Ross School of Business, Ann Arbor, MI
Click on evaluation scores to obtain a copy of students' comments.

TO502: Business Statistics (Fall 2017 - 2021, Fall 2024 - 2025)
Course Coordinator (2018 - 2021, 2024-2025).
Core MBA class. Three sections of $\sim$ 80 students each.
Evaluation: 5.0/5.0, 5.0/5.0, 4.9/5.0

TO301: Business Analytics and Statistics (Fall 2014 - Fall 2016, Fall 2022)
Course Coordinator (2022-2024).
Core BBA class. Three sections of $\sim$ 80 students each.
Evaluation: 4.94/5.0, 4.93/5.0

WMBA 503: Business Statistics (Summers 2020-2022, 2024-2026)
Course Coordinator.
Core weekend MBA class. Two sections of $\sim$ 60 students.

TO899: Learning, Crowds, and Innovation (Winter/Spring 2014)
PhD Class

Caltech, Business Economics and Management, Pasadena, CA
Teaching assistant for Competitive Strategy (Spring 2008), Options (Winter 2008), and Introduction to Finance (Fall 2007)

MIT Sloan School of Management, Cambridge, MA
Teaching fellow for Probability and Statistics - MBA core class (Summer 2005)

Professional Experience

Microsoft Research New England, Cambridge, MA
Visiting Researcher, December 2010

Massachusetts General Hospital, Boston, MA
Research Associate – *volunteer* (Oct 2005 - Feb. 2006)

Conference Presentations

Marketplace Innovation Workshop (2017), ACM EC (2015), INFORMS (2010, 2012, 2014, 2016, 2017, 2018, 2019, 2020), MSOM (2014, 2018, 2019, 2021), Revenue Management (2015, 2018, 2019, 2021), POMS(2014), MIT Stochastic Networks Conference (2012), ACM WINE (2010), Allerton (2010), Caltech SISL-Yahoo! Theory Workshop (2008, 2009, 2010)

Service

Associate Editor, Operations Research (starts January 2027).
Senior Program Committee, ACM conference on economics and computation 2024-2026.
Doctoral Program Coordinator, Technology and Operations area (2022-2024, 2025-2026).
Meritorious service award, Manufacturing and Service Operations Management (2019).
Cluster chair, INFORMS 2014.
Program committee member: ACM conference on economics and computation (2023, 2022, 2019, 2016), Workshop on Social and Information Networks (2015).
Reviewer: Management Science, Operations Research, Mathematics of Operations Research, Manufacturing and Service Operations Management, American Economic Journal: Micro, Economic Inquiry, the B.E. Journal of Theoretical Economics, Review of Economic Studies, and Review of Economic Design.
Internal Service at Michigan: Member of the PhD admissions committee; member of the Community Values Committee; Technology and Operations seminar organizer; brown bag seminar organizer.

Other

Resident Associate for Lloyd House at Caltech (2008-2011). Responsible for the well-being of over a hundred undergraduate students.