Mohamed Mostagir

CONTACT INFORMATION

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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)

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)

Ain Shams University, Cairo, Egypt
B.Sc., Electronics and Communications Engineering (Sep 2000)

SELECTED AWARDS

Ross School of Business Diversity, Equity, and Inclusion Research Award (for the paper "Social Inequality and the Spread of Misinformation").

Finalist for the (university-wide) University of Michigan Golden Apple Teaching Award (2017 and 2019). Nominated for the Full Time MBA Teaching Award (2019).

Caltech Information Science and Technology 5-year Fellowship, Caltech Industrial Relations Center Graduate Fellowship (2008 and 2009).

WORKING PAPERS

Authorship is in alphabetical order (except for [15]). Asterisk (*) indicates student co-author. Click on title to obtain latest version.

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

[2] 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")).

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

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

[5] Targeting Centrality in Stochastic Networks (with J. Siderius*).

JOURNAL PAPERS	[6] Learning in a Post-Truth World (with J. Siderius*). *Management Science Fast Track* 68(4):2860-2868 (2022).
	[7] When is Society Susceptible to Manipulation? (with A. Ozdaglar and J. Siderius*). Forthcoming, *Management Science* (2021).
	[8] Social Inequality and the Spread of Misinformation (with J. Siderius*). Forthcoming, *Management Science* (2021).
	[9] Strategic Reviews (with J. Siderius*). Forthcoming, *Management Science* (2021).
	[10] 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)).
	[11] Designing Dynamic Contests (with K. Bimpikis and S. Ehsani*). *Operations Research* (2019). (Extended abstract in ACM Conference on Economics and Computation (2015)).
	[12] 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).
REFEREED CONFERENCE PROCEEDINGS	[13] State-Dependent Opinion Dynamics (with D. Acemoglu and A. Ozdaglar). Proceedings of IEEE Thirty Ninth ICASSP (2014).
	[14] Exploiting Myopic Learning. Proceedings of the International Workshop on Internet and Network Economics. Springer, Berlin, Heidelberg (2010).
	[15] Optimal Delivery in Display Advertising. Proceedings of the Forty Eighth Allerton Conference on Communication, Control, and Computing (2010).
OTHER PAPERS	[16] 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	**2022-2023**: INSEAD, HEC Paris, NUS, Singapore Management University (Scheduled).
	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). 2010: 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) **Course Coordinator (2018-2021).** Core MBA class. Three sections of ~ 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).** Core BBA class. Three sections of ~ 80 students each. Evaluation: 4.94/5.0, 4.93/5.0 *WMBA 503: Business Statistics* (Summers 2020-2022) **Course Coordinator.** Core weekend MBA class. Two sections of ~ 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) **Oracle**, Cairo, Egypt *Decision Support Systems Consultant* (1999-2000)
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	**Doctoral Program Coordinator**, Technology and Operations area (2022-). **Meritorious service award**, Manufacturing and Service Operations Management (2019). **Cluster chair**, INFORMS 2014. **Program committee member**: ACM conference on electronics 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**: 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.