

Mohamed Mostagir

- CONTACT INFORMATION Stephen M. Ross School of Business
University of Michigan
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- EMPLOYMENT **University of Michigan**, Ann Arbor, MI
Stephen M. Ross School of Business
Assistant Professor of Technology and Operations (September 2013 - Present)
- Massachusetts Institute of Technology**, Cambridge, MA
Laboratory for Information and Decision Systems
Postdoctoral Associate (October 2011 - September 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)
Advisers: John Ledyard and Preston McAfee
- 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 Caltech Information Science and Technology 5-year Fellowship (2006-2011)
Caltech Industrial Relations Center Graduate Fellowship (2008 and 2009)
- PUBLISHED PAPERS Designing Dynamic Contests (with K. Bimpikis and S. Ehsani). *Operations Research*, forthcoming.
- 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*, August 2009.
- A Novel Filtering Approach for Local PET Verification of Proton Radiotherapy (with K. Parodi, T. Bortfeld, D. Craft, and A. Knopf). *Medical Physics*, June 2006.
- SUBMITTED AND WORKING PAPERS [1] [A Dynamic Model of Crowdfunding](#) (with S. Alaei and A. Malekian). *Second-round revision in Operations Research*.
- [2] [Flash Organizations](#) (with D. Acemoglu and A. Ozdaglar). NBER Working Paper No. 19852 under previous title 'Managing Innovation in a Crowd'. *Submitted*.
- [3] [Technology Choice in Dynamic Competition](#) (with I. Duenyas and F. Tian).
- [4] [Information Design in Dynamic Contests: An Experimental Study](#) (with Y. Chen and I. Yeckehzaare).

- [5] [Exploiting Myopic Learning](#). Working Paper.
- [6] [Peers and Pundits: State-Dependent Opinion Dynamics](#) (with D. Acemoglu and A. Ozdaglar).

WORK IN
PROGRESS

- [7] Hospital Contests.
- [8] Wage Disclosure and Inequality (with Y. Orhun and H. Tavafoghi).
- [9] Innovation Through Gossip.

REFEREED
CONFERENCE
PROCEEDINGS

- A Dynamic Model of Crowdfunding. Proceedings of the Seventeenth ACM Conference on Economics and Computation.
- Managing Innovation in a Crowd. Proceedings of the Sixteenth ACM Conference on Economics and Computation.
- Designing Dynamic Contests. Proceedings of the Sixteenth ACM Conference on Economics and Computation .
- State-Dependent Opinion Dynamics. Proceedings of IEEE Thirty Ninth ICASSP.
- Exploiting Myopic Learning. Proceedings of the Sixth Workshop on Internet and Network Economics.
- Optimal Delivery in Display Advertising. Proceedings of the Forty Eighth Allerton Conference on Communication, Control, and Computing.
- A Multi-Agent System Architecture for Active Networks (with K. Decker). Proceedings of Autonomous Agents and Multiagent Systems (AAMAS), 2002.

TEACHING
EXPERIENCE

University of Michigan Ross School of Business, Ann Arbor, MI

TO502: Business Statistics (Fall 2017)
Evaluation: 4.75/5.0, 4.68/5.0, 4.53/5.0

Core MBA class. Three sections of ~ 80 students each.
TO301: Business Analytics and Statistics (Fall 2016)
Core class. Three sections of ~ 80 students each.
Evaluation: 4.94/5.0, 4.98/5.0, 4.98/5.0

TO301: Business Analytics and Statistics (Fall 2015)
Core class. Three sections of ~ 80 students each.
Evaluation: 5.0/5.0, 5.0/5.0, 4.94/5.0

TO301: Business Analytics and Statistics (Fall 2014)
Core class. Two sections of ~ 80 students each.
Evaluation: 4.94/5.0, 4.93/5.0

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

Adviser for eight MBA Multidisciplinary Action Projects (Spring 2014)

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)

INVITED TALKS **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, University of Texas-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

CONFERENCE PRESENTATIONS Marketplace Innovation Workshop (2017), ACM EC (2015), INFORMS (2010, 2012, 2014, 2016, 2017), MSOM (2014), POMS(2014), MIT Stochastic Networks Conference (2012), ACM WINE (2010), Allerton (2010), Caltech SISL-Yahoo! Theory Workshop (2008,2009,2010)

PROFESSIONAL ACTIVITIES **Cluster chair**, INFORMS 2014. **Program committee member**: Workshop on Social and Information Networks (2015), 17th ACM conference on electronics and computation (2016) **Reviewer**: Management Science, Operations Research, Mathematics of Operations Research, the B.E. Journal of Theoretical Economics, Review of Economic Studies, and Review of Economic Design.

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