

PROMOTION RECOMMENDATION
The University of Michigan
Stephen M. Ross School of Business

Mohamed Mostagir, assistant professor of technology and operations, Stephen M. Ross School of Business, is recommended for promotion to associate professor of technology and operations, with tenure, Stephen M. Ross School of Business.

Academic Degrees

Ph.D.	2012	California Institute of Technology, Social and Information Sciences, Economics, Pasadena, CA
M.S.	2007	California Institute of Technology, Social and Information Sciences, Economics, Pasadena, CA
S.M.	2005	Massachusetts Institute of Technology, Sloan School of Management, Operations Research, Cambridge, MA
M.Sc.	2002	University of Delaware, Computer and Information Science, Newark, DE
B.Sc.	2000	Ain Shams University, Electronics and Communications Engineering, Cairo, Egypt

Professional Record:

2013 – Present	Assistant Professor of Technology and Operations, University of Michigan, Stephen M. Ross School of Business, Ann Arbor, MI
2011 – 2013	Post-doctoral Associate, Laboratory for Information and Decision Sciences, Massachusetts Institute of Technology, Cambridge, MA

Summary of Evaluation:

Teaching: Professor Mostagir has supervised MAP and Tauber projects, as well as taught a doctoral class, but the bulk of his teaching is in the core statistics class at both the undergraduate and graduate levels. In this core course, he has done phenomenally well, with student evaluations ranging from 4.9 to 5 in all sections across three years of teaching the BBA core. This course was redesigned a few years back and Professor Mostagir was a member of the initial redesign team for the class. More recently, across five years of teaching MBA statistics core his evaluations ranged from 4.5-5.0. He did very well in Fall 2020 with the MBA core when he was among a vanguard of faculty teaching hybrid, which was a huge lift. His most recent MBA core ratings in Fall 2021 were 4.9, 5.0, 5.0. From a teaching point of view, he is a great resource for the T&O group and the school with the potential to contribute even more in the future.

Research: Professor Mostagir's research focuses on identifying, modeling, and analyzing emergent problems around information and misinformation in online platforms. He studies the role that information and its assimilation plays in the success or failure of crowdsourcing or crowdfunding, and how beliefs and information propagate within social networks and online marketplaces. In his work, he develops innovative models, capturing concepts such as the presence of malicious agents who spread misinformation, level of sophistication of consumers, and the nature or mechanism by which consumers of information update their beliefs. Professor Mostagir studies challenging problems leveraging his diverse methodological strengths that

include optimization, stochastic processes, and game theory, and has developed innovative and more broadly valuable methodological techniques to help him do so. With a focus on timely and important topics, his papers yield novel and important insights about some of the most pressing issues facing society, such as how misinformation propagates as a function of social network structures, which in turn has dramatic implications such as why vaccines are currently demand-constrained rather than supply-constrained.

Recent and Significant Publications:

“Social Inequality and the Spread of Misinformation” (with J. Siderius*). Forthcoming, *Management Science* (2021).

“Learning in a Post-Truth World” (with J. Siderius*). Forthcoming. *Management Science* (2021).

“When is Society Susceptible to Manipulation?” (with A. Ozdaglar and J. Siderius*). Forthcoming, *Management Science* (2021).

“Anticipatory Random Walks: A Dynamic Model of Crowdfunding” (with S. Alaei and A. Malekian). Forthcoming, *Operations Research* (2021).

“Designing Dynamic Contests” (with K. Bimpikis and S. Ehsani*). *Operations Research* (2019).

Service: Professor Mostagir’s service is commensurate with what we would expect from a junior faculty member. He has organized Technology and Operations (T&O) seminar series, which are formal talks with outside speakers. Importantly, he also organized informal, internal brownbag seminars to help keep T&O informed of each other’s various research activities, which was very valuable. In this informal role, he was exceptionally effective – several faculty noted that the brownbag would not flourish without Professor Mostagir at the helm. Professor Mostagir has also served on several PhD admissions committees. At the school level, for three years he served on the Community Values Committee. At the society level, he has served as cluster chair for INFORMS (T&O’s largest annual conference), as well as a member of the program committee for several other conferences. Evidencing his high quality work as a referee for top journals, he has received the meritorious service award for the *M&SOM* journal, and he also served as a judge for the prestigious *M&SOM* student paper competition.

External Reviewers:

Reviewer A: “The quality of his publications is very high, with this in mind they quantity of his work is also good. ... I believe Professor Mostagir would have a very high change of being approved tenure and promoted to the associate level at my institution.”

Reviewer B: “When viewed with/from the lens of quality work – Professor Mostagir’s research portfolio is extremely impressive.”

Reviewer C: “Overall, Professor Mostagir’s work in the areas I know is truly excellent and I enthusiastically support this appointment.”


Reviewer D: “Quality of Professor Mostagir’s work is on par with leading figures of his peer group who are working in the same field. ... I highly recommend Mohammed Mostagir for this promotion without hesitation.”

Reviewer E: “His accomplishments exceed in comparison with others at a similar career stage.”

Reviewer F: “I can only congratulate him for having helped pioneer this field in Operations Management. Not only is it obvious that the field is highly relevant; it also lends itself well to the application of many of the methodological staples of our field. ... Prof. Mostagir has propelled the field ahead.”

Reviewer G: “He has used fresh perspective to understand underlying phenomena. His overall research record is very good in terms of both quality and quantity of publications.”

Summary of Recommendation: Professor Mostagir’s approach to research; creating elegant, cutting-edge models towards timely insights into pressing challenges facing business and society is a value to the technology and operations area as well as the school. Professor Mostagir’s teaching is consistently superb at both the undergraduate and graduate level and he has made important service contributions to the school. With the support of Executive Committee, I am pleased to recommend the promotion of Mohammed Mostagir to associate professor of technology and operations, with tenure, Stephen M. Ross School of Business.



Francine Lafontaine
Interim Dean of Business
Stephen M. Ross School of Business

May 2022