

Saeideh Mirghorbani

Charles E. Scheidt Faculty Fellow in Atrocity Prevention

Binghamton University
State University of New York
Binghamton, NY 13902
smirghor@binghamton.edu, 607-777-6859

Academic Positions	<i>Assistant Professor, Business Analytics and Operations</i> Binghamton University (SUNY), Binghamton, NY	Fall 2018-Present
Education	<i>Ph.D., Operations Management</i> The University of Alabama, Tuscaloosa, AL Dissertation Title: Medical Decision Making in Patients with Chronic Diseases Advisors: Dr. Sharif Melouk and Dr. John Mittenthal	2014-2018
	<i>M.S., Production Management</i> Allameh Tabatabaee University, Tehran, Iran	2009-2011
	<i>B.S., in Industrial Management</i> Allameh Tabatabaee University, Tehran, Iran	2005-2009
Research Interests	Applied operations research in healthcare systems, Markov decision processes, optimization, simulation, data mining, machine learning	
Publications	Mirghorbani, S., S. Melouk, and J. Mittenthal. 2021. The Effect of Adherence on Antihypertensive Therapy Plans in Patients with Type 2 Diabetes. <i>IIE Transactions on Healthcare System Engineering</i> , https://doi.org/10.1080/24725579.2021.1879321	
	{ This paper is selected to be featured in the ISE Magazine in 2021.	
	Mirghorbani, S., S. Melouk, and J. Mittenthal. 2020. Impact of Patient Adherence on Treatment Cost. Target: <i>Omega</i> .	
	Mirghorbani, S., S. Melouk, and J. Mittenthal. 2021. Using Partially Observable Markov Decision Processes to Improve Alzheimer's Disease Screening. To be submitted to <i>Manufacturing & Service Operations Management</i> .	
Conferences & Presentations	Mirghorbani, S., S. Melouk, and J. Mittenthal. Using Partially Observable Markov Decision Processes to Improve Alzheimer's Disease Screening. Center for Collective Dynamics of Complex Systems at Binghamton University, 2019, Binghamton, NY. INFORMS Annual Meeting 2019, Seattle, WA. POMS Annual Meeting 2019, Washington D.C.	
	Mirghorbani, S., S. Melouk, J. Mittenthal. The Effect of Adherence on the Anti-Hypertensive Therapy Plans in Patients with Diabetes. POMS Annual Meeting 2018, Houston, TX. DSI Annual Meeting 2017, Washington, D.C. INFORMS Annual Meeting 2017, Houston, TX.	

Mirghorbani, S., S. Melouk, J. Mittenthal. Anti-hypertensive Therapy Plan for Patients with Diabetes.

INFORMS Healthcare 2017 Conference. Rotterdam, Netherlands.

Mirghorbani, S., S. Melouk, J. Mittenthal. Optimal Statin Therapy Plan For

Service & Leadership	<i>Mentor</i>	Women in OR/MS (WORMS) mentorship program	Fall 2019 - Present
	<i>Committee Member</i>	Undergraduate Curriculum Committee	Fall 2018 - Present
	<i>Session Chair</i>	INFORMS Annual Meeting	2017
	<i>INFORMS Student Chapter, The University of Alabama</i>	President	Summer 2017 - Spring 2018
		- Won INFORMS Cum Laude award in 2018	
		Secretary	Fall 2016
		<i>Iranian Student Association, The University of Alabama</i>	Secretary
	<i>Ad-hoc Referee</i>	International Journal of Environmental Research and Public Health International Journal of Production Economics Journal of the Operational Research Society	
Industry Experience	<i>System Group, Tehran, Iran</i>	System Analyst of Service Management Project	Jun 2011 - May 2014
		This position involved analyzing documents required for the implementation of the Infrastructure Technology Information Library (ITIL) standard. As part of this project, several tools were evaluated and ultimately Service Manager Console was selected as the main tool.	
		Coordinator of Service Management Project	Dec 2011 - Jan 2012
		As part of a customer satisfaction project, we used the SERVQUAL model as a measuring tool in order to evaluate the customer service quality. We discovered 10% increase in customer satisfaction proportion to last year.	
Professional Society Memberships	<i>Institute for Operations Research and the Management Sciences (INFORMS)</i>	Health Applications Society	
		Optimization Society	
		Manufacturing and Service Operations Management Society	
		Women in OR/MS Forum	
		<i>Production and Operations Management Society (POMS)</i> <i>Decision Sciences Institute (DSI)</i>	
Skills	Programming: Python, R Optimization: CPLEX, LINDO/LINGO Packages: Numpy, Pandas, Scipy, SPSS, SAS Enterprise Miner Others: Jupyter Notebook, RStudio, Solver, Microsoft Office, Palisade Risk Analysis and Decision Making Tools, Arena, L ^A T _E X		
Personal Interest & Activities	Oil Color & Pastel Painting, Pilates, Swimming		