

Nasrin Yousefi

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Smith School of Business, Queen's University, Kingston, ON, Canada

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ACADEMIC EMPLOYMENT	Smith School of Business, Queen's University Assistant Professor of Management Analytics	2022–
EDUCATION	University of Toronto Ph.D. in Industrial Engineering (Operations Research) Advisor: Timothy C. Y. Chan	2018–2022
	Koç University M.Sc. in Industrial Engineering Advisors: Fikri Karaesmen, Pelin G. Canbolat	2013–2015
	Sharif University of Technology B.Sc. in Industrial Engineering	2009–2013
RESEARCH INTERESTS	Operations Research, Operations Management, Analytics Healthcare Systems, Decision Making Under Uncertainty	
PUBLICATIONS	Published/Accepted T. C. Y. Chan, M. Eberg, K. Forster, C. Holloway, L. Ieraci, Y. Shalaby, <u>N. Yousefi</u> . An Inverse Optimization Approach to Measuring Clinical Pathway Concordance, <i>Management Science</i> , Vol. 68(3), pp. 1882–1903, 2022. https://pubsonline.informs.org/doi/10.1287/mnsc.2021.4100 - <i>Note: Authors are listed alphabetically.</i> T. C. Y. Chan, K. Forster, S. Habbous, C. Holloway, L. Ieraci, Y. Shalaby, <u>N. Yousefi</u> . Inverse Optimization on Hierarchical Networks: An Application to Breast Cancer Clinical Pathways, <i>Health Care Management Science</i> , 2022. https://link.springer.com/article/10.1007/s10729-022-09599-z - <i>Note: Authors are listed alphabetically.</i> Under Review K.H.B. Leung, <u>N. Yousefi</u> , T. C. Y. Chan, A. Bayoumi. Constrained Optimization for Decision Making in Healthcare using Python: A Tutorial, submitted to <i>Medical Decision Making</i> .	
RESEARCH AWARDS	Finalist, Pierskalla Best Paper Award, INFORMS Health Applications Society, 2021 First Place, Student Paper Competition, INFORMS Health Applications Society, 2021 First Place, Student Paper Competition (Open Category), CORS, 2021	

INVITED SEMINARS **Inverse Optimization for Clinical Pathway Concordance**
Industrial and Systems Engineering Department, Wayne State University, 2022

CONFERENCES **Uncertainty Quantification in Inverse Optimization**
(upcoming) INFORMS Annual Meeting 2022, Indianapolis, IN
CORS/INFORMS International 2022, Vancouver, BC, Canada

Inverse Optimization on Hierarchical Networks
INFORMS Annual Meeting 2021, Virtual
INFORMS Annual Meeting 2020, Virtual

Inverse Optimization for Clinical Pathway Concordance
INFORMS Healthcare 2021, Virtual
MSOM 2021, Virtual
CORS 2021, Virtual
POMS 2021, Virtual
INFORMS Annual Meeting 2020, Virtual
Optimization Days 2019, Montreal, QC, Canada

Robust Optimization of Optimal Stopping Problems
StochMod16, Louvain-la-Neuve, Belgium

TEACHING EXPERIENCE **Instructor, Smith School of Business, Queen's University**
COMM 162: Managerial Statistics (2023)

Instructor, University of Toronto
Introduction to Quality Control (2021)

Teaching Assistant, University of Toronto
Linear Programming and Network Flows (graduate level; 2020–2021)
Markov Decision Processes (graduate level; 2020)
Introduction to Quality Control (2019–2020)
Operations Research III: Advanced OR (2019)
Probability and Statistics with Engineering Applications (2018–2021)

Teaching Assistant, Koç University
Production Planning and Control (2017)
Stochastic Models and Applications (graduate level; 2016–2017)
Advanced Models in Supply Chain Management (graduate level; 2016)
Operations Management (2016)
Applied Statistics (2014–2015)
Stochastic Models (2014)
Probability and Statistical Methods for Engineers (2013)

SCHOLARSHIPS & HONORS Queen Elizabeth II Canada Scholarship in Science and Technology, 2021–2022 (C\$15,000)
Faculty of Applied Science and Engineering Graduate Student Award, University of Toronto, 2020 (C\$3,000)
Graduate Student Engineering Fund, University of Toronto, 2020 (C\$3,000)
Peri Family Healthcare Fellowship, University of Toronto, 2019 (C\$9,335)
MIE Doctoral Studies Fellowship, University of Toronto, 2018–2022
The Scientific and Technological Research Council of Turkey Scholarship, 2014–2017 (~\$36,000)
Master’s Program Fellowship, Koç University, 2013
Academic Excellence Award, Sharif University of Technology, 2013
Third Rank Student (among 80+ BSc students), Department of Industrial Engineering, Sharif University of Technology, 2013

EMPLOYMENT Research Assistant 2015–2017
Koç University, Istanbul
Project: Predict-then-Optimize Framework for Newsvendor Problems with Feature Data: A Case Study on Call Center Scheduling
Collaborators: Fikri Karaesmen, Gabor Rudolf

PROFESSIONAL SERVICE Session Chair, CORS/INFORMS International Conference, 2022
Vice President, UTOrg (University of Toronto INFORMS/CORS Chapter), 2021–2022
Event Coordinator, UTOrg (University of Toronto INFORMS/CORS Chapter), 2020–2021
CUPE Liaison, International Students’ Caucus, University of Toronto, 2019–2020
Volunteer, MIE Research Symposium, University of Toronto, 2018
Organizer, INFORMS APS Conference, Koç University, 2015

MEMBERSHIPS **Institute for Operations Research and the Management Sciences (INFORMS)**
Manufacturing & Service Operations Management Society (MSOM)
Women in OR/MS Forum (WORMS)
Health Applications Society (HAS)
Analytics Society

Canadian Operational Research Society (CORS)