

Nasrin Yousefi

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- EDUCATION**
- University of Toronto**
Ph.D. in Industrial Engineering (Operations Research) 2018–2023
- Koç University**
M.Sc. in Industrial Engineering 2013–2015
- Sharif University of Technology**
B.Sc. in Industrial Engineering 2009–2013
- ACADEMIC EMPLOYMENT**
- Smith School of Business, Queen's University**
Assistant Professor of Management Analytics 2022–present
- RESEARCH INTERESTS**
- Operations Research, Operations Management, Analytics
Inverse Optimization, Healthcare Systems
- PUBLICATIONS**
1. Constrained Optimization for Decision Making in Healthcare using Python: A Tutorial
K.H.B. Leung, N. Yousefi, T. C. Y. Chan, A. Bayoumi
Medical Decision Making, 2023
<https://doi.org/10.1177/0272989X231188027>
 2. Inverse Optimization on Hierarchical Networks: An Application to Breast Cancer Clinical Pathways
T. C. Y. Chan, K. Forster, S. Habbous, C. Holloway, L. Ieraci, Y. Shalaby, N. Yousefi*
Health Care Management Science, 2022
<https://doi.org/10.1007/s10729-022-09599-z>
 3. An Inverse Optimization Approach to Measuring Clinical Pathway Concordance
T. C. Y. Chan, M. Eberg, K. Forster, C. Holloway, L. Ieraci, Y. Shalaby, N. Yousefi*
Management Science, 2022
<https://pubsonline.informs.org/doi/10.1287/mnsc.2021.4100>
- * Authors are listed alphabetically.
- CONFERENCES**
- Uncertainty Quantification in Inverse Optimization**
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

INVITED SEMINARS

Inverse Optimization for Clinical Pathway Concordance

Industrial and Systems Engineering Department, Wayne State University, 2022

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

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, 2013–2015

Academic Excellence Award, Sharif University of Technology, 2013

GRANTS

Conference Funding Award (co-applicant), Smith School of Business, 2022 (C\$15,432)

Research Initiation Grant, Smith School of Business, 2022-2024 (C\$60,000)

TEACHING EXPERIENCE

Smith School of Business, Queen's University

COMM162: Managerial Statistics, 2023

University of Toronto

Introduction to Quality Control, 2021

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

**ACADEMIC
SERVICE**

PhD-MSc Awards Adjudication Committee Member, Smith School of Business, 2022-2023
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