

Ali Daei Naby

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EDUCATION

University of Toronto, Rotman School of Management, Canada

Sep. 2022 - July 2027 (exp.)

Ph.D. in Operations Management and Statistics

Advisors: Prof. Azarakhsh Malekian and Prof. Ming Hu

Sharif University of Technology, Iran

Nov. 2020 - July 2022

M.Sc. in Applied Mathematics

Advisors: Prof. Kasra Alishahi and Prof. Mir-Omid Haji-Mirsadeghi

Sharif University of Technology, Iran

Sep. 2015 - Feb. 2020

B.Sc. in Mathematics and Applications

Advisor: Prof. Kasra Alishahi

GPA: 18.52/20

GPA: 17.87/20

RESEARCH INTERESTS

- Revenue management and mechanism design
- Linear and nonlinear optimization
- Applied probability and statistics

PUBLICATIONS AND WORKING PAPERS

Optimal Mechanism Design with Post-Allocation Signal

with Saeed Alaei, Ali Makhdoomi, and Azarakhsh Malekian

Inspect or Guess? Mechanism Design with Unobservable Inspection

with Saeed Alaei and Azarakhsh Malekian

Reject and Resubmit at Operations Research

To appear in Proceedings of the 21st Conference on Web and Internet Economics (WINE 2025)

Robust One-Shot Price Experiment

with Setareh Farajollahzadeh and Ming Hu

Major Revision at Management Science

In Proceedings of the 26th ACM Conference on Economics and Computation (EC 2025)

Winner, 2025 Oded Berman Student Paper Competition

Incentivizing Data Collaboration: A Mechanism Design Approach

with Saeed Alaei, Ali Makhdoomi, and Azarakhsh Malekian

NeurIPS 2025 Workshop on Algorithmic Collective Action (ACA)

Digital Art Collection Design

with Ming Hu and Zhoupeng (Jack) Zhang

AWARDS

- **Winner**, Oded Berman Student Paper Competition,
Rotman School of Management.

Dec. 2025

- **Bronze Medal**, International Mathematical Olympiad (IMO),
Chiang Mai, Thailand.

July 2015

- **Second Prize**, International Mathematics Competition for University Students (IMC), July 2019
Blagoevgrad, Bulgaria.
- **Gold Medal(1st Place)**, 43rd Iranian Mathematics Competition for University Students, Sep. 2019
Rafsanjan, Iran.
- **Gold Medal(1st Place)**, 20th National Mathematics Olympiad, June 2019
Tehran, Iran.
- **Gold Medal(1st Place)**, Al-Khwarizmi International Mathematical Olympiad, Oct. 2018
Urgench, Uzbekistan.
Won the special award with full marks among students of 56 universities from more than 20 countries.
- **Gold Medal(1st Place)**, 42nd Iranian Mathematics Competition for University Students, July 2018
Behshahr, Iran.
- **Gold Medal**, Iranian National Olympiad in Mathematics for High-school Students, Sep. 2014
Young Scholars' Club, Tehran, Iran.
- **Gold Medal**, Iranian National Olympiad in Mathematics for High-school Students, Sep. 2013
Young Scholars' Club, Tehran, Iran.

TEACHING EXPERIENCE

Rotman School of Management, Teaching Assistant

Operations Management (undergraduate)	Fall 2023 and Fall 2025
MMA Practicum (MMA Core)	Spring 2024-2025
Management Analytics (MMA Core)	Fall 2023
Analytics for Marketing Strategy (MMA Core)	Spring 2023

Sharif University of Technology, Teaching Assistant

Applied Stochastic Processes (graduate)	Spring 2022
Introduction to Probability Theory (graduate)	Spring 2022
Real Analysis (graduate)	Fall 2021
Stochastic Analysis (graduate)	Spring 2021

SELECTED TALKS

Inspect or Guess? Mechanism Design with Unobservable Inspection

- INFORMS Revenue Management and Pricing (RMP) Conference, New York, USA July 2025
- Marketplace Innovation Workshop (MIW) May 2025

Robust One-Shot Price Experiment

- Economics and Computation (EC) Conference, Palo Alto, USA July 2025
- University of Calgary Haskayne School of Business, Calgary, Canada Oct. 2024
- INFORMS Annual Meeting, Seattle, USA Oct. 2024
- Production and Operations Management Society (POMS) Conference April 2024

Digital Art Collection Design

