

Neda Mirzaeian

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EDUCATION

- Ph.D. Carnegie Mellon University**, Pittsburgh, PA 2016 - 2022
(expected)
Major: Operations Management
Minor: Machine Learning and Robust Optimization
Committee: Soo-Haeng Cho (Chair), Sean Qian, Alan Scheller-Wolf, Joseph Xu
- M.Sc. University of Pittsburgh**, Pittsburgh, PA 2014 - 2016
Major: Industrial Engineering
- B.Sc. Sharif University of Technology**, Tehran, Iran 2009 - 2013
Major: Industrial Engineering

RESEARCH INTERESTS

Applications: Smart City Operations, Innovative Service Operations, Smart Healthcare

Methodology: Queueing Theory, Game Theory, Optimization, Data Analysis Techniques

RESEARCH PAPERS

Mirzaeian N, Cho SH, Scheller-Wolf A (2021) A Queueing Model and Analysis for Autonomous Vehicles on Highways” *Management Science* 67(5): 2904-2923.

- **First place, 2019 IBM Service Science Best Student Paper Award**

Mirzaeian N, Cho SH, Qian S. Can Autonomous Vehicles Solve the Commuter Parking Problem? Available at <https://ssrn.com/abstract=3872106>. Revise and Resubmit at *Management Science*.

- **Finalist, 2021 IBM Service Science Best Student Paper Award.**

Mirzaeian N, Cho SH, Qian S. Controlling Ride-Hailing Curbside Congestion. Working paper.

TEACHING EXPERIENCE AT TEPPER

Instructor, Operations Management (70371) *Spring 2020*

- Format: Online and in-person
- Enrollment: 59 undergraduate students
- Responsible for structuring content, conducting lectures, and developing homework and exams
- Evaluation (on 5.00): “Overall quality of the course” = 4.28; “Faculty’s teaching” = 4.50

Instructor, Operations Management (70371) *Summer 2021*

- Format: Online
- Enrollment: 21 undergraduate students

- Responsible for structuring content, conducting lectures, and developing homework and exams
- Evaluation (on 5.00): “Overall quality of the course” = 4.17; “Faculty’s teaching” = 4.33

Teaching Assistant

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|---|------------------------|
| - Operations Management (45760 - MBA) | 2018, 2019, 2020, 2021 |
| - Operations Strategy (45864 - MBA) | 2019, 2021 |
| - Optimization (45751 - MBA) | 2021 |
| - Sustainable Operations (45960 - MBA) | 2021 |
| - Six Sigma Tools and Techniques (45861 - MBA) | 2020 |
| - Operations Management (70371 - UBA) | 2018, 2019 |
| - Real Options (45964 - MBA) | 2018, 2019 |
| - Service Management: Go-to-Market Strategy (45965 - MBA) | 2017, 2018 |
| - Dynamic Programming (47840 - PhD) | 2016 |

Responsibilities include leading weekly recitation sessions, developing content for homework assignments and exams, holding office hours, and grading assignments and exams.

PRESENTATIONS AT CONFERENCES

Can Autonomous Vehicles Solve the Commuter Parking Problem?

- IBM Service Science Best Student Paper Finalists Presentations, Anaheim, CA, October 2021
- INFORMS Annual Meeting, Anaheim, CA, October 2021
- INFORMS TSL Workshop, July 2021
- MSOM Annual Meeting , June 2021
- INFORMS Annual Meeting, November 2020
- Kellogg-Wharton OM Workshop, July 2020
- INFORMS Annual Meeting, Seattle, WA, October 2019

A Queueing Model and Analysis for Autonomous Vehicles on Highways

- IBM Service Science Best Student Paper Finalists Presentations, Seattle, WA, October 2019
- POMS Annual Meeting, Washington, DC, May 2019
- YinzOR Annual Meeting, Pittsburgh, PA, August 2019
- INFORMS Annual Meeting, Phoenix, AZ, November 2018
- MSOM Annual Meeting, Dallas, TX, July 2018

PRESENTATIONS AT ACADEMIC INSTITUTES

Can Autonomous Vehicles Solve the Commuter Parking Problem?

- Haas School of Business, University of California, Berkeley, CA, January 2022
- Smith School of Business, University of Maryland, College Park, MD, January 2022
- Jindal School of Management, University of Texas, Dallas, TX, January 2022
- The Wharton School, University of Pennsylvania, Philadelphia, PA, December 2021
- Johnson Graduate School of Management, Cornell University, Ithaca, NY, December 2021
- Eccles School of Business, University of Utah, Salt Lake City, UT, December 2021
- Kelley School of Business, Indiana University, Bloomington, IN, December 2021

- Kenan-Flagler Business School, University of North Carolina, Chapel Hill, NC, December 2021

RESEARCH AWARDS AND HONORS

- Finalist, IBM Best Student Paper Award in Service Science 2021
- Tepper Healthcare Initiative Research Award 2021
- First Place, IBM Best Student Paper Award in Service Science 2019

OTHER AWARDS AND HONORS

- Inaugural Recipient, Homaira Akbari Endowed Fellowship at Tepper School of Business 2021
- Carnegie Mellon University Presidential Fellowship at the Tepper School of Business 2020
- INFORMS Judith Liebman Award (which is given to outstanding student volunteers who have been "moving spirits" in their universities, their student chapters, and the Institute) 2018

SERVICE

- Ad Hoc Referee for *Management Science*, *Service Science*, and *POMS* 2020, 2021
- Committee Member, INFORMS Undergraduate OR Prize 2020, 2021
- President, CMU INFORMS Student Chapter 2018
- Chair, YinzOR Annual Conference 2018

REFERENCES

Soo-Haeng Cho

Professor of Operations Management and Strategy
Tepper School of Business
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Alan Scheller-Wolf

Richard M. Cyert Professor of Operations Management
Tepper School of Business
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Sean Qian

Henry Posner, Anne Molloy, and Robert and Christine Pietrandrea Associate Professor
Heinz College of Information Systems and Public Policy and Civil and Environmental Engineering
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