

Eojin Han

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ACADEMIC APPOINTMENT

Assistant Professor **2024 – current**

Information Technology, Analytics, and Operations
Mendoza College of Business, University of Notre Dame

Assistant Professor **2020 – 2024**

Operations Research and Engineering Management
Lyle School of Engineering, Southern Methodist University

EDUCATION

Ph.D., Northwestern University **2020**

Industrial Engineering and Management Sciences

- Dissertation: Leveraging Structure of Uncertainty for Adaptive Policies in Multistage Decision-Making
- Committee: Omid Nohadani (Chair), Chaithanya Bandi, David Morton, and Melvyn Sim

B.S., Seoul National University **2015**

Mathematics and Electrical Engineering (Double major)

RESEARCH

Papers labeled with † list authors in a non-alphabetical order.

This CV does not contain working papers (under revision/review/work in progress).

Published/Accepted Journal Articles

1. Chaithanya Bandi, Eojin Han, and Omid Nohadani (2019) *Sustainable Inventory with Robust Periodic-Affine Policies and Application to Medical Supply Chains*. **Management Science** 65(10):4636-4655.
2. Eojin Han, Chaithanya Bandi, and Omid Nohadani (2023) *On Finite Adaptability in Two-Stage Distributionally Robust Optimization*.[†] **Operations Research** 71(6):2307-2327.
3. Chaithanya Bandi, Eojin Han, and Alexej Proskynitopoulos (2024) *Robust Queue Inference from Waiting Times*. **Operations Research** 72(2):459-480.
4. Eojin Han and Omid Nohadani (2024) *Nonlinear Decision Rules Made Scalable by Nonparametric Liftings*. Forthcoming at **Management Science**.

Other Publications

5. Jill Wilson, David Morton, Eojin Han, and Eloise Chudik (2021) *Flipping Out for Probability*. **Proceedings of the 2021 IISE Annual Conference**.
 - Awarded IISE Engineering Education Track Best Paper Award
6. Fisar, M., Greiner, B., Huber, C., Katok, E., Ozkes, A., and the Management Science Reproducibility Collaboration (2024) *Reproducibility in Management Science*. **Management Science** 70(3):1343-1356.
 - Participated as a member of the Management Science Reproducibility Collaboration

TEACHING

Instructor

University of Notre Dame

- Simulation and Optimization (Undergraduate): Fall 24' (scheduled)
- Simulation and Optimization (Master/MBA Elective): Fall 24' (scheduled)

Instructor

Southern Methodist University

- Discrete Event Simulation (Undergraduate): Spring 21' (Evaluation: 4.5/5), Fall 21' (4.7/5), Spring 24'
- Information Engineering (Undergraduate): Spring 24'
- Analytics for Decision Support (Undergraduate/Master): Fall 21' (4.6/5), Spring 22' (4.8/5), Spring 23' (4.7/5)
- Linear Programming (PhD): Fall 22', 23'

Teaching Assistant

Northwestern University

- Probability (Undergraduate): Fall 16', 17', 18', Winter 18', Spring 17', 19'
- Mathematical Optimization II (PhD): Winter 17'

AWARDS AND HONORS

Lyle School of Engineering Research Seed Funding <i>Southern Methodist University</i>	2023
First Place, IISE Engineering Education Track Best Paper Award <i>Institute of Industrial and Systems Engineers</i>	2021
McCormick Terminal Year Dissertation Fellowship <i>Northwestern University</i>	2019
Walter J. Murphy Graduate Student Fellowship <i>Northwestern University</i>	2015
National Scholarship for Science and Engineering for Undergraduate Students <i>Korea Student Aid Foundation</i>	2008
Gold Medal in Korea Physics Olympiad <i>Korean Physics Society</i>	2006

INVITED SEMINARS

- Kelley School of Business, Indiana University (Dec 2023)
- Mendoza College of Business, University of Notre Dame (Nov 2023)
- Industrial and Management Engineering, Pohang University of Science and Technology, (Apr 2023, virtual)
- Industrial Engineering, Seoul National University (Jun 2022)
- Operations Strategy & Management Science, KAIST Business School (Jun 2022)
- Industrial Engineering and Decision Analytics, Hong Kong University of Science and Technology (Mar 2020, virtual)
- Industrial Engineering, Clemson University (Jan 2020)

- Engineering Management and Information Systems, Southern Methodist University (Jan 2020)
- CUHK Business School, Chinese University of Hong Kong (Jan 2020)
- Tippie College of Business, University of Iowa (Dec 2019)
- Industrial and Systems Engineering, Korea Advanced Institute of Science and Technology (Dec 2019)

CONFERENCE PRESENTATIONS

Presentations delivered by co-authors are labeled with †.

- *K*-Adaptability in Two-Stage Distributionally Robust Binary Program: A Primal Perspective
 - INFORMS Annual Meeting 2023†
- Distributionally Robust Time-Based Policies for Stochastic Clearing Systems
 - POMS 2023, INFORMS Annual Meeting 2023
- Robust Queue Inference from Waiting Times
 - MSOM 2022, POMS 2023, POMS-HK 2024, POMS 2024
- Nonlinear Decision Rules Made Scalable by Nonparametric Liftings
 - International Conference on Continuous Optimization 2022, SIAM Conference on Optimization 2023, INFORMS Annual Meeting 2023, INFORMS Optimization Society Conference 2024
- Dynamic Capacity Management for Deferred Surgeries
 - INFORMS Healthcare 2021, INFORMS Annual Meeting 2021, 2022, INFORMS Optimization Society Conference 2022, POMS 2022, 2023, MSOM Healthcare SIG 2022†
- On Finite Adaptability in Two-stage Distributionally Robust Optimization
 - INFORMS Annual Meeting 2019, 2020, 2021, EURO 2021, INFORMS Optimization Society 2022
- Sustainable Inventory with Robust Periodic-Affine Policies and Application to Medical Supply Chains
 - MSOM 2017, INFORMS Annual Meeting 2017, 2019, International Conference on Continuous Optimization 2019

PROFESSIONAL ACTIVITIES

- Reviewer for peer-reviewed academic journals: *Operations Research*, *Management Science*, *Manufacturing & Service Operations Management*, *Production and Operations Management*, *IIE Transactions*, *SIAM Journal on Optimization*, *Omega: The International Journal of Management Science*
- Judge, INFORMS Poster Competition 2021
- Judge, INFORMS Data Mining Best Paper Award Competition 2022, 2023
- Conference session organizer:
 - Optimizing Supply Chains under Uncertainty, INFORMS Annual Meeting 2019
 - Improving Solutions in Distributionally Robust Optimization, INFORMS Annual Meeting 2020
 - Decision Making under Multistage Uncertainty, INFORMS Annual Meeting 2021
 - Leveraging Structure of Uncertainty in Dynamic Optimization, INFORMS Annual Meeting 2022
 - Optimization for Healthcare Operations, POMS Conference 2023
 - Recent Advances in Distributionally Robust Optimization I & II, INFORMS Annual Meeting 2023 (co-chaired with Yiling Zhang)
 - Decision Rules for Dynamic Decision-Making, INFORMS Annual Meeting 2023

- Operational Decision-Making under Uncertainty, INFORMS Annual Meeting 2024 (scheduled, co-chaired with Milad Armaghan)
- Attended INFORMS New Faculty Colloquium (2020, virtual)
- SMU OREM departmental seminar coordinator (Academic year 2023-24)
- Student/postdoc advising:
 - Doran Wood (SMU OREM PhD, co-advising with Sila Cetinkaya)
 - Milad Armaghan (SMU OREM postdoc, co-advising with Sila Cetinkaya)
- Dissertation committee of:
 - Sakitha Ariyaratne (SMU OREM)
 - Hao Jiang (SMU OREM)

SKILLS

- Programming: Python, R, Julia, Matlab, C++
- Software: Gurobi, CPLEX, Mosek
- Languages: English (fluent), Korean (native)

OTHERS

President	2017 – 2018
<i>Korean Graduate Student Association of Northwestern University</i>	
Military Service	2011 – 2012
<i>Korean Augmentation to the United States Army</i>	

REFERENCES

Available upon request