

Hossein Piri

Contact Information Operations and Supply Chain Management Area *Phone:* (778) 855 1370
Haskayne School of Business *E-mail:* hossein.piri@ucalgary.ca
University of Calgary *Website:* profiles.ucalgary.ca/hossein-piri
Scurfield Hall 136, 2500 University Drive NW,
Calgary, AB T2N 1N4, Canada

Academic Employment **University of Calgary, Haskayne School of Business**
• Assistant Professor, Operations and Supply Chain Management. **2022 - present**

Education **University of British Columbia, Vancouver, BC, Canada**
• Ph.D. in Business Administration (Management Science) **2017 - 2022**
Dissertation Title: “Essays in Healthcare Operations Research”.
Advisors: Profs. Steven Shechter, Tim Huh and Mahesh Nagarajan.

University of British Columbia, Vancouver, BC, Canada
• M.A.Sc. in Chemical Engineering **2014 - 2017**

Amirkabir University of Technology, Tehran, Iran
• B.Sc. in Chemical Engineering (Honors Degree) **2009 - 2013**

Research Interests

Applications:

- Healthcare Operations
- Behavioral Operations
- Human-AI interaction
- Machine Learning
- Revenue Management

Methods:

- Dynamic Programming
- Optimization
- Data-Driven Methods and Empirical Operations

Journal Publications

- **Piri H.**, Huh W.T., Shechter S., Hudson D. (2022). “Individualized Dynamic Patient Monitoring Under Alarm Fatigue.” *Operations Research* 70(5):2749-2766.
 - Accepted for presentation at *MSOM Healthcare SIG* conference, Munich, 2022.
 - **Winner** of the *Health Care Operational Research SIG Oral Presentation Competition, Canadian Operational Research Society (CORS)*, 2021.
 - **Finalist** in the *Lee B. Lusted Student Prize Competition, 42nd Annual Meeting of the Society for Medical Decision Making*, 2020.

Papers Under Review/Revision

- Zhang H., **Piri H.**, Huh W.T., Li H. (2023). “Assortment Optimization Under Multiple-Discrete Customer Choices.” under review at *Manufacturing & Service Operations Management*.

Working Papers

- **Piri H.**, Nagarajan M., Shechter S. (2023). “Optimal Scheduling of a Multi-Clinic Healthcare Facility in the Course of a Pandemic.” to be submitted to *Management Science*.
 - **Finalist** in the *Lee B. Lusted Student Prize Competition, 43rd Annual Meeting of the Society for Medical Decision Making*, 2021.

- **Piri H.**, Huh W.T. (2023). “Firm-Centric and Customer-Centric Flexible Products.” to be submitted to *Manufacturing & Service Operations Management*.

Teaching Experience

Haskayne School of Business, University of Calgary.

- **Instructor**, Supply Chain Analytics, Undergraduate, Evaluation: **TBD**, Fall 2022
- **Instructor**, Business Analytics, Undergraduate, Evaluation: **TBD**, Fall 2022

Sauder School of Business, University of British Columbia.

- **Instructor**, Logistics and Operations Management, Undergraduate, Evaluation: **4.8/5**, Summer 2021
 - Recognized by the UBC Killam Graduate Teaching Assistant Award
 - * University-wide award for teaching excellence

Professional Experience

- **Vancouver Coastal Health, Office of the Chief Medical Health Officer**
I was involved in designing British Columbia’s COVID-19 immunization program. Responsibilities included modeling and analysis of the vaccine distribution, as well as developing a human resource plan for vaccination sites.

Honors and Awards

- **UBC Killam Graduate Teaching Assistant Award**, 2022.
- **Winner of the Health Care Operational Research SIG Oral Presentation Competition**, Canadian Operational Research Society (CORS), 2021.
- **Finalist in the Lee B. Lusted Student Prize Competition**, 43rd Annual Meeting of the Society for Medical Decision Making, 2021.
- **Dean Earle D MacPhee Memorial Fellowship in Commerce and Business Administration**, University of British Columbia, 2017-2021.
- **Shelby L. Brumelle Memorial Graduate Scholarship**, University of British Columbia, 2021.
- **President’s Academic Excellence Initiative PhD Award**, University of British Columbia, 2020.
- **Finalist in the Lee B. Lusted Student Prize Competition**, 42nd Annual Meeting of the Society for Medical Decision Making, 2020.
- **Shelby L. Brumelle Memorial Graduate Scholarship**, University of British Columbia, 2019.
- **Sauder School of Business Graduate Award**, University of British Columbia, 2017.
- **Faculty of Applied Science Graduate Award**, University of British Columbia, 2014.

Invited Research Seminars

- Simon Fraser University, Department of Mathematics, 2023.
- University of Texas at Dallas, Jindal School of Management, 2022.
- University of British Columbia, Faculty of Pharmaceutical Sciences, 2022.
- University of British Columbia, Sauder School of Business, 2021.

Conference Presentations

- **Individualized Dynamic Patient Monitoring Under Alarm Fatigue.**
 - INFORMS Annual Meeting, Indianapolis, October 2022.
 - MSOM Healthcare SIG Conference, Munich, June 2022.
 - CORS/INFORMS International Conference, Vancouver, June 2022.
 - INFORMS Annual Meeting, Virtual, October 2021.
 - INFORMS MSOM Conference, Virtual, June 2021.
 - CORS Annual Meeting, Virtual, June 2021.
 - POMS 31st Annual Conference, Virtual, May 2021.
 - INFORMS Annual Meeting, Virtual, November 2020.
 - 42nd Annual Meeting of the Society for Medical Decision Making, Virtual, October 2020.
 - INFORMS Annual Meeting, Seattle, USA, October 2019.
 - CORS Annual Meeting, Saskatoon, Canada, May 2019.
- **Optimal Scheduling of a Multi-Clinic Healthcare Facility in the Course of a Pandemic.**
 - INFORMS Annual Meeting, Virtual, October 2021.
 - INFORMS Annual Meeting, Virtual, October 2021.
 - 43rd Annual Meeting of the Society for Medical Decision Making, Virtual, October 2021.
 - INFORMS MSOM Conference, Virtual, June 2021.
 - Winter Simulation Conference (WSC), Virtual, December 2021.

Academic Services

- **Reviewer**
 - *Operations Research.*
 - *Manufacturing & Service Operations Management.*
 - *Journal of the Operational Research Society.*
- **Session Chair**
 - INFORMS Annual Meeting 2020, 2021, 2022.
 - CORS/INFORMS International Conference, 2022.
 - POMS 32nd Annual Conference, 2022.
 - CORS Annual Meeting, 2021.
 - Winter Simulation Conference, 2021.
- President of the PhD Students Society, University of British Columbia, 2018-2019.

Computer Skills

- **Programming Languages:** Python, C, MATLAB (see selected projects below).
 - Python: Forecasting the health progression of ICU patients (GitHub link).
 - C: Simulation optimization of elevator control (discrete event simulation) (GitHub link).
 - MATLAB: Flow mapping in parallel micro-fluid paths (GitHub link).
- **Statistical Package:** R
 - R: Forecasting red cards in soccer with regression modelling; Time series analysis of Vancouver housing market (GitHub link).
- **Operations Research:** Gurobi.
 - Trained MBA students to work with the Gurobi Python environment.

References

Steven Shechter

Professor
Sauder School of Business
University of British Columbia
E-Mail: steven.shechter@sauder.ubc.ca

Tim Huh

Professor and Chair
Sauder School of Business
University of British Columbia
E-Mail: tim.huh@sauder.ubc.ca

Mahesh Nagarajan

Senior Associate Dean, Research
Sauder School of Business
University of British Columbia
E-Mail: mahesh.nagarajan@sauder.ubc.ca