

Hossein Piri

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

Education **University of British Columbia, Sauder School of Business, Vancouver, BC, Canada**
• Ph.D. in Business Administration (Management Science) **2017 - 2023**
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
- Human-AI interaction
- Behavioral Operations
- Revenue Management

Methods:

- Dynamic Programming
- Machine Learning
- Optimization
- Data-Driven Methods

Publications

- **Hossein Piri**, Tim Huh, Steven Shechter, Darren Hudson (2022). “Individualized Dynamic Patient Monitoring Under Alarm Fatigue.” *Operations Research* 70(5):2749-2766.
 - Presented at *MSOM Healthcare SIG 2022*. Acceptance Rate: 16% .
 - **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.
- Heng Zhang, **Hossein Piri**, Tim Huh, Honming Li. (2023). “Assortment Optimization Under Multiple-Discrete Customer Choices.”
 - Invited for the 3rd Round Review at *Manufacturing & Service Operations Management (MSOM)*. Available at SSRN 3988982.
- **Hossein Piri**, Tim Huh, Eunho Chang, Chulung Lee. (2024). “Firm-Centric and Customer-Centric Flexible Products.” Available at SSRN 4580410.
 - Reject and Resubmit (**R&R**) from *Manufacturing & Service Operations Management (MSOM)*.

- **Hossein Piri**, Mahesh Nagarajan, Steven Shechter. “Optimal Scheduling of a Multi-Clinic Healthcare Facility in the Course of a Pandemic.” To be submitted to *Manufacturing & Service Operations Management*.
 - Manuscript derived from my **Ph.D. dissertation**, University of British Columbia, 2023.
 - **Finalist** in the *Lee B. Lusted Student Prize Competition, 43rd Annual Meeting of the Society for Medical Decision Making*, 2021.

Work in Progress

- (Authors Listed Alphabetically)**
- Darren Hudson (Alberta Health Services), Michael Lingzhi Li (Harvard Business School), Hossein Piri. “Optimizing Drug Interaction Alerts: A Grouping-Based Approach to Mitigate Alert Fatigue Among Clinicians.”
 - Bryce McLaughlin (Wharton), Hossein Piri, M. Reza Skandari (Imperial College London). “Dynamic Patient-Centered Warning System: Enhancing Patient Safety in Multi-Patient Care Environments.”
 - Marco Bijvank (Haskayne), Omar Khan (UCalgary Cumming), Hamed Milani (PhD Student, Haskayne), Hossein Piri. “Optimizing the Screening Approach for Breast Cancer. ”

Teaching Experience

Instructor, University of Calgary.

- **MBA**, MGST 631: Prescriptive Analytics, Fall 2024, Sec L01, Average USRI : TBA.
- **BComm**, SCMA 451: Supply Chain Analytics, Fall 2024, Sec L01, Average USRI : TBA.
- **BComm**, SCMA 451: Supply Chain Analytics, Fall 2024, Sec L02, Average USRI : TBA.
- **MBA**, MGST 631: Prescriptive Analytics, Fall 2023, Sec L01, Average USRI : **7/7**.
- **BComm**, SCMA 451: Supply Chain Analytics, Fall 2023, Sec L01, Average USRI : **6.5/7**.
- **BComm**, MGST 391: Business Analytics, Fall 2022, Sec L06, Average USRI : **7/7**.
- **BComm**, MGST 391: Business Analytics, Fall 2022, Sec L05, Average USRI : **6.9/7**.
- **BComm**, SCMA 451: Supply Chain Analytics, Fall 2022, Sec L01, Average USRI : **6.9/7**.

Instructor, University of British Columbia.

- **Undergraduate**, “Logistics and Operations Management”, Summer 2021, **Online**, Evaluation: **4.8/5**.
 - Recognized by the UBC **Killam Teaching Award**

Research Funding

- **Social Sciences and Humanities Research Council of Canada (SSHRC), Insight Development Grant (IDG)**, “Enhancing Nurse Well-being: Innovating Hospital Conditions for Improved Mental Health”
 - **Role**: Principal Investigator
 - **Funding Period**: June 2024 - May 2026
 - **Total Funding**: CAD 69,118
 - **Portion of Funding Received**: CAD 69,118

PhD Student Supervision

Principal Supervisor of: Hamed Milani (PhD Student), University of Calgary
Co-Supervisor: Marco Bijvank, University of Calgary
Duration: September 2024 - August 2029
Thesis/Project Title: Optimizing the Screening Approach for Breast Cancer

Honors and Awards

- **Superior Service Award (Professor)**, Haskayne School of Business, University of Calgary, 2024.
 - In recognition of outstanding contributions to the students of the Haskayne School of Business.
- **Dean’s Research Scholar (DRS)**, Haskayne School of Business, University of Calgary, 2023.
 - As a DRS, I was granted two additional course releases in addition to the standard course release provided to pre-tenure faculty members.
- **UBC Killam Teaching 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

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

Conference Presentations and Contributions

- INFORMS Annual Meeting, Seattle, Oct 2024, 1 paper.
- POMS International Conference, Istanbul, June 2024, 1 paper.
- INFORMS International Conference, Medellin, June 2024, 1 paper.
- INFORMS Annual Meeting, Phoenix, Oct 2023, 1 paper.
- INFORMS Healthcare Conference, Toronto, July 2023, 2 papers.
- INFORMS MSOM Conference, Montreal, June 2023, 1 paper.
- POMS Annual Conference, Orlando, May 2023, 2 papers.
- INFORMS Annual Meeting, Indianapolis, Oct 2022, 1 paper
- MSOM Healthcare SIG conference, Munich, June 2022, 1 paper
- INFORMS Annual Meeting, Virtual, Oct 2021, 2 papers
- INFORMS MSOM Conference, Virtual, June 2021, 2 papers

- 43rd Annual Meeting of the Society for Medical Decision Making, Virtual, Oct 2021, 1 paper.
- 42nd Annual Meeting of the Society for Medical Decision Making, Virtual, Oct 2020, 1 paper.

Broadcast Interviews

- **CBC 6 pm News Calgary with Rob Brown, Canadian Broadcasting Corporation (CBC)**, “The Potential Impact of a Rail Work Stoppage on Canada’s Supply Chains”, August 20, 2024.
Link: <https://www.cbc.ca/player/play/video/9.6486587>. (See the 5:04 minute mark).
- **CBC Radio Interview with Meegan Raed, Canadian Broadcasting Corporation (CBC)**, “The Impact of Labour Minister’s Decision on CN Rail’s Call for Binding Arbitration on Supply Chains and Prices”, August 16, 2024.

Academic Services

- **Committee Memberships**
 - PhD Advisory Committee, Haskayne School of Business, The University of Calgary, Since 2024.
 - Faculty Hiring Committee, The University of Calgary, 2024.
 - * Haskayne School of Business: Member of the Hiring Committee for a Tenure-Track Faculty Position in Operations and Supply Chain Management.
 - * Physics Department: Member of the Hiring Committee for Limited-Term Assistant Professor in Quantum Science and Technology .
 - PhD Students Hiring Committee, Haskayne School of Business, The University of Calgary, Since 2023.
 - Ph.D. Examination Committee, The University of Calgary.
 - * PhD Students : Ke Wang (neutral chair), Mahdiah Sarbazvatan (examiner), Saman Teymoorian Motlagh (committee member), Amirhossein Shabani (committee member), Sina Taheria (committee member).
- **Reviewer**
 - *Management Science* (2 papers) .
 - *Operations Research*. (1 paper) .
 - *Manufacturing & Service Operations Management*. (4 papers) .
 - *Journal of the Operational Research Society*. (1 paper) .
- **Session Chair**
 - POMS International Conference, 2024.
 - INFORMS Annual Meeting 2020, 2021, 2022, 2024.
 - INFORMS Healthcare Conference, 2023.
 - CORS/INFORMS International Conference, 2022.
 - POMS 32nd Annual Conference, 2022.
 - Winter Simulation Conference 2021.
 - CORS Annual Meeting, 2021.
- President of the PhD Students Society, University of British Columbia, 2018-2019.