

MEHRNAZ BEHROOZ

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Education

University of Alberta – *Doctor of philosophy*

Alberta School of Business (Major: Business Analytics)

- Advisors: Ilbin Lee and Ivor Cribben

Alberta-Canada

2020-present

Amirkabir University of Technology – *Master of Science*

Industrial Engineering (Major: Health Systems Engineering)

- Thesis: Find an Optimal Screening Policy for Hepatitis C
- Advisor: Amin Dehghanian

Tehran-Iran

2017-2020

Amirkabir University of Technology – *Bachelor of Science*

Industrial Engineering

- Thesis: Design a Fuzzy System for Diagnosing the HCV Intensity Rate
- Advisor: MH Fazel Zarandi

Tehran-Iran

2013-2017

Research Interests

- Healthcare Operations
- Retirement Decision-Making
- Data Analytics in Healthcare
- Dynamic Programming
- Stochastic Modeling and Optimization
- Randomized Control Trials
- Fuzzy Systems

Awards, Fellowships, & Grants

- Eric Geddes/Alberta Innovates Fellowship in Health Organization Studies 2022
- Graduate Research Assistantship Funds from Ilbin Lee 2022
- Doctoral Recruitment Scholarship from University of Alberta 2021
- Ranked 1th in Health Systems Major and 4th among the MSc Students of Industrial Engineering in Amirkabir University of Technology 2020
- Iran National Science Foundation Grant for My MSc Thesis 2019
- Ranked 4th among the BSc Students of Industrial Engineering at Amirkabir University of Technology 2018
- Ranked 4th among the BSc Students of Industrial Engineering at Amirkabir University of Technology 2016

Conference Publication

M. Behrooz and M. H. F. Zarandi, *Design and Implementation of Fuzzy Expert System Based on Evolutionary Algorithms for Diagnosing the Intensity Rate of Hepatitis C*, North American Fuzzy Information Processing Society Annual Conference, pp. 24-36. Springer, Cham, 2018

Working Paper

M. Behrooz, A. Dehghanian, and S. M. Alavian, *Optimal Screening Policy for Hepatitis C: A POMDP Approach*, in progress.

Teaching Experiences

Teaching Assistant

Alberta School of Business

- Data Visualization (OM 488) *Spring* 2022

Amirkabir University of Technology

- Inventory Control (I) *Spring* 2020
- Linear Algebra 2019
- Operation Research (II) 2018
- Inventory Control (II) 2018
- Quality Control *Fall* 2018
- Motion & Time Study *Spring* 2018
- Engineering Economics *Fall* 2017
- Engineering Economics 2016
- Engineering Economics 2017

High school Teacher

White Consultant Library

- Mathematics 2013 – 2015
- Arabic 2013 – 2015

Volunteer Experiences

University of Alberta

- Executive team member of Business Research Conference 2022
- Executive team member of Business Doctoral Association 2021 – 2022

Amirkabir University of Technology

2014

- R&D Committee member of *Masaf* Journal
(*Technical Journal of IE in Amirkabir University of Technology*)
- Writer and Editor in *Rastad* Magazine
(*An Entertainment Journal in Amirkabir University of Technology*)

Work Experiences

Ministry of Science, Research & Technology	2018
• Design budget allocation system for clustrering laboratories	
Iran Khodro car Assembly company	2016
• Internship in 206 manufacturing department	
Rayannik International Firm	
• Field study of organizational motivation based on expectancy theory	2014
White Consultant Library	
Consultant and Academic Advice to high school student	2014

Skills

- **Programming:** Python, R, C, CodevisionAVR
- **Software:** LaTeX, MATLAB, GAMS, NetLogo, MSP, Altium, Solidworks, Microsoft Office
- **Others:** Presentation, Documentation

Hobbies & Extracurricular Activities

- Writing poems, short stories, and diaries
- Playing piano
- Photography
- Sports: TRX, Yoga, Swimming, Badminton, Horse riding

Language Proficiency & Test Scores

Persian (Native), **English** (Fluent), **French** (Niveau A2)

GRE General Test: Total: 323/340

(Quantitative Reasoning: 170/170, Verbal Reasoning: 153/170, Analytical Writing: 3.5)

TOEFL iBT: Total: 105/120

(Reading: 30/30, Listening: 27/30, Speaking: 24/30, Writing: 24/30)

References

Ivor Cribben (PhD Supervisor), Associate Professor

Alberta School of Business, University of Alberta, Edmonton, Alberta, CA

Email: cribben@ualberta.ca

Ilbin Lee (PhD Supervisor), Assistant Professor

Alberta School of Business, University of Alberta, Edmonton, Alberta, CA

Email: ilbin@ualberta.ca

Amin Dehghanian (MSc advisor), Postdoctoral Fellow | Assistant Professor

H. Milton Stewart School of Industrial and Systems Engineering, Georgia Institute of Technology, Atlanta, Georgia, U.S.A

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