

FAHIMEH ZIAEI

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EDUCATION

- Ph.D. in Applied Mathematics, **Wilfrid Laurier University** (2020-now)
- M.Sc. Economics and Social Systems Engineering, **Tarbiat Modarres University** (2016)
- B.Sc. in Industrial Engineering, **Amirkabir University of Technology** (2011)

RESEARCH PAPERS

- The Consequences of Preference Correlation for Fair Division of Indivisible Items. Fahimeh Ziaei, Marc Kilgour. IEEE Conference 2023
- Comparing Algorithms for Fair Allocation of Indivisible Items with Limited Information. Fahimeh Ziaei, Marc Kilgour. Group Decision and Negotiation in the Era of Multimodal Interactions. GDN 2023. Lecture Notes in Business Information Processing, Springer.
- Comparing Algorithms for Fair Division of Indivisible Items. Fahimeh Ziaei, Marc Kilgour. Presented at the International Conference of Group Decisions and Negotiations, June 12-16, 2022
- Strategic analysis of water scarcity in Iran, applying Game Theory. Fahimeh Ziaei, Majid Sheikhmohammady, Mohsen Bahremani. Presented at the National Conference of upcoming strategies for the water crisis in Iran and the Middle East, Shiraz, Iran. 2015

HONORS AND AWARDS

- Springer Best Student Paper-Runner up Award for the International Group Decisions and Negotiations Conference (GDN) for the paper entitled “Comparing Algorithms for Fair Division of Indivisible Items with limited information”, June 2023.
- Springer Best Student Paper Award for the International Group Decisions and Negotiations Conference (GDN) for the paper entitled “Comparing Algorithms for Fair Division of Indivisible Items”, June 2022.
- Interdisciplinary Research Institute for Mathematical and Statistical Modelling in Scientific Discovery, Innovation and Sustainability (MS2Discovery) research, and Travel grant, 2021.

TEACHING EXPERIENCE

Wilfrid Laurier University

- Introduction to mathematical software(MATLAB, R, and Maple software) (Spring 2024)

Teaching Assistant:

“Regression analysis” (2023), “Statistics” (2023), “Mathematical analysis” (2023), “Game Theory” (2022, 2021), “Calculus” (2022), “Linear algebra” (2021), “Optimization” (2020).

Tabiat Modarres University

- Introduction to mathematical software(MATLAB, R, and Maple software)“Game Theory (plus GMCR II software)” (2015, 2016)
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REFERENCES

- Marc Kilgour, Professor (P.h.D Advisor) Department of Mathematics, Wilfrid Laurier University, Waterloo, Canada
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- Majid Sheikh Mohammady, Associate Professor(Master's Advisor) Department of Industrial Engineerin and Systems, Tarbiat Moddares University, Tehran, Iran
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