

Asst. Prof. Kamyar Kargar Mohammadinezh

Personal Information

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Biography

Kamyar Kargar is an assistant professor at the Department of Industrial Engineering, TED University. He received his Ph.D. degree from the Department of Industrial Engineering, Bilkent University in 2019. He received his B.Sc. and M.Sc. in Industrial Engineering from Tabriz University and Tehran TMU University, respectively. His current research interests focus on combinatorial optimization, game theory, and codon optimization.

Education Information

Doctorate, Ihsan Dogramaci Bilkent University, Turkey 2014 - 2019

Academic Titles / Tasks

Assistant Professor, TED University, Faculty of Engineering, Department of Industrial Engineering, 2020 - Continues

Academic and Administrative Experience

BAP-LAD Komisyon Üyesi, 2021 - Continues

Assistant Professor, TED University, Industrial Engineering, 2020 - Continues

Courses

Mathematical Programming for Engineering Management, Postgraduate, 2022 - 2023, 2020 - 2021

Senior Project II, Undergraduate, 2021 - 2022, 2020 - 2021

Computational Tools for Industrial Engineers, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Deterministic Optimization, Postgraduate, 2022 - 2023

Mathematical Modeling and Optimization I, Undergraduate, 2021 - 2022, 2020 - 2021

Introduction to Calculus of One Variable, Undergraduate, 2021 - 2022

Senior Project I, Undergraduate, 2021 - 2022, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Feature selection using stochastic approximation with Barzilai and Borwein non-monotone gains**
Aksakalli V., Yenice Z. D., Malekipirbazari M., Kargar Mohammadi K.
COMPUTERS & OPERATIONS RESEARCH, vol.132, 2021 (SCI-Expanded)
- II. **Codon optimization: a mathematical programming approach**
Sen A., Kargar Mohammadi K., Akgun E., Pinar M. C.
BIOINFORMATICS, vol.36, no.13, pp.4012-4020, 2020 (SCI-Expanded)
- III. **Bilateral trade with risk-averse intermediary using linear network optimization**
Bayrak H. I., Kargar Mohammadi K., Pinar M. C.
NETWORKS, vol.74, no.4, pp.325-332, 2019 (SCI-Expanded)
- IV. **Comparison of the formulations for a hub-and-spoke network design problem under congestion**
Kian R., Kargar Mohammadi K.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.101, pp.504-512, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Robust bilateral trade with discrete types**
Kargar Mohammadi K., Bayrak H. I., Pinar M. C.
EURO JOURNAL ON COMPUTATIONAL OPTIMIZATION, vol.6, no.4, pp.367-393, 2018 (ESCI)