

Amirreza Pashapour

apashapour20@ku.edu.tr

amirrezapashapour@gmail.com

(+90)531-583-2088 / (+98)914-949-6889

Education

Ph.D. in Industrial Engineering, Operations Research KOÇ University, Istanbul, Turkey – GPA: 3.97/4	2020- present
M.Sc. in Industrial Engineering, System Optimization Sharif University of Technology, Tehran, Iran - GPA: 18.59/20 (4/4)	2018- 2020
B.Sc. in Industrial Engineering Sharif University of Technology, Tehran, Iran - GPA: 18.10/20 (3.86/4)	2014- 2018
High School Diploma in Mathematics & Physics National Organizations for Development of Exceptional Talents, Urmia, Iran - GPA: 19.56/20 (4/4)	2010- 2014

Research & Publications

Research Interests:

Operations Research, Transportation and Humanitarian Logistics, Network Optimization, Optimization algorithms, Integer Programming, Dynamic Programming

Journal papers:

- “[Pashapour, A.](#), Günneç, D., Salman, F. S., & Yücel, E. (2023). Capacitated Mobile Facility Location Problem with Mobile Demand: Efficient Relief Aid Provision to En Route Refugees”, **Revise&Resubmit**, Omega 2023
- “[Pashapour, A.](#), Günneç, D., Salman, F. S., & Yücel, E. (2023). Efficient Relief Aid Distribution to En Route Refugees Under Random Displacements: An Approximate Dynamic Programming Approach”, **Under Preparation**. 2023
- [Pashapour, A.](#), Salman, F. S., Yıldız, B., Karahalios, A., Tayur, S., Tenneti, A. (2023) An Agent-Based Model to Simulate the Community-wide Dynamics of First Responders and Evacuees in Post-Disaster Scenarios” **Under Preparation** 2023
- “Coskun, A., Salman, F. S., & [Pashapour, A.](#) (2023). Relief Item Inventory Planning Under Centralized and Decentralized Bilateral Cooperation of Emergency Response Agencies”, **Revise&Resubmit**, Socio-Economic Planning Sciences 2023
- “Karahalios, A., Tayur, S., Tenneti, A., [Pashapour, A.](#), Salman, F. S., Yıldız, B. (2023) A Quantum Inspired Bi-level Optimization Algorithm for the First Responder Network Design Problem”, **Under Review**, *Informatics Journal On Computing* 2023

Conference Papers:

- “Pashapour, A., Günneç, D., Salman, F. S., & Yücel, E. (2022). A Capacitated Mobile Facility Location Problem with Mobile Demand: Recurrent Service Provision to En Route Refugees. In INOC (pp. 1-6).” 2022

Ph.D. Thesis:

- “Optimal Aid Delivery Strategies in Humanitarian Logistics: Selective Studies” Supervisor: Prof. Sibel Salman present

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M.Sc. Thesis:

“Designing a blood distribution system using heterogeneous vehicles- A heuristic and robust optimization approach” Supervisor: Prof. Modarres 2020

B.Sc. Thesis:

“A Review about the application of scattered storage strategy in B2C online retailers’ warehouses”. Supervisor: Prof. Modarres 2018

Skills

Professional in software:

Python – CPLEX – MATLAB – VenSIM – NetLogo

Acquainted with:

Optimization Algorithms (Exact & Metaheuristics) – Simulation – Machine learning

Academic Experiences

Graduate School of Science & Engineering, KOÇ University, Istanbul, Turkey 2021-present

Teaching Assistant

- Applications of Operations Research – INDR 460 (Teaching & Programming optimization models in Python)
- Mathematical Programming – INDR 363 (Teaching & Programming optimization models in Python)

Department of Industrial Engineering, Sharif University of Technology, Tehran, Iran 2017-2020

Teaching Assistant

- Queueing Theory (Taking and Grading Quizzes)
- System Dynamics (Head TA of a project group)
- Quality Control (Taking and Grading Quizzes)

Honors and Awards

Winning the 1st place and prize at the 8th annual SC&LM workshop in 2023 CRSSCA – SC&LM Best Student Research Competition, Dalhousie University, Canada 2023

Attending (in-person) the Euro-Hope mini-conference at the University of Bath, School of Management, Bath, UK, as a speaker. 2023

Receiving the “Best Teaching Assistant (TA)” award from the Graduate School of Science & Engineering, KOÇ University. 2023

Attending (in-person) the Euro-Hope mini-conference in Istanbul, Turkey, as a speaker. 2022

Attending (online) the International Federation of Operational Research Societies 22nd conference (IFORS) as a speaker. 2021

Attaining a score of 99 on the TOEFL exam. (R:26 L:23 S:24 W:26) 2019

Attaining a score of 320 on the GRE exam. (V:150 Q:170 W:3.5) 2019

Ranked 3rd and exempted from M.Sc. entrance exam as an “Exceptionally Talented” student. 2018

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Voluntarily Work Experiences

Workshop presentations

- Modeling and optimization in Python- Introduction to Pyomo optimization package 2021
- A theoretical & and practical introduction to the Genetic Algorithm 2020

Founder of Opticode

2020

(A website designed for teaching and coding meta-heuristic algorithms (opticode.ir))

Shokouh English Language Institute, Tehran, Iran

2018

English Language Teacher (Teaching English for intermediate-level students)

Urmia, Iran

2017

Internship at Maral Sanat Javid Company (Department of Quality Control)

References

F. Sibel Salman, Professor in Network Models and Optimization

Tel: +90 (212) 3381707. Email: ssalman@ku.edu.tr

Dilek Günnec, Asst. Prof. in Network Optimization Models

Tel: +90 (216) 5649547. Email: dilek.gunnec@ozyegin.edu.tr

Eda Yücel, Asst. Prof. in Healthcare Operations and Facility Location,

Tel: +90 (312) 2904491. Email: e.yucel@etu.edu.tr

Mohammad Modarres Yazdi, Professor of Operations Research

Tel: (+98 21) 66165719. Email: modarres@sharif.edu

Kourosh Eshghi, Professor of Graph Theory, Mathematical Programming, Meta-heuristic Algorithms

Tel: (+98 21) 66165712. Email: eshghi@sharif.edu