

Personal Information:

Mohammad Abbasi

Ph.D. Candidate in Transportation and Logistics

University of Genova, Italy

Education:

Doctor of Philosophy in Transport and Logistics 2021 - present

University of Genoa, Genoa, Italy

- Dissertation: Dealing with maintenance disruption management in highway network and infrastructure
- Adviser: Prof. Davide Giglio & Prof. Alice Consilvio

Master of science in Industrial Engineering 2015 - 2018

University of Tehran, Tehran, Iran

- Adviser: Prof. Ali Azadeh & Dr. Mohamad Sadegh Sangari
- GPA: 17.19 out of 20

Bachelor of science in Industrial Engineering 2011 - 2015

University of Tehran, Tehran, Iran

- Adviser: Dr. Mohamad Sadegh Sangari
- GPA: 16.86 out of 20

Publication:

- Sangari, M.S, M. Abbasi (2017). "An integrated framework of enablers of supply chain alignment: A fuzzy DEMATEL approach" 2th International Conference on Industrial Management, Babolsar, Iran
- Babajani, R., M. Abbasi, A. T. Azar, M. Bastan, R. Yazdanparast and M. Hamid (2019). "Integrated safety and economic factors in a sand mine industry: a multivariate algorithm." International Journal of Computer Applications in Technology 60(4): 351-359.
- Abbasi, M., A. Consilvio and D. Giglio (2024). "A multi-objective optimization approach for disruption management in an intermodal freight transport network." Transportation Research Procedia **78**: 410-417.
- Abbasi, M., M.T. Bilal, A. Consilvio and D. Giglio (2025). "On planning highway maintenance considering the impact on traffic flow due to different work zone configurations ." Transportation Research Procedia. **Accepted**
- Abbasi, M., A. Consilvio, I. A. Hernández-González, P. Lopez-Arevalo and H. Alavi (2025). " On supporting traffic management decisions according to bridges structural health monitoring within a digital twin-oriented platform." Transportation Research Procedia. **Accepted**
- Abbasi, M., M.T. Bilal, A. Consilvio and D. Giglio (2025). " On minimizing the impact on traffic of maintenance work zones in a highway network." Transportation Engineering – (**Current work**)

Experiences:

Scientific Project participant

May 2023 - Present

OMICRON project, a Horizon 2020 European Project, University of Genoa

- Preliminary traffic and maintenance data analysis
- Traffic microsimulation
- Mathematical model optimization

Co-supervisor in Master's theses

July 2023

Title: "Simulation and optimization of highway maintenance: The A1 case study", University of Genoa, Italy

Co-supervisor in Master's theses

December 2023

Title: "Optimizing Road Maintenance Strategies: A Traffic-based Planning Approach", University of Genoa, Italy

Project Manager

2019 - 2021

Customer Service center improvement, Mofid Securities, Tehran, Iran,

- Teamwork and collaboration
- Data analysis
- Grant writing

Self-Employed

2018 - 2019

PLJ food industry, Karaj, Iran

- Project management
- FMCG supply chain management
- Continuous learning

Seminars and Conferences:

- 2nd ICEM (International Conference on Engineering Management), 19th – 20th April 2017, Babolsar (Iran)
- 14th IIEC (International Industrial Engineering Conference), 7th – 8th February 2018, Tehran (Iran)
- 15th IIEC, 23rd – 24th January 2019, Yazd (Iran)
- 25th EWGT (Euro Working Group on Transport) Conference, 6th – 8th September 2023, Santander (Spain)
- SIDT (Societa Italiana Docenti di Trasporti) seminar, 12th – 14th June 2024, Cagliari (Italy)
- 26th EWGT Conference, 4th – 6th September 2024, Lund (Sweden)
- 4th TIS (Transport Infrastructure and Systems) Roma Conference, 19th – 20th September 2024, Rome (Italy)

Skills:

Technical Skills:

- Mathematical modeling and optimization using CPLEX
- Data analysis Python, SPSS, and Weka

- Simulation approaches using PTV Vissim and Arena
- Project management using MSP

Soft Skills:

- Teamwork and collaboration
- Continuous learning
- Problem solving

Language Skills:

- **English:** Proficient
- **Persain:** Native language
- **Italian:** Beginner (Currently learning)