

Golman Rahmanifar

Nationality: Iranian



Email address: golman.rahmanifar@uniroma1.it



WORK EXPERIENCE

Teaching Assistant in Traffic System Engineering

Sapienza University of Rome [1 Jan 2022 – Current]

City: Rome

Country: Italy

- Assisted professors in teaching Traffic System Engineering courses, conducting lectures, and managing classroom activities. Reviewed student assignments and provided constructive feedback, ensuring a strong understanding of course material.
- Facilitated group discussions on topics including traffic flow theory, traffic signal system design.

Teaching Assistant in Transport Policy

Sapienza University of Rome [1 Feb 2023 – Current]

City: ROMA

- Assisted professor in the development and delivery of lectures on Transport Policy.
- Facilitated class discussions on topics such as public transport policy, urban transportation planning, and sustainable transportation.
- Collaborated with professors to create course materials, including syllabi, homework assignments, and exams. Assisted in guiding students in using transport planning software TransCAD.

Multi-Objective Optimization Internship

University of Jyväskylä [1 Jan 2021 – 1 Aug 2021]

City: Jyväskylä

Country: Finland

- Implementing IBEA metho in DESDEO software (Open-source software framework for interactive multi-objective optimizationmethods).
- Implementing PBEA in DESDEO software .
- Weekly presentation and give a summary of recent publication in Multi-Objective Optimization.

Assistant Researcher in distribution and production optimization

Smart and Sustainable Logistics Laboratory at Tecnológico de Monterrey [1 Jan 2021 – Current]

City: Mexico City

Country: Mexico

- Heuristic approaches to address vehicle routing problem in the Iot-based waste management system.An allocation-routing optimization model for integrated solid waste management.
- A Dynamic Approach for Multi-Compartment Vehicle Routing Problem in Waste Management
- A Two-Echelon Vehicle Routing Problem Considering Temporal Capacity for Synchronization in Waste Collection System an Integrated Location and Routing Formulation for Cold Chain Logistics Network with Heterogeneous Customer Demand A Three-Step Waste Management System By Designing A Sustainable Supply Chain And Dynamic Routing
- Proposing A Locating-Routing Optimization Model for Two Echelon Electric Vehicle Routing Problem A Meta Heuristic Approach for Multi-Period Dynamic Electric Vehicle Production Routing Problem
- Designing A Multi-Period Dynamic Electric Vehicle Production-Routing Problem in A Supply Chain Considering Energy Consumption

Supply Chain Planning Supervisor

Solico Group-Food manufacturing company [1 Feb 2017 – 1 Sep 2019]

Country: Iran

- Led the supply chain planning team in managing demand forecasting, inventory control, and production scheduling, ensuring operational efficiency and customer satisfaction.
- Collaborated with cross-functional teams including sales, operations, and procurement to align demand forecast and supplyplanning, effectively meeting business targets.
- Utilized key performance indicators (KPIs) and advanced planning systems to improve forecast accuracy, optimize inventory.

Production and Operations Control Department Supervisor

Beryan Goosht [1 Jun 2014 – 1 Jan 2017]

Country: Iran

- Directed daily operations, ensuring the smooth functioning of production lines and adherence to established schedules and quality standards.
- Implemented process improvements and operational strategies to enhance productivity, reduce costs, and ensure the continuous delivery of high-quality products.

Regional B2B Sales and Marketing Supervisor

Solico Group-Food manufacturing company [1 Apr 2012 – 1 Jun 2014]

Country: Iran

- Developed and implemented strategic B2B marketing plans to generate leads, boost sales, and increase brand awareness in the regional market.
- Analyzed regional market trends and customer needs to refine sales and marketing strategies, fostering strong relationships with key business clients.

EDUCATION AND TRAINING

Ph.D. Student in Infrastructures and Transportation engineering. Jan 2022-present

The Sapienza University of Rome, QS ranking=171 [1 Jan 2022 – Current]

Address: ROMA (Italy)

Website: https://phd.uniroma1.it/web/GOLMAN-RAHMANIFAR_nP1755966_EN.aspx

Thesis: Solving large-scale dynamic vehicle routing problems with Stochastic requests and Travel Times under supervision of Professor Gaetano Fusco and Professor Chiara Colombaroni

Master's Degree in Transportation System Engineering.

The Sapienza University of Rome, QS ranking=171 [25 Sep 2019 – 29 Jul 2021]

Address: ROMA (Italy)

Final grade: 110 e lode

Thesis: A Dynamic vehicle routing problem in Optimization of waste collection under supervision of Professor Gaetano Fusco, Professor Chiara Colombaroni

Erasmus student for 5 months , University of Zilina, Zilina, Slovakia.

Erasmus Internship at Multi-Objective Optimization at University of Jyväskylä, Finland for 5 months

Remote Researcher in Smart and Sustainable Logistics at Tecnológico de Monterrey university

Master's Degree in Socio-Economics Systems Engineering

Mazandaran University of Science and Technology. [1 Sep 2011 – 1 Aug 2014]

Field(s) of study: Engineering, manufacturing, and construction

Final grade: 110 e lode

Thesis: simulation of inventory level in supply chain management

Bachelor's degree in industrial engineering

Shomal University [1 Sep 2008 – 1 Sep 2012]

LANGUAGE SKILLS

Mother tongue(s): **Persian**

language(s):

English

LISTENING B2 READING B2 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Italian

LISTENING A1 READING A2 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

DIGITAL SKILLS

MATLAB (Independent user) / Python 3.8. / PTV VISUM Software / TransCAD / QGIS (Foundation of geoinformation systems) / Machine learning / Statistical Analysis (SPSS, R) / Minitab for statistical analysis (Basic) / Microsoft Office Suite (Word, Excel, Outlook, PowerPoint, SharePoint...)

PUBLICATIONS

[Heuristic approaches to address vehicle routing problem in the IoT-based waste management system](#)

[2023]

Expert Systems with Applications- CiteScore = 12.2 and Impact Factor=8.665 Q1

Rahmanifar, G., Mohammadi, M., Sherafat, A., Hajiaghaei-Keshteli, M., Fusco, G., & Colombaroni, C. (2023). Heuristic approaches to address vehicle routing problem in the IoT-based waste management system. *Expert Systems with Applications*, 220, 119708. <https://doi.org/10.1016/J.ESWA.2023.119708>

[An allocation-routing optimization model for integrated solid waste management](#)

[2023]

Expert Systems with Applications- CiteScore = 12.2 and Impact Factor=8.665 Q1

Hashemi-Amiri, O., Mohammadi, M., Rahmanifar, G., Hajiaghaei-Keshteli, M., Fusco, G., & Colombaroni, C. (2023). An allocation-routing optimization model for integrated solid waste management. *Expert Systems with Applications*, 227, 120364. <https://doi.org/10.1016/J.ESWA.2023.120364>

[Makespan minimizing on multiple travel salesman problem with a learning effect of visiting time.](#)

[2021]

WSEAS Transactions on Systems and Control Journal

Colombaroni, C., Mohammadi, M., & Rahmanifar, G. (2020). Makespan minimizing on multiple travel salesman problem with a learning effect of visiting time. *WSEAS Transactions on Systems and Control*, 15, 508–526. <https://doi.org/10.37394/23203.2020.15.50>

CONFERENCES AND SEMINARS

summer school in MIT center of Zaragoza Logistics Center

[Zaragoza Logistics Center-Spain]

Artificial Intelligence in transport and logistics applications

SIDT - Società Italiana Docenti di Trasporti

[University of Geneva, 17 Jun 2023]

Having a presentation regarding A Simulation-Optimization Framework for Electric Vehicles Routing Problem with Time Window And Charging Station

Logistic and supply chain management

[Remote]

Non-Linear Multi objective Optimization

[Jyvaskyla University of Finland, 1 Mar 2021]

EFQM excellent model, Tuv Rhineland

[Iran University of Science and Technology (IUST)]

HONOURS AND AWARDS

Sapienza University Tutorship Award for Traffic system Engineering

Sapienza University of Rome [1 Mar 2022]

Erasmus Internship scholarship at Jyvaskyla university of Finland for 6 months

Sapienza University of Rome and Jyvaskyla university of Finland [1 Jan 2021]

scholarship for Erasmus study at University of Zilina

Sapienza University of Rome [1 Sep 2021]

The highest GPA master student award at Mazandaran University of Science and Technology

Mazandaran University of Science and Technology [1 Sep 2014]