

Alice Consilvio

Associate Professor of Transportation Engineering

ACADEMIC POSITIONS

Since December 2024

Associate Professor of Transportation Engineering

Teacher of the courses:

- Safe and Reliable Transport Systems and Networks
- Sustainable Rail and Road Infrastructure

within the Master of Science in Safe Transport and Logistics Engineering

- Sistemi di Trasporto e Infrastrutture Viarie

within the bachelor's degree in Ingegneria Civile, Edile e Ambientale.

DIME (Department of Mechanical, Energy, Management and Transportation Engineering),
Polytechnic School, University of Genova

From December 2021 to November 2024

Tenure-track Assistant Professor of Transportation Engineering

Main research topics: disruption management in road and rail transport; risk analysis in transport network and infrastructure, predictive maintenance of road and railway infrastructure, multimodal transport solutions, intelligent decision support systems.

DIME (Department of Mechanical, Energy, Management and Transportation Engineering),
Polytechnic School, University of Genova

From July 2019 to November 2021

Non-tenured Assistant Professor of Transportation Engineering

Main research topics: rail transport operation and management, disruption management, multimodal transport solutions, predictive maintenance of road and railway infrastructure, risk analysis in transport infrastructure.

DIME (Department of Mechanical, Energy, Management and Transportation Engineering),
Polytechnic School, University of Genova

From Nov 2017 to Jun 2019

Research Fellow of Transportation Engineering

Research activities in collaboration with Hitachi Rail STS.

DIME (Department of Mechanical, Energy, Management and Transportation Engineering),
Polytechnic School, University of Genova

ACADEMIC APPOINTMENTS

Ph.D. committee member of the PhD course “Marine Science and Technologies”, curriculum “Logistics and Transport” (XXXVI, and XXXVII, XXXVIII, XXXIX, XL cycles)

Centro del Mare, University of Genova

Member of “Commissione paritetica docenti-studenti di scuola”

Polytechnic School, University of Genova

Member of CIELI (Italian Centre of Excellence on Logistics, Transports, and Infrastructures)
University of Genova

Member of SIDT (Italian Society of Transportation Faculty)

EDUCATION AND TRAINING

May 2018

PhD degree in Transportation Systems and Logistics Engineering

Thesis title: "Risk-Based Optimal Scheduling for Railway Predictive Maintenance"

Research activities in collaboration with Hitachi Rail STS.

Polytechnic School, University of Genova, Italy

December 2011

Master of Science degree in Transportation and Logistics Engineering, summa cum laude

Thesis title "Application of rail transport to the urban distribution of goods in Genova Italian city"

Polytechnic School, University of Genova, Italy

March 2009

Bachelor's degree in Civil and Environmental Engineering, summa cum laude

Thesis title "Application of rail transport to the urban distribution of goods in Genova Italian city"

Polytechnic School, University of Genova, Italy

EXPERIENCE

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

2021-2025

Principal Investigator of the Horizon2020 project OMICRON "Towards a more automated and optimized maintenance, renewal and upgrade of roads by means of robotised technologies and intelligent decision support tools"

Grant Agreement number 955269

Website: <https://cordis.europa.eu/project/id/955269>

2020-2024

Member of the coordination team of the ERASMUS+ KA2 project STAFFER "Skill Training Alliance For the Future European Rail system"

Grant Agreement number 621684

Website: <https://ec.europa.eu/programmes/erasmus-plus/projects/eplu-project-details/#project/621684-EPP-1-2020-1-IT-EPPKA2-SSA-B>

PARTICIPATION IN RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

- NEXUS "Next-gen technologies for enhanced metro operations, ERJU project, Grant Agreement number 101177985, duration: 2024-2026.
Website: <https://nexus-heproject.eu/>
- ACADEMICS4RAIL "Building a community of railway scientific researchers and academia for ERJU and enabling a network of PhDs (academia teaming with industry)", Grant Agreement number 101121842, duration: 2023-2027.
Website: <https://www.academics4rail.eu/>

- DAYDREAMS “Development of prescriptive Analytics based on artificial intelligence for iAMS” Shift2Rail Project, Grant Agreement number 101008913, duration: 2020-2023. Website: <https://cordis.europa.eu/project/id/101008913>
- EXTENSIVE “Extending the attractiveness of transport for travellers and providing SaaS solution” Shift2Rail Project, Grant Agreement number 101015462, duration: 2020-2023. Website: <https://cordis.europa.eu/project/id/101015462>
- IN2SMART2 “Intelligent Innovative Smart Maintenance of Assets by integrated Technologies 2”, Shift2Rail Project Grant Agreement number 881574, duration 2019-2022. Website: <https://cordis.europa.eu/project/id/881574//it>
- CONNECTIVE “Connecting and Analysing the Digital Transport Ecosystem” Shift2Rail Project Grant Shift2Rail Project Agreement number 777522, duration: 2017-2022 Website: <https://cordis.europa.eu/project/id/777522>
- IN2SMART “Intelligent Innovative Smart Maintenance of Assets by integrated Technologies”, Shift2Rail Project Grant Agreement number 730569, duration: 2016-2019 Website: <https://cordis.europa.eu/project/id/730569//it>
- IN2RAIL “Innovative Intelligent Rail” H2020 project Grant Agreement number 635900, duration: 2015-2018, Website: <https://cordis.europa.eu/project/id/635900//it>
- RCMS “Rethinking Container Management Systems”, Grant Agreement numero 636158, duration: 2015-2017, Website: <https://cordis.europa.eu/project/id/636158>

RESEARCH PERIOD ABROAD

European Commission Directorate-General For Mobility and Transport, Directorate B Investment, Innovative & Sustainable Transport, B.3 Innovation and Research, Rue Jean-André de Mot 28, Brussels, Belgium, from April to July 2017.

GUEST EDITOR

- Special Issue ‘Sustainable traffic operations and mobility services’ of the Sustainability Journal (ISSN 2071-1050, IF 2576) MDPI, October 2021 https://www.mdpi.com/journal/sustainability/special_issues/Traffic_Operations_Mobility_Services
- Special Issue “MULTIMODAL, SUSTAINABLE AND RESILIENT SOLUTIONS FOR MOBILITY AND TRANSPORT – SIDT 2022” of the “Case studies on transport policy” Journal, ELSEVIER, December 2023. <https://www.sciencedirect.com/science/article/pii/S2213624X2300158X?via%3Dihub>

PUBLICATIONS

Complete list at <https://iris.unige.it/browse?authority=rp11384&type=author>

Genoa, July 24th, 2025