

Elvezia Maria Cepolina

Permanent Researcher

EDUCATION AND TRAINING

Classical high school diploma;
Master's Degree in Civil Engineering (University of Genoa, 1998);
Ph.D. in Transport Engineering and Economics (University of Genoa, 2002);
Consultant for the Municipality of Genoa, Department of Mobility, Transport, and Parking (1999–2000)

ACADEMIC EXPERIENCE

Winner of the national competition for a permanent researcher position in the disciplinary field ICAR/05 - Transport at the University of Pisa.
Researcher in ICAR/05 - Transport at the Department of Civil and Industrial Engineering, University of Pisa (UNIPi) from 2002 to 2017.
Transferred from the University of Pisa to the University of Genoa through a mutual exchange agreement, January 2018.
Researcher in ICAR/05 - Transport at the Department of Political and International Sciences, University of Genoa (UNIGE) from 2018 to 2023.
Researcher in IIND-05/A - Mechanical Industrial Systems at the Department of Mechanical, Energy, Management and Transport Engineering (DIME), University of Genoa (UNIGE) from 2023 to present.

ACADEMIC POSITIONS

Former member of the Ph.D. Board in Industrial Engineering, University of Pisa.
Deputy coordinator of the PhD Program *PLADEM – PhD in Planning and Decision Methods*.
Member of the International Program Committee of the PhD in Strategic Engineering and Decision Making.

RESEARCH PROJECT LEADERSHIP

Scientific responsibility for national and international research projects funded through peer-reviewed competitive calls

- Participant for UNIGE in the RAISE project | Robotics and AI for Socio-economic Empowerment, Spoke 1: Urban technologies for inclusive engagement (01.10.2022–28.02.2026).
- Scientific coordinator for UNIGE for the H2020-DT-ART-2019 European project: **SHOW – SHared automation Operating models for Worldwide adoption** (01.01.2020–31.12.2023).
- Participant in the ALACRES2 project: Advanced Laboratory Service for Crisis and Emergency, in the Upper Tyrrhenian cooperation space, based on Simulation – Interreg Maritime IT-FR.



- Participant in the EULEP project – European Learning Experience Platform – Erasmus+.
- Participant in the ACTAEXMORE project – Advanced CBRNe, TIM/TIC Analysis by Extended Reality, MSIntelligent Review – National Military Research Plan (PNRM), Ministry of Defense.
- Participant in the I4D3A2 project, funded by Inail, on the use of extended reality solutions in Port Facilities to improve operational safety.
- Participant for UNIGE in the PRIN 2017 project: **The One Belt - One Road (OBOR) Initiative: Legal Issues and Effects on the Financing and Development of Maritime and Multimodal Infrastructures by Chinese Investors in Italy** (3-year duration).
- Scientific coordinator for UNIFI for the project: **ICT SOLUTIONS FOR A SMART FREIGHT TRANSPORT SERVICE**, acronym *eQuality for Logistics*, Green Supply Chain, RSI Call 1, Sviluppo Toscana (2016–2019).
- Coordinator and scientific lead for the international research project: **Pedestrian Simulation Contrasted with Reality**, MIT-UNIFI project (01.01.2015–01.09.2016).
- Coordinator and scientific lead for the project: **Analysis and simulation of pedestrian behavior for the design of accessible environments**, funded under University Research Projects – PRA 2015 (04.03.2015–09.05.2016).
- Coordinator and scientific lead for UNIFI of the FP7-SST-2011-RTD-1 European research project: **Freight Urban RoBOTic vehicle** (01.11.2011–31.12.2015).
- Scientific lead for UNIFI for the FP7-SST-2008-RTD-1 European research project: **Personal Intelligent City Accessible Vehicle System** (01.08.2009–30.09.2012).
- Scientific lead as Overseas Scientist of the international project: **SPIRAL**, International Joint Project - 2004/R3-EU Europe (ESEP), funded by the Royal Society, UK (04.08.2004–03.08.2006).
- Participant in the **PAMELA** project, funded by the Engineering and Physical Sciences Research Council (EPSRC), UK, 2003 – still used as a research launch platform.
- Participant in the project **Evaluating Measures to Enhance the Mobility of Older and Disabled People**, funded by the Department for Transport (DfT), UK, 2002–2003.
- Participant in the project **TARGET – Trendsetting Accessibility Research Group in Engineering and Transport**, Platform Grant, funded by EPSRC, UK, from 2002.

TEACHING AND RESEARCH FELLOWSHIPS AT FOREIGN OR INTERNATIONAL INSTITUTIONS

Research Fellow, Centre for Transport Studies, University College London, UK (2002).

Research stay at Massachusetts Institute of Technology (MIT), USA (2015).

AWARDS AND RECOGNITIONS FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP IN PRESTIGIOUS ACADEMIES

In 2022, the paper by Malisetty V. A. B., Cepolina E. M., and Zoppi M. "*The use of autonomous coupling capable trailer to reduce the cost per delivery and increase profit for logistic companies: a simulative analysis*" received the **Best Paper Award** at "The 19th International Multidisciplinary Modelling & Simulation Multiconference I3M 2022" (September 19–21, 2022, Rome).

In 2018, the paper by Elvezia Cepolina and Ilaria Giusti et al. "*Simulative analysis for performance measurement of RFID implementations in cargo handler logistics*" received the **Best Paper Award** at "The 15th International Multidisciplinary Modelling & Simulation Multiconference I3M 2018" (September 17–19, 2018, Budapest).

In 2016, awarded **Second Place, Road**, at **EU Champions of Transport Research 2016**.

In 2013, received a "Young Talent" certificate of merit from the University of Pisa for research activity.

In 2004, awarded the title of **Honorary Research Fellow** by University College London.

In October 2003, recognized as a **Recognised Researcher** by the Engineering and Physical Sciences Research Council (EPSRC) within the PAMELA project.

OTHER QUALIFICATIONS

National Scientific Qualification (ASN), Associate Professor (Second Tier), 08/A3 - TRANSPORT INFRASTRUCTURES AND SYSTEMS, APPRAISAL AND VALUATION – obtained in 2012, 2013.

ASN, Associate Professor (Second Tier), 08/A3 - TRANSPORT INFRASTRUCTURES AND SYSTEMS, APPRAISAL AND VALUATION – obtained in 2018.

ASN, Associate Professor (Second Tier), 09/B2 - MECHANICAL INDUSTRIAL SYSTEMS – obtained in 2021.

Member of **CIELI (Italian Center of Excellence in Logistics, Transport and Infrastructure)**, University of Genoa.

Track Chair for sessions at the **International Multidisciplinary Modeling & Simulation Multiconference I3M** in the years 2013, 2014, 2015, and 2025.

Member of the IPC (International Program Committee) of the **HMS Conference**:
<https://www.msc-les.org/hms2025/about/>