

6.5 DAYS · IN PERSON · ENGLISH

AI in Mobility

Equipping Leaders to Evaluate, Implement, and Govern AI Applications in Transportation

COURSE DATE

2027-01-28–2027-02-05

PRICE

€1,300

VAT-exempt

ENROLLMENT DEADLINE

2027-01-27

FORMAT	In person	LANGUAGE	English
DURATION	6.5 days	LOCATION	Berlin · EUREF-Campus 9 10829 Berlin
CERTIFICATE	Certificate of Professional Education of TU Berlin & EIT Urban Mobility (6 ECTS)		

ECTS CREDITS **BEGINNERS**

Course Overview

AI is reshaping how mobility systems are planned, operated, and governed. This course equips participants with the knowledge and strategic tools to evaluate, implement, and govern AI applications in the mobility sector. Combining technical foundations with practical exercises and industry perspectives, the module bridges the gap between AI concepts and management decisions.

Course Content

OVERVIEW

- **Foundations:** AI as mobility infrastructure, machine learning, generative AI, Large Language Models (LLMs), and data readiness
- **Business & Strategy:** AI applications in mobility (e.g. forecasting, optimization, autonomy), AI-enabled business models, implementation strategies, and build vs. buy vs. partner decisions
- **Responsible AI:** Sustainable mobility, governance, ethics, and the EU AI Act
- **Practical Learning:** Hands-on exercises, applied projects, industry case studies, and guest lectures

Learning Goals

After completing this module, participants will be able to:

- Understand the fundamentals of artificial intelligence, machine learning, generative AI, and Large Language Models (LLMs)
- Identify high-impact AI applications across the mobility sector and evaluate their potential to create business, operational, and societal value
- Apply LLMs and prompt engineering techniques to enhance analysis, problem-solving, and managerial decision-making
- Assess AI-enabled business models and implementation strategies for mobility organizations
- Make informed and responsible decisions about AI adoption, considering sustainability, governance, and ethical implications

Participation & Requirements

TARGET GROUP

This course is designed for professionals interested in the strategic application of AI in mobility. It is particularly suited for current and future managers, consultants, entrepreneurs, and public-sector professionals who work with or commission AI-driven solutions.

PRIOR KNOWLEDGE

No technical background (programming or data science experience) is required. Participants should have an interest in mobility, digital innovation, and emerging technologies.

CERTIFICATE DETAILS

Certificate of Professional Education of TU Berlin & EIT Urban Mobility (6 ECTS)

Instructors

Prof. Dr. Hamid Mostofi

Prof. Dr. Hamid Mostofi is a professor of data science and artificial intelligence at SRH Berlin University of Applied Sciences and a senior researcher and project manager at TU Berlin, focusing on the application of AI in business and socioeconomic contexts.

His research interest lies in the application of data science techniques and artificial intelligence to sustainability concepts, taking into account social acceptance, perception, and attitude, as well as socio-economic factors.

He completed his PhD at TU Berlin with the grade "Summa cum laude." During his PhD, he worked as a research assistant at TU Berlin and was involved in the projects by the Federal Ministry for the Environment (BMU) and Federal Ministry for Economic Affairs and Climate Action (BMWK).

Currently he is the work package leader of MDZT (Mittelstand-Digital Zentrum Tourismus) funded by Federal Ministry of Economic Affairs and Energy BMWF since 2024 which is working on empowering SMEs by application of AI and digitalisation in Germany. Also, he was the visiting researcher by the University of California, Berkeley (UC Berkeley).

QUESTIONS ABOUT THIS COURSE?

Register Now

<https://academy-tu.berlin/en/courses/short/engineering-mobility/ai-in-mobility>

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No prior IT knowledge required



QR code to the course page



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