

Gaetano Fusco is Full Professor of Transportation Engineering at the Faculty of Engineering of Sapienza University of Rome, where he teaches “Traffic Engineering and Intelligent Transportation Systems”. He was Assistant Professor from 1992 to 2005 and Associate Professor from 2005 to 2022.

At Sapienza, he is President of the Master’s Degree Program in Transport Systems Engineering and former Director of the Interdepartmental Research Center for Transport and Logistics.

He is the National Coordinator of the “Urban Mobility” Spoke of the National Center for Sustainable Mobility (MOST), an initiative bringing together 24 universities, the National Research Council (CNR), and 24 major Italian companies, with the mission of developing modern, sustainable and inclusive mobility solutions for the entire national territory.

He contributes to the coordination and governance of MOST as a member of the Spoke Coordination Committee and as the Rector’s delegate to the General Assembly.

Gaetano Fusco has been Principal Investigator of several publicly funded research projects and Scientific Coordinator of numerous studies and projects funded by private companies.

His research activity, documented in about 90 papers published in national and international scientific journals and conference proceedings, covers transport systems modelling, traffic flow theory, public transport planning and design, and Intelligent Transportation Systems. His research has progressively focused on data-driven methods for mobility analysis, dynamic traffic modelling and simulation, traffic control and traveler information systems. More recently, his work has addressed Smart Urban Mobility, integrating big data, traffic simulation and artificial intelligence into Digital Twins and decision-support platforms for real-time traffic monitoring, prediction and control, with applications to connected and automated mobility and Smart Roads.