

PLENARY LECTURE

TRANSFORMING PUBLIC TRANSPORT: EFFICIENT FIRST- AND LAST-MILE SOLUTIONS ACROSS SPATIAL SCALES

Gonçalo H. A. Correia

Section head Transport, Mobility and Logistics (TML), Department of Transport & Planning, TU Delft, Netherlands

Summary: Achieving transport sustainability centers on creating seamless, multimodal public transport networks that effectively align supply and demand. While high-capacity modes like rail and buses excel in serving peak hours and high-demand corridors, a single-mode system cannot efficiently address all passenger needs across varying times and locations. First- and last-mile solutions are pivotal in bridging this gap, ensuring broader accessibility to mass transit, particularly in low-demand areas and off-peak periods. In this keynote, Dr. Gonçalo Correia will explore innovative first- and last-mile solutions, highlighting the roles of cycling, mobility hubs, ride-hailing, and shared electric automated vehicles. Drawing on real-world case studies from diverse spatial scales and contexts, he will examine the challenges and opportunities these modes present. The discussion will underscore how these solutions can integrate with high-capacity modes to create resilient, user-centric transport systems. The session will conclude with a forward-looking perspective on the critical considerations and transformative opportunities shaping the future of public transport.