

Current Trends and Future Perspectives on Sustainable and Smart Mobility



ERAdiate
LECTURE SERIES



Abstract

The decarbonisation of the transport sector, the enabling effect of digitalisation, and the tendency for urban densification and other technological and socio-economic factors are transforming the transport sector as we know it, leading to a diversification of mobility solutions and interventions. These changes are enabling human mobility to be more sustainable and smarter, putting the traveller at the centre of the stage.

Several aspects may be highlighted within the paradigm shift in the transport sector. In this lecture series, we focus on two relevant and interrelated trends, namely the evolving nature of travel time and the requirement for equity and accessibility.

Firstly, the importance of human needs is increasingly acknowledged as central, particularly in terms of improving the experience of travel. Everyday experience shows that a human mobility need is not only about going from “A” to “B”, but a much more complex and diverse set of activities to carry out while on the move, each of them with different underlying expectations and requirements. Accordingly, travel time is no longer regarded as a “waste of time” – hence, to be minimised – but rather time that can be used for something valuable to us.



ERAdiate
Enhancing Research and innovAtion dimensions
of the University of Žilina in intelligent transport
systems



ERAdiate project funded under
FP7 (contract no. 621386)



Secondly, the traveller is no longer assumed to be a 'he' who drives a car for daily commuting purposes. Children, women, older people and other disadvantaged or marginalised groups have unique transport needs and an equal right to have those needs met, safely, efficiently and comfortably.

The perspectives on sustainable and smart mobility systems that will be presented at the opening ERAdiate Lecture series may be synthesized with one keyword: diversity. Diversity both in the types of users and in terms of preferences to be addressed in designing or enhancing a transport system to make worth our use of time while travelling. Currents trends and future developments in this area will be explored, from different angles, by the invited speakers to stress the need for updating education and research agendas to adopt a richer, more holistic, traveller perspective in sustainable and smart mobility planning.

Programme

10.00: Opening by Prof. Milan Dado, ERAdiate Project Coordinator, Univ. of Žilina (Slovakia)

10.05: Introduction by Dr. Ghadir Pourhashem, ERAdiate Team Member, Univ. of Žilina (Slovakia)

10.20: ITS and ethical design in terms of ecological and social sustainability by Dr. Floridea di Ciommo, cambiaMO Cooperative Society (Spain)

10.50: Reasonable Travel Time: The Traveller's Perspective of Travel Time by Dr. Yannick Cornet, ERAdiate Team Member, Univ. of Žilina (Slovakia)

11.20: Outlook on Value of Travel Time: Futures Study and Related Hypotheses by Dr. Giuseppe Lugano, ERAdiate Team Member, Univ. of Žilina (Slovakia)

11.30: Panel Discussion

12.00: Closing



ERAdiate project funded under
FP7 (contract no. 621386)