



SPECIAL SESSION X

Transport systems and sustainable mobility

ORGANIZED AND CHAIRED BY

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The transport sector is a major contributor to environmental degradation in urban and suburban areas, in particular concerning air and noise pollution. Furthermore, transportation systems produce a significant percentage of greenhouse gases, contributing to global warming. In this context, sustainable mobility is an important objective for decision-makers, especially in densely populated areas, as also highlighted by the European Commission in the 'White Paper on Transport' and as supported by the European Green Deal. An important contribution to sustainable mobility can be made by the diffusion of electric vehicles and their effective use for the transport of people and goods. Another important topic is autonomous and connected vehicles and their ability to reduce pollution and congestion, as well as Mobility as a Service, capable of optimising the use of transport systems from an ever more intermodal perspective. In this context, the special session is directed to researchers and practitioners who want to share their research results and/or experiences about sustainable mobility. The topics of interest include, but are not limited to, the following:

- **Autonomous vehicles**
- **Connected vehicles**
- **Energy efficiency in transportation systems**
- **Electric vehicles**
- **Fuel Cell Electric Vehicles and hydrogen for automotive**
- **Mobility as a Service (MaaS)**
- **Rail and transit systems**
- **Environmental impacts**
- **Transport policies for sustainable mobility**
- **ITS for sustainable mobility**
- **Shared mobility systems**
- **Micro-mobility systems**
- **Smart and sustainable cities**