

## TRANSPORT SYSTEMS AND SUSTAINABLE MOBILITY

### ORGANIZED BY

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The transportation sector is a major contributor to environmental degradation in urban and suburban areas, particularly air and noise pollution. In addition, transportation systems produce a significant percentage of greenhouse gases, contributing to global warming. In this context, sustainable mobility is a key objective for policy makers at all spatial levels. An important contribution to sustainable mobility can be made by the spread of low- or zero-emission vehicles, such as electric or hybrid vehicles and hydrogen vehicles. In addition to the aspects related to vehicles and their motorization, another important topic is traffic and mobility management, starting with autonomous and connected vehicles, with their ability to reduce pollution and congestion, and ending with the paradigm of Mobility as a Service, capable of optimizing the use of transport systems in an increasingly intermodal perspective. Electrification for passenger and freight transport modes, from subways to high-speed railways to buses, trams and trolleybuses, is increasingly contributing to transportation sustainability. In this context, the special session is aimed at researchers and practitioners who wish to share the results of their research and/or experiences on 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