

## Special session proposal for IJCIEOM 2025 conference SPS6

**1. Session title:** Innovative Smart and Sustainable Mobility: findings from the research projects of the Italian National Centre for Sustainable Mobility - MOST

### **2. Session objectives:**

This session deals with the topics of the research and innovation programs of MOST, encompassing all its 14 Spokes. These Spokes address high technology readiness level initiatives related to sustainable mobility, focusing on market-driven solutions and long-term strategic technologies, supported by state-of-the-art infrastructure and laboratories.

We welcome submissions that cover the following research topics:

- Spoke 1: Air Mobility – Pioneering sustainable and efficient solutions for aviation.
- Spoke 2: Sustainable Road Vehicles – Developing next-generation, eco-friendly vehicles.
- Spoke 3: Maritime Transport – Innovating technologies for sustainable sea transportation.
- Spoke 4: Railway Transport – Advancing efficiency and sustainability in rail systems.
- Spoke 5: Light Vehicles and Active Mobility – Promoting micromobility and active transport modes.
- Spoke 6: Connected and Autonomous Vehicles (CAV) – Driving the future of self-driving and networked vehicles.
- Spoke 7: Cooperative Connected and Automated Mobility (CCAM) and Smart Road Infrastructure – Enhancing traffic safety, efficiency, and resilience.
- Spoke 8: Mobility as a Service (MaaS) and Innovative Services – Transforming access to transport through integrated platforms.
- Spoke 9: Urban Mobility – Designing sustainable mobility solutions for cities.
- Spoke 10: Freight Transport and Logistics – Optimizing goods movement and logistics systems.
- Spoke 11: Innovative Materials and Lightweight Solutions – Creating advanced materials for mobility applications.
- Spoke 12: Innovative Propulsion Systems – Focusing on next-generation propulsion technologies.
- Spoke 13: Electric Drive Systems and Batteries – Pushing the boundaries of electric mobility.
- Spoke 14: Hydrogen and New Fuels – Exploring alternative energy sources for future mobility

**3. Organizer(s):**



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*"Redesigning industrial systems towards a Sustainable, Resilient, and Human-Centric future in the digital era"*

- Michele Ottomanelli, Polytechnic University of Bari, [michele.ottomanelli@poliba.it](mailto:michele.ottomanelli@poliba.it)
- Mario Binetti, Polytechnic University of Bari, [mario.binetti@poliba.it](mailto:mario.binetti@poliba.it)
- Nadia Giuffrida, Polytechnic University of Bari, [nadia.giuffrida@poliba.it](mailto:nadia.giuffrida@poliba.it)
- Margherita Mascia, Polytechnic University of Bari, [margherita.mascia@poliba.it](mailto:margherita.mascia@poliba.it)
- Simona De Bartolomeo, Polytechnic University of Bari, [simona.debartolomeo@poliba.it](mailto:simona.debartolomeo@poliba.it)