

Code: mm885

Title: AI Innovation in Autonomous Technologies for Smart Logistics

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Session Description

The rapid development of autonomous technologies is driving the transformation of the logistics sector. Amongst new approaches toward intelligent and efficient transportation, the emergence of using Unmanned Aerial Vehicles (UAV's) is developing new models for smart and greener logistics.

In this context, it is necessary to develop new technologies, concepts, and resources focused on safely and efficiently integrating these vehicles in logistic overall processes. In addition, Investigations into how emerging technology such as artificial intelligence (AI), robotics, and computer vision could pave the way for digital transformation for smarter and sustainable logistics are gaining a lot of attention.

Furthermore, logistics, monitoring, inspections, recreational activities, and emergency services applications are growing daily and demand new operation, management, and control models to ensure safety, quality, efficiency, and sustainability. Thus, this interdisciplinary session aims to explore innovative technologies in Artificial Intelligence and Data Analytics that can boost these operations.

Topics of interest include, but are not limited to:

- Drone Traffic Management
- Autonomy and Automation
- Autonomous navigation and trajectory planning
- Applications in Critical Services
- Regulatory and Safety Aspects
- Sustainability and Energy Efficiency
- AI-Driven Solutions for Smart Logistics