

Special Issue

Sustainable Intelligent Transport Systems: AI-Driven Multi-Modal Fusion for Green Development

Message from the Guest Editors

Modern transportation systems, encompassing road, maritime, aviation, and logistics networks, serve as critical arteries for global economic activities and societal well-being. The rapid evolution of large-scale data collection technologies (e.g., IoT sensors, mobile trajectories) and breakthroughs in artificial intelligence (AI) have opened new frontiers for addressing long-standing challenges in traffic flow optimization, intermodal coordination, and sustainability. With the acceleration of global urbanization and the intensification of the climate crisis, transportation systems are facing multidimensional challenges: low efficiency of multimodal collaboration, high carbon emissions and energy waste, uncertainty regarding user behaviors, aging transportation infrastructure, and driving safety issues for the elderly. This Special Issue focuses on the innovative applications of data-driven and artificial intelligence technology in multimodal transportation systems.

Guest Editors

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Editor-in-Chief

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