Special Issue

Artificial Intelligence in Sustainable Transportation

Message from the Guest Editors

Artificial intelligence (AI) has emerged as a transformative technology, poised to revolutionize the transportation sector via optimizing systems, reducing emissions, and enhancing the overall travel experience. AI-powered solutions hold immense potential to revolutionize the landscape of sustainable transportation, thus enabling innovative strategies and technologies that can drive the transition towards a greener, more efficient, and environmentally responsible mobility ecosystem.

- Al and Big data applications in the sustainable transportation.
- Al applications for traffic management and optimization
- Al-powered optimization of the shared mobility service.
- Al applications in freight transportation.
- Al-based solutions for multi-modal transportation integration and optimization.
- Al-based optimization of new energy vehicle operations and charging infrastructure.
- Al-assisted pollutant emissions reduction strategies for transportation systems.
- Al-based perception from infrastructure
- Cooperative energy management and optimization for new mobility means.
- Al-based traffic accident causal analysis.
- Connected and autonomous vehicles for green transportation

Guest Editors

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Deadline for manuscript submissions

closed (10 November 2025)



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Editor-in-Chief

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