

Special Issue

Intelligent Transport System and Sustainable Traffic Management

Message from the Guest Editors

The rapid advancement of big data and artificial intelligence (AI) has significantly impacted the field of transportation, and the growing availability of large-scale, multi-modal traffic data, combined with powerful AI-based analytical tools, is transforming transportation systems and reshaping our ability to make data-driven decisions in this field. We seek innovative methods and solutions that address the inherent challenges of processing complex, high-dimensional transportation data, improving predictive accuracy with AI models, and enhancing the reliability of optimized traffic solutions. Key topics include, but are not limited to:

- Big data and artificial intelligence applications in transportation;
- Spatio-temporal big data analytics in transportation;
- Traffic flow data imputation and prediction in transportation systems;
- Multi-modal traffic data analytics;
- Data-driven approaches in traffic optimization;
- Traffic data mining;
- Transportation engineering;
- Traffic management using AI-based techniques;
- Emerging technologies in railway, road, and urban rail transit systems;
- Multimodal transport systems.

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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