

Special Issue

Data-Driven Approaches for Traffic Safety and Road Risk Management

Message from the Guest Editors

Transportation safety is a fundamental component of sustainable, resilient, and efficient mobility systems. With advances in sensing technologies, connected vehicles, intelligent infrastructure, and large-scale mobility data, traffic safety research is shifting from traditional statistical analysis toward data-driven and predictive approaches. Advanced machine/deep learning, artificial intelligence, and data fusion techniques now enable crash risk prediction at fine spatial and temporal resolutions, such as road segments, intersections, and individual traffic conflicts, while also supporting real-time visualization, interpretation, and management of road safety risks through online platforms and digital twin environments. This Special Issue welcomes original research articles and review papers focusing on data-driven methodologies for traffic safety analysis, crash prevention, and road risk management. We particularly encourage studies that integrate emerging data sources, advanced analytical methods, and practical safety applications to support proactive and interpretable decision-making for transportation agencies, infrastructure operators, and mobility service providers.

Guest Editors

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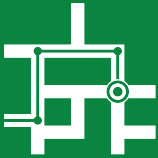


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About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or a comprehensive review article for publication in *Future Transportation*, an international, open access, and peer-reviewed journal that provides an advanced forum for research findings in areas related to the technologies, sustainability, and emerging trends in transportation. *Future Transportation* publishes original research articles, review articles, and communications. I am confident that you will find the journal to be a premier outlet for research fueling the revolution involving electrification, autonomous driving, micro-mobility, and other novel as well shared transportation modes, in addition to the digital infrastructure supporting these aspects.

Editor-in-Chief

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