

Special Issue

Advancements in Traffic Simulation, Calibration, and Optimization for Future Transportation Systems

Message from the Guest Editors

In the context of the accelerated development of urban areas, digitization and the increasing need for sustainable traffic solutions, advanced methods of traffic simulation and optimization are becoming key tools for planning and managing traffic systems. This Special Issue aims to bring together the latest research, innovative methodologies and practical applications that contribute to a better understanding of the future transport systems. Topics of interest include, but are not limited to:

- microscopic, mesoscopic and macroscopic traffic simulation models;
- machine learning and deep learning into traffic models;
- methods of calibration and validation of simulation tools;
- optimization of traffic flows and traffic management in real time;
- modeling and simulation of autonomous and connected vehicles;
- analysis of large sets of traffic data (big data);
- navigation information systems;
- application of digital twins in transport systems;
- optimization of public transport and multimodal systems;
- the impact of transport policies on sustainability and the environment;

Guest Editors

Dr. Predrag Brlek

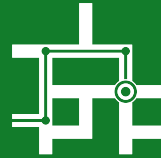
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About the Journal

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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