Special Issue

Traffic Flow Modelling and Simulation for Safe and Sustainable Transportation

Message from the Guest Editors

Nowadays, the transportation system is confronted with serious challenges, such as traffic congestion, emission, and accidents. Many new ideas and technologies have been proposed to deal with the problems so as to make the transportation system more sustainable. These methods include advanced traffic control for traditional MV (manual driven vehicle) flow, CAV (connected and autonomous vehicle) technologies, and encouragement for nonmotorized travels. This Special Issue will highlight new opportunities and challenges for sustainable transportation, focusing on how to improve and evaluate transportation system with traffic flow modelling and simulation. We welcome papers on the following topics:

- Modelling and simulating the performance of traffic flow under various traffic control schemes or management measures, including variable speed limit control, ramp metering, traffic signal control, and application of exclusive lane/variable lane/reversible lane.
- Modelling and simulating the CAV flow or CAV-MV mixed flow in various scenarios, including CAV platoon controlling, intersection controlling and other V2X applications.

Guest Editors

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Dr. Ye Li

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Deadline for manuscript submissions

closed (30 April 2022)

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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. *Sustainability* publishes original research articles, review 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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