



Application of Emerging Simulation Technologies in Achieving Sustainable Transportation Systems

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Message from the Guest Editors

Dear Colleagues,

At present, the simulation model can effectively evaluate and optimize, reduce the emission of, and realize the sustainable development of the transportation system. The advantages of simulation modeling of traffic flow, parking, intelligent connectivity, and driving behavior of the transportation system can help us to better understand its transportation policy or behavior and compare different design options to achieve more sustainable solutions. In addition, simulation technology provides a more realistic representation of traffic behavior and its surrounding environment. All these improvements can more effectively improve operational efficiency and safety. The main goal of this Special Issue is to publish the latest developments around how simulation models can improve sustainability. The topics of interest include (but are not limited to) the following:

- Traffic flow simulation modeling;
- Parking model;
- Framework design of traffic simulation system;
- Traffic optimization modeling;
- Traffic model in a connected vehicle environment;
- Traffic safety simulation model;
- Modeling of driving behavior in an intelligent transportation environment.





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Message from the Editor-in-Chief

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