

Special Issue

Sustainable Transportation for the Future: Automated Vehicles and Big Data on Traffic Operations

Message from the Guest Editor

With the penetration of automated vehicles on roads in the near future, traffic operations will be dramatically different from current traffic patterns. Thinking ahead 10, 30, or 50 years from now, what will the transportation world look like? Will surface transportation still be the dominant travel mode? Recently, unmanned aerial vehicles (UAVs) have been extensively studied to explore the possibilities to shift part of the travel demand from surface transportation to air transportation for short to medium-distance trips. Questions regarding the impact of UAVs on surface congestion reduction still remain a challenge for real-world applications. With those in mind, this Special Issue is intended to cover various topics on mobility, safety, sustainability, and the environment.

- To explore the potential or real-world applications of automated vehicles in different scenarios in transportation;
- To apply advanced big data analytical methods to examine the performance under new traffic environments with automated vehicles;
- To investigate the new applications of UAVs under different city environments.

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Guest Editor

Dr. Xiaobing Li

Center for Urban Transportation Research, University of South Florida,
Tampa, FL 33620, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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