



Urban Intelligent Traffic System Control and Optimization

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Message from the Guest Editors

How to improve the transportation capacity is currently one of the most important directions for research on the development of urban traffic systems. It is envisioned that intelligent driving will provide enabling key technologies to enhance transportation efficiency, reduce traffic incidents, improve safety, and mitigate the impacts of traffic congestion.

The aim of this Special Issue is to present a collection of high-quality research papers on recent developments, current research challenges, and future directions in the use of intelligent driving to realize an urban intelligent traffic system that is safer and more efficient.

Potential topics include but are not limited to the following:

- 1) Energy efficiency and sustainability of urban public transportation
- 2) Networked information processing, decision making, and intelligent control
- 3) Rail system modeling and optimization
- 4) Trajectory prediction and motion planning in intelligent driving
- 5) Intelligent transportation, rail traffic modeling, and decentralized congestion control
- 6) Role of artificial intelligence and operations research in urban traffic system control



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