

Special Issue

Advanced Sensing Technology in Intelligent Transportation Systems

Message from the Guest Editors

In modern society, intelligent transportation systems (ITS) play an increasingly vital role through the rapid progress of urbanization. Advances in ITS, such as information technologies, communication technologies and intelligent control technologies make transportation systems safer, more efficient and profitable. The success of ITS largely depends on advanced sensing technologies to access and collect big data from the traffic environment. These collected big data then enhance the intelligence of traffic applications. Therefore, this Special Issue aims to gather research advances in sensing technology of intelligent transportation systems. Potential topics include but are not limited to:

- Multi-modal perception hardware;
- Multi-source heterogeneous data fusion;
- High-precision target detection and localization algorithms;
- Road environment semantic segmentation;
- High-precision semantic map construction;
- Management and control of ITS;
- Transportation planning;
- Assistant and autonomous driving

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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