Special Issue

Sensor Technologies for Intelligent Transportation Systems

Message from the Guest Editors

This Special Issue is dedicated to showcasing cutting-edge research and developments in sensor technologies that can be integrated into ITSs to address these challenges. Contributions may include studies on the use of various types of sensors such as LiDAR, radar, ultrasonic, camera, and thermal sensors, as well as the role of the Internet of Things (IoT) in enhancing sensor capabilities within ITS. Through this collection of high-quality research articles, we hope to foster the development of smarter, safer, and more efficient transportation systems for the future. Topics of interests include, but are not limited to, the following:

- Multi-sensor fusion for intelligent transportation system localization, including GNSS, IMU, LiDAR, camera, and high-definition map.
- The integration of sensor data with vehicular and infrastructural systems.
- Sensor-based predictive maintenance for transportation infrastructure
- The application of machine learning and artificial intelligence in processing sensor data
- The reliability and accuracy of sensor data study

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Deadline for manuscript submissions

closed (15 August 2025)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/207794

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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