

Special Issue

Applications of Advanced Sensors and Interoperability Technologies in Autonomous Transportation Systems

Message from the Guest Editors

With the ongoing evolution of transportation systems toward greater intelligence and autonomy, the advancement of autonomous transportation will play a pivotal role in shaping the future of mobility, where diverse transportation agents will collaborate through cutting-edge sensing and interoperability technologies to enhance both efficiency and safety. This Special Issue seeks to gather a series of pioneering research efforts focused on the application of interoperability technologies in autonomous transportation systems, supported by advanced sensor capabilities. Submissions are welcome in the form of both theoretical studies and cutting-edge practical applications.

The topics of interest for this Special Issue include, but are not limited to the following:

- Autonomous transportation systems
- Interoperability technologies
- Integration of sensor, communication, and computing resources
- Interoperability requirements and mechanisms
- Crowd intelligence and decision control
- Multi-agent cooperative control
- Collaborative perception technologies

Guest Editors

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About the Journal

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.

Editor-in-Chief

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