

Special Issue

Advanced Sensing and Control for Connected and Automated Vehicles

Message from the Guest Editors

The objective of this Special Issue is to compile recent research and development efforts contributing to advances in sensing and control for CAVs. The Special Issue will also welcome contributions addressing the state-of-the-art in associated developments and methodologies, and the perspectives on future developments and applications. The topics of interest within the scope of this Special Section include (but are not limited to) the following:

- Sensing technologies for environment perception of CAVs;
- Sensing technologies for localization and navigation of CAVs;
- Sensor fusion and signal processing in CAVs;
- Sensing for human behavior recognition in CAVs;
- Advanced control algorithms for CAVs;
- Control-oriented modeling for CAVs;
- Decision making, path planning, and tracking of CAVs;
- Human–automation collaboration for CAVs;
- Sensing, control, and testing for safety and security of CAVs;
- Fault diagnosis and fault-tolerant control of CAVs;
- Sensing and control for multimodal vehicles (e.g., ground, aerial, underwater).

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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.

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