



## Sensors for Smart Vehicle Applications

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Deadline for manuscript  
submissions:

**closed (15 December 2022)**

### Message from the Guest Editors

Dear Colleagues,

In order to improve the safety, comfort, and performance of vehicles, the reliable perception of the environment as well as accurate and robust state information (position, velocity, and attitude) of vehicles are particularly important. By processing the on-board sensors (LiDAR, radar, camera, GPS, IMU, etc.) on autonomous vehicles and also the shared information from communication, environmental perception is realized. Simultaneously, vehicle state estimate via various positioning algorithms can be performed. This Special Issue aims to introduce technologies related to environmental perception, state estimation, and control systems for autonomous vehicles. Original research and comprehensive reviews are welcome. Potential topics include, but are not limited to:

- Autonomous driving systems;
- Sensor fusion;
- Environmental perception (object detection and tracking);
- GNSS positioning, inertial navigation, and integrated navigation;
- Simultaneous localization and mapping;
- Vehicle state estimation;
- Security for autonomous vehicles;
- Vehicle dynamics control.





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## Message from the Editor-in-Chief

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