Special Issue

Sensors Technology in Autonomous Vehicles and Automated Driving Status, Perspectives and Societal Impact

Message from the Guest Editors

Self-driving vehicles are expected to significantly reduce the number of fatal accidents caused by human error by enabling faster decision-making by a central unit that processes signals from built-in sensors. Level 4 self-driving vehicles are already on the road, capable of handling a large proportion of traffic situations and making driving more comfortable. Researchers are slowly focusing on the implementation of Level 5 full self-driving, which can now get passengers to their destination without human intervention, overcoming all traffic obstacles. Successful implementation will require not only good decision-making after proper processing of the data from sensors, but also social acceptance, as self-driving vehicles will have a significant impact on today's transport. This special issue of the journal focuses on these areas. Potential topics include but are not limited to:

- Processing sensor data from self-driving vehicles
- Central unit decision-making
- Societal issues in the field of self-driving vehicles
- Perspectives in the field of self-driving
- Possible sensors in future self-driving vehicles

Guest Editors

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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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