

## Special Issue

# Sensor Fusion for Vehicles Navigation and Robotic Systems

### Message from the Guest Editors

For self-driving cars and any autonomous, intelligent robot system, reliable pose information and reliable perception of the environment is of utter importance. Without them, a self-driving car could not start its journey and the mobile robot system could not commence any intelligent mission. To calculate robust localisation data, the robot needs to integrate several different sensor sources into its localisation pose to cope with sensor noise and come up with a consistent pose estimate. To detect obstacles in all weather conditions, a self-driving car uses various sensor systems, such as cameras, LiDAR and radar, but none of them is perfect on its own. Therefore, only fusing the sensor data will ensure a robust perception of the situation and the environment. For more information, please visit: [mdpi.com/si/64185](https://mdpi.com/si/64185)

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### Guest Editors

Prof. Dr. Alexander Ferrein

Prof. Dr. Michael Reke

Dr. Stefan Schiffer

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### Deadline for manuscript submissions

closed (18 August 2022)



## Sensors

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*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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