

Special Issue

Sensor Fusion for the Safety of Automated Driving Systems

Message from the Guest Editors

This Special Issue was conceived to further the state-of-the-art in sensor fusion architecture, technology, and algorithms for autonomous driving to achieve safety, robustness, and efficiency in autonomous vehicles. In recent years, sensor fusion technology has made great progress and promoted the development of safety and reliability in autonomous driving. However, these technologies have strict autonomous driving system hardware and software requirements, which inevitably increases the complexity of the systems. To this end, we welcome submissions of various advanced multi-sensor fusion approaches for perception tasks such as object detection, semantic segmentation, object classification, depth completion, and prediction, which can be used to improve the safety and robustness of autonomous driving systems while keeping costs as controllable as possible.

Guest Editors

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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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