Sensors and Sensing for Automated Driving

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Message from the Guest Editors

Dear Colleagues,

Automated driving is becoming increasingly available through the advancement of information and sensing technology. Automated vehicles are informed by imaging, global satellite navigation, computing networks and other systems relying on sensors to gather and process data about vehicle dynamics and surroundings. Given the demand for data from sensor technology, this Special Issue aims to contribute the latest research to *Sensors* regarding sensor and sensing technology development for current and future automated driving. For example, the onboard sensing systems of some automated vehicles receive and process raw sensor data into useful information with artificial neural networks so that vehicles can analyze driving environments and operate safely.

Keywords

- automated driving
- advacned driver assistance systems
- driving safety
- machine learning applied in automated driving
- information fusion
- object detection and tracking
- V 2 X sensing
- sensing and imaging
- signal processing
- intelligent sensors
- human–machine interfaces

Special Issue

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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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