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Connected and Autonomous Vehicles: Sensors and Communication Technologies

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Deadline for manuscript submissions:

closed (31 July 2021)

Message from the Guest Editors

This Special Issue encourages authors from academia and industry to submit new research results about technological and communication innovations for autonomous vehicles. We look forward to submissions that characterize the information flow generated by different types of sensors in a V2X scenario and the requirements of innovative services. This Special Issue is also open to contributions that propose and validate the use of new technological solutions for V2X communications in view of the strict requirements of future V2X services.

The Special Issue topics include, but are not limited to, the following:

Wireless communication technologies for autonomous vehicles; Millimeter-wave V2X communications; Efficient data dissemination in vehicular communication systems; sensors' data dissemination in a commercial vehicular system; sensor technologies for V2X services; Algorithms for sensor-based object detection and/or tracking in vehicular scenarios; Algorithms for sensor-based data compression in vehicular networks; 5G/B5G-based sensing solutions for autonomous cars; Enhanced context-awareness and environmental mapping algorithms based on V2X.



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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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