Special Issue

Sensors Fusion for Vehicle Detection and Control

Message from the Guest Editor

Road vehicles are the most prevalent transportation system. Over the last several decades, vehicles have been equipped with systems which prevent accidents, and improve their comfort, and energy consumption. These systems, specially those that are related to the safety, gain greater interest in autonomous vehicles (AV). An AV is a vehicle capable of making decisions to move safety without driver supervision. A large number of sensors are required not only for perceiving and understand the nearby environment but also for determining the dynamic behavior of the vehicle. Nowadays, sensor fusion is playing a key role because it allows to combine the advantages of different sensors to get better results. Although, great advancements have made in the last years for automotive applications, there are still aspects that need to be addressed. The topics of interest include, but are not limited to: Vehicle Dynamics Control Obstacle detection Sensor fusion Learning techniques/ Deep learning Internet of Things/5G Estimation techniques Autonomous vehicle

Guest Editor

Prof. Dr. Maria Jesús López Boada

Mechanical Engineering Department, Institute for Automotive Vehicle Safety (ISVA), Universidad Carlos III de Madrid, Avda. de la Universidad 30, 28911 Leganés, Madrid, Spain

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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