Special Issue

Application of Advanced Perception Technology in Vehicle Intelligent Control

Message from the Guest Editors

The era of intelligent vehicles has dawned upon us. The advanced intelligent vehicle control system will continue to evolve, fueled by the adoption of artificial intelligence technology, the advent of novel sensors, and the ongoing progression of related technologies. The primary objective of intelligent vehicle control systems is to leverage application systems, control theory, and intelligent computing to address both present and emerging mobility challenges, thereby guaranteeing that ground vehicles operate safely, comfortably, in an eco-friendly manner, and autonomously. To accomplish this, it is imperative to develop increasingly precise dynamic vehicle models and integrate advanced intelligent sensors along with sensor fusion technologies, enabling an accurate comprehension of the vehicle's status. This Special Issue focuses on sharing the latest achievements in vehicle sensors, aiming to promote the progression of advanced vehicle control systems and achieve more sustainable transportation application goals.

Guest Editors

Prof. Dr. Pengyu Wang

Dr. Jianhua Li

Dr. Feng Xiao

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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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