

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

Deadline for manuscript submissions

closed (31 July 2025)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/223364

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

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)