Special Issue

Recent Advances in Intelligent Vehicles and Intelligent Transportation Systems

Message from the Guest Editors

Intelligent vehicles are an integral part of intelligent transportation systems, which utilize a combination of sensors, cameras, radar, and advanced algorithms to navigate roads safely without human intervention. Ongoing research in this area focuses on several key areas, including environmental perception, decision-making, path planning, and vehicle control.
Environmental Perception: Intelligent vehicles rely on a variety of sensors, such as lidars, radars, and cameras, to perceive their environment. These sensors provide data about the surrounding objects, including their position, speed, and direction. Research in this area aims to improve the accuracy and reliability of these sensors, as well as develop algorithms to fuse data from multiple sensors for a more comprehensive understanding of the vehicle's surroundings. This Special Issue addresses new environmental perception, decision-making, path planning, and vehicle control techniques used in intelligent vehicles and intelligent transportation systems. Survey papers are also welcome.

For more information, please visit: mdpi.com/si/R3029

Guest Editors

Dr. Jinghua Guo
Department of Mechanical and Electrical Engineering, Xiamen University, Xiamen 384002, China
Dr. Jingyao Wang
Department of Automation, Xiamen University, Xiamen 384002,China

Deadline for manuscript submissions

closed (15 February 2026)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/204835

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

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

MDPI

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)