

Special Issue

Sensors and Sensing Technologies for Traffic, Driving and Transportation

Message from the Guest Editors

You are invited to submit to this Special Issue, entitled “Sensors and Sensing Technologies for Traffic, Driving and Transportation”, of *Sensors*. The advancement of sensors and sensing technologies for traffic, driving, and transportation has transformed the landscape of intelligent transportation systems (ITSs) and intelligent vehicles. This Special Issue aims to highlight innovative research on novel sensors, computer vision, artificial intelligence, sensor data processing, sensor data visualization, and the application of sensing technologies in intelligent transportation systems (ITSs) and intelligent vehicles (IVs). We welcome contributions from all fields related to sensors and sensing technologies applied in traffic, driving, and transportation, including, but not limited to, the following:

- Novel sensor modalities (LiDAR, radar, cameras, etc.);
- Collaborative sensing and V2X communication;
- Sensing technologies for autonomous driving systems;
- Sensing technologies for advanced driver-assistance systems (ADASs);
- Environmental sensing for intelligent transportation;
- Applications of sensing technologies in ITSs and IVs.

Guest Editors

Dr. Duo Lu

Department of Computer Science and Physics, Rider University, New Jersey, NJ 08648, USA

Dr. Bharatesh Chakravarthi

Computer Science and Engineering, School of Computing and Augmented Intelligence, Ira. A. Fulton Schools of Engineering, Arizona State University, Tempe, AZ 85281, USA

Deadline for manuscript submissions

20 July 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/214412

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)