

Special Issue

Artificial Intelligence and Sensor-Based Learning for Intelligent Driving and Smart Mobility

Message from the Guest Editors

Dear Colleagues, This Special Issue aims to collect high-quality contributions focusing on artificial intelligence methods for sensing, perception, prediction, and decision-making in intelligent driving and smart mobility environments. The scope is intentionally broader than autonomous driving and includes AI-based solutions supporting both vehicle-centric and infrastructure-centric intelligent transportation systems. Research addressing smart parking, driver monitoring, ADAS systems, traffic understanding, and AI-based safety solutions is particularly encouraged. We welcome original research and review papers covering deep learning, transformer-based models, multimodal learning, reinforcement learning, and edge AI solutions for intelligent mobility. Contributions integrating sensor-based perception, real-time inference, and deployable AI solutions for transportation systems are especially encouraged. Topics of interest for publication include, but are not limited to, the following:

- artificial intelligence
- machine learning
- deep learning
- sensor fusion
- intelligent driving
- smart mobility
- driver monitoring
- smart parking
- ADAS
- intelligent transportation systems
- automated driving
- cooperative AI

Guest Editors

Dr. Gábor Kiss

Institute of Safety Science and Cybersecurity, Óbuda University, 1088 Budapest, Hungary

Dr. Lehel Denes-Fazakas

Physiological Controls Research Center, University Research and Innovation Center, Óbuda University, 1034 Budapest, Hungary



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed



mdpi.com/si/280039

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 9.4
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)