Special Issue

Sensors in Electric Vehicles and Charging Networks

Message from the Guest Editors

EVs can eliminate road traffic-oriented a pollution and consequently could improve air quality, reduce noise pollution as well as carbon emissions. EVs have a major role in governments' Net Zero targets around the world, such as in the UK's 2050 target. Governments around the world have been supporting various measures to encourage uptake of EVs for both private and public transport. The UK government has announced plans to end the sale of petrol and diesel cars by 2030 and hybrid cars by 2035. EVs are autonomous or semi-autonomous vehicles attached with thousands of automotive sensors. So, technically, it is an automotive sensor network, which is subsequently part of a highly dynamic connected and autonomous vehicle network infrastructure in a road traffic environment. Therefore, the success of EV and related green mobility ambitions in the future revolves around automotive sensors, traffic data, and data fusion. This Special Issue is targeting scientific innovations around sensors in EV and charging or energy networks.

Guest Editors

Dr. Omprakash Kaiwartya

Prof. Dr. Yue Cao

Dr. Neetesh Kumar

Deadline for manuscript submissions

31 December 2025

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/237042

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

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
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 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)