

Special Issue

Recent Sensing Technologies and Applications in Smart Grids

Message from the Guest Editors

Recently, there has been a rising interest in implementing the latest sensing technologies and applications in smart grids. Modern Smart Grid networks should be seen as an integral part of Smart City and Smart Region concepts with an emphasis on secure data transmission and processing, data evaluation and interaction. The new security and technological requirements connecting the world of ICT and ICS systems open a wide range of complex research areas, building on the current state of the art in sub-areas. Potential topics include, but are not limited to, the following research areas:

- Smart grids and smart sensors
- Smart grid and cyber-physical systems
- Smart grids and IoT technologies
- Cyber-physical systems in energy applications
- Smart grids and distributed renewable energy sources
- Traffic models for smart grid and smart city applications
- Vehicle-to-grid energy storage and smart sensors
- Wireless sensor networks in smart grids
- Methods in data analytics for enabling a data-driven smart grid;
- Security and privacy aspects concerning sensors in the smart grid;

Guest Editors

Dr. Josef Horálek

Dr. Antonino Laudani

Dr. Vladimir Sobeslav

Dr. Petr Tučník

Deadline for manuscript submissions

closed (15 March 2024)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/172714

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

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)