

Special Issue

Advanced Sensing Technology and Data Analytics for Power Equipment Security and Energy System

Message from the Guest Editors

This Special Issue, titled “Advanced Sensing Technology and Data Analytics for Power Equipment Security and Energy System”, focuses on innovative sensing technologies and data-driven approaches to enhance the security, reliability, and efficiency of smart grids. It invites research on topics such as advanced sensors, artificial intelligence, machine learning, and big data analytics for grid monitoring, fault detection, cyber-physical security, and optimization of energy systems. This Special Issue therefore aims to put together cutting-edge research and innovative solutions in advanced sensing technologies, data analytics, and cybersecurity frameworks for power equipment and energy systems. Potential topics of interest include the following:

- Advanced sensing;
- Data analytics;
- Cybersecurity;
- Energy systems;
- Fault detection;
- Machine learning;
- Artificial intelligence;
- Big data;
- Predictive analytics;
- Energy optimization;
- Renewable integration;
- Cyber-physical systems;
- Internet of Things (IoT);
- Real-time monitoring;
- Smart sensors;
- Intelligent control systems.

Guest Editors

Prof. Dr. Jingang Wang

School of Electrical Engineering, Chongqing University, Chongqing 400044, China

Dr. Pengcheng Zhao

School of Electrical Engineering, Chongqing University, Chongqing 400044, China



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/225289

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)