

Special Issue

Sensors and Energy Management Applications for Smart Grid

Message from the Guest Editors

With the rise of the IoT and the progress of information technology, the traditional electrical power grid is also transforming into a smart grid. Recently, innovative sensing products, services, and technologies such as intelligent monitoring, control, and communication have been adopted by smart grids. The behaviors and actions of users are connected together by smart grids based on sensors. However, different types of users have diverse ways of participating in grid scheduling and control, which leads to the need for smart grids to flexibly adjust their own regulation and control strategies according to the dynamic response of demand-side resources. In this scenario, new approaches in sensor deployments and new algorithms to analyze the information obtained from them are becoming an essential tool to support the trading, scheduling, and control. The main goal of this Special Issue is to give academics, researchers, and industry professionals an opportunity to highlight their current work and define future research directions.

Guest Editors

Prof. Dr. Ciwei Gao

School of Electrical Engineering, Southeast University, Nanjing 210096, China

Prof. Dr. Xun Dou

College of Electrical Engineering and Control Science, Nanjing TECH University, Nanjing 211816, China

Deadline for manuscript submissions

closed (30 September 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/117942

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)