



*sensors*



an Open Access Journal by MDPI

## Wireless Sensor Networks in Smart Grid Communications

Guest Editors:

**Dr. Yuanfang Chen**

**Dr. Muhammad Alam**

**Prof. Dr. Xiaohua Xu**

**Prof. Dr. Sardar M.N. Islam**

**Dr. Qiuhua Zheng**

**Dr. Jia Liu**

Deadline for manuscript  
submissions:

**closed (20 July 2023)**

### Message from the Guest Editors

The smart grid is an emerging technology that is supporting significant changes in economies and social networks worldwide. In the energy sector, various regional and state grid systems have begun the transformation from being consumers of electricity to producing, sharing, and storing energy by deploying smart grid infrastructure. However, due to often remote and extreme conditions, in smart grids, cybersecurity and resilience are two of the many challenges in leveraging energy grids. Considering hackers' recent attacks on energy grids and the distributed structure of these systems, the use of traditional means of computer protection and searching for crimes becomes more difficult or insufficient. Luckily, with the aid of state-of-the-art cybersecurity technologies and resilient systems, we can produce a feasible scheme to ensure the security of smart grids from the source. Hence, there is a need to study and design new cybersecurity technologies and resilient systems for smart grids.



[mdpi.com/si/125215](https://mdpi.com/si/125215)

**Special** Issue



*sensors*



an Open Access Journal by MDPI

## 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

## 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.

## 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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)