

## Special Issue

# Wireless Sensor Networks in Smart Grid

### Message from the Guest Editor

Wireless sensor networks play a crucial role in the integration of renewable energy resources into the smart grid. These networks enable the real-time monitoring and control of diverse renewable energy sources, such as solar and wind, by collecting and transmitting data from sensors deployed throughout the grid infrastructure. The importance of wireless sensor networks lies in their ability to provide accurate and timely information on energy generation, consumption patterns, and grid conditions. This information enables the effective optimization of renewable energy utilization, improves grid stability, and facilitates the integration of distributed energy resources. However, the widespread deployment of wireless sensor networks also introduces security challenges. Since these networks transmit sensitive data, they become potential targets for cyber attacks, including unauthorized access, data tampering, and denial-of-service incidents. This Special Issue intends to present novel, resilient, and secure solutions for energy systems.

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### Deadline for manuscript submissions

closed (6 March 2024)



## Sensors

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### 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.

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