



## Smart Grids: Sensing and Monitoring

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**closed (15 January 2023)**

### Message from the Guest Editors

This Special Issue aims to invite the latest developments and new perspectives on devices and systems that support smart grids, ranging from smart sensors and embedded systems that comprise the lower layer of the power grid to data processing, secure communication and cloud techniques in the upper layer, in order to achieve a better understanding, optimization, and performance of all energy management processes.

The topics of interest for this Special Issue include but are not limited to:

- Sensors and actuators in smart grids;
- Smart metering;
- Wireless and wired communications systems for smart grids;
- Medium access control and routing protocols for smart grid networks;
- Internet of things (IoT) applied to smart grids;
- Cybersecurity and privacy protection in smart grid networks;
- Data science for energy management systems;
- Artificial intelligence applied to energy management systems;
- Cloud techniques and cloud-based applications for smart grids;
- Embedded software and signal processing techniques applied to smart grids;
- Battery monitoring systems;
- Management of charging stations for electric vehicles.





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## Message from the Editor-in-Chief

I encourage you to contribute research and comprehensive review articles for publication in Journal of Sensors and Actuator Networks (JSAN), an international, open access journal which provides an advanced forum for research findings in areas of sensors and actuators. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sensors and actuators and fostering applications of sensor-based measurements and effective actuator incorporation.

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