

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.

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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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