

Special Issue

Advances in Sensor Technologies for Microgrid and Energy Storage

Message from the Guest Editors

With the extensive application of rooftop photovoltaic cells for supplying electrical energy for domestic as well as industrial consumption, the micro-grid is an emerging technology that is supporting significant transformation in economies and social networks worldwide.

The purpose of this Special Issue is connect researchers from various areas, all working on solving the challenges present in the application of the smart micro-grid in energy storage and monitoring, via smart sensors and sensing technology, in order to make the power supply network robust and failsafe. The aim is to discuss the following topics: (i) the development of smart sensors, sensing technology, WSN and the IoT for micro-grid and energy storage applications; (ii) recently developed machine learning and data mining techniques that can be employed to address the challenges of micro-grid integration; and (iii) practical research directions in the machine learning and artificial intelligence community in the area of micro-grid and energy storage.

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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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