

Special Issue

Energy Transition, Advanced Sensors and Technique for Measurement on Electrical Power Grid

Message from the Guest Editors

In the era of energy transition, the integration of distributed energy resources such as solar, photovoltaics, and energy storage systems offers important benefits. The e-mobility is one of the major actors of this transition with the need to think on new electrical storage and recharging systems acting on the power grid. The infrastructure of the existing grids, however, was not designed to coordinate and safely manage this fast transition. Some of the main features of a new smart grid are self-healing from power disturbances, efficient energy management, automation based on information and communication technology (ICT) and advanced metering infrastructures, integration of distributed power generation, renewable energy resources and storage units as well as high quality and reliability. In this Special Issue, we invite original research papers and review articles on sensors and techniques for measurement on electrical power grids facing the challenge generated by the in-progress energy transition.

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Deadline for manuscript submissions

closed (30 September 2023)



Sensors

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Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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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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