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Sensors Technology and Data Analytics Applied in Smart Grid

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Message from the Guest Editors

At present, as a response to the resilience demands of modern networks and the commitment to decarbonize our society, the smart grid paradigm is being adopted by power utilities, pursuing cleaner and more efficient management. A proof of this is the evolution that the network topology has experienced, in which the deployment of distributed generation, storage, and controllable load systems has grown, resulting in self-controlled microgrids, virtual power plants and, more generally, smart local energy communities.

In this sense, in order to face the aforementioned challenges, we propose this Special Issue, titled “Sensors Technology and Data Analytics Applied in Smart Grid”. Under this title, we expect high-quality previously unpublished papers focused on the design and use of new sensor architectures for smart grid applications, which include but are not limited to the following topics:

- Advanced metering infrastructures;
- Wide-area monitoring, protection, and control systems;
- Demand-side management systems;
- Smart home and smart building sensors and IoT applications;
- Energy monitoring and energy disaggregation.



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Special Issue



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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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