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Smart Infrastructure in the Power Grids

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Message from the Guest Editors

Dear Colleagues,

“Smart Infrastructure in the Power Grids” is a Special Issue of *Energies* for those who would like to publish their original papers about the power quality and smart infrastructure in power grids that allows for the monitoring and improvement of power quality. This Special Issue aims to present important results of work related to power quality in the smart grid, microgrid, renewable energy, power electronics, and control techniques, the modernization of the power system, energy storage, and their various applications. The works can be applied to research, the development of new algorithms or components, original applications of existing knowledge, or new facilities applied to power systems. Prospective authors are invited to submit original papers to this Special Issue. The topics of interest for publication include but are not limited to:

- Analysis and Modelling (Networks, Devices, Loads, etc.) of the Power Grid;
- Deep Learning and Machine Learning Applications in Smart Grids;
- Diagnostic Systems and Expert System Applications;
- Impact of Distributed Generation on Power Quality;
- Measuring and Monitoring Techniques;

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Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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