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Power Electronics for Smart Grids: Present and Future Perspectives

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Message from the Guest Editors

This Special Issue aims to organize the present and future perspectives of power electronics in smart grids; therefore, original contributions are invited, including review papers, from different perspectives, including Ph.D. students, academic scientists, researchers, and professional communities. Potential topics of interest are related (but not limited to) the application of power electronics for the following:

Renewable energy sources and energy storage systems;

Electric mobility (e.g., G2V and V2G modes) and energy efficiency in transportation;

HVDC, SVC, and FACTS technologies;

Active power filters, hybrid power filters, and unified power quality conditioners;

Power quality, reliability, and security;



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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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