Special Issue

Power Electronic and Power Conversion Systems for Renewable Energy: 2nd Edition

Message from the Guest Editors

This Special Issue will focus on the key technologies of power electronic systems for renewable energy, exploring the latest developments and research results in related theories, architectures, topologies, modelling, control, stability, and other aspects in depth. Topics of interest for publication include, but are not limited to, the following:

- High-efficiency power conversion technologies for photovoltaic/wind power generations;
- Key control technologies for energy storage systems and multi-energy complementary systems;
- Novel topologies of power electronic converters;
- Optimal design methods for high-power-density converters/high-performance magnetic components;
- Efficient operation and control methods of power converters for renewable energy;
- Modelling and stability of power-electronic-enabled power systems (AC and DC);
- Fault diagnosis and fault-tolerant operation technologies for renewable energy power electronic systems;
- Safety operation technologies for renewable energy power electronic systems in extreme environments.

Guest Editors

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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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