Special Issue

Advanced Power Electronics for Renewable Integration

Message from the Guest Editors

This Special Issue on “Advanced Power Electronics for Renewable Integration” invites you to submit papers on, but not limited to, the following topics of interest:

- Power electronics for solar, wind, and hydropower systems;
- Control of converters interfacing with battery storage, supercapacitors, fuel cells, and flywheels;
- Intelligent energy management for V1G, V2G, and V2H applications;
- Grid-forming and grid-following converter control;
- Advanced control strategies for power quality enhancement and harmonic mitigation;
- Power electronics for transmission, distribution, and hybrid AC/DC systems;
- Advanced DC/AC and DC/DC converter designs for renewable integration;
- Modulation strategies for high-efficiency and low-distortion operation;
- Power factor correction and switching power supply innovations;
- Reliability and thermal management of wide-bandgap semiconductors;
- Power electronics for electric vehicles, railways, marine, and aerospace systems;
- Wireless power transfer technologies and control;
- Control of AC, DC, and hybrid microgrids;
- Multi-level and multi-stack converter control for distributed generation;

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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