

Special Issue

Power Electronics Optimal Design and Control

Message from the Guest Editor

This Special Issue focuses on the broad area of design for optimization of power electronic converters (AC/DC, DC/DC, DC/AC, and AC/AC), with special interest in optimization for efficiency, reliability, cost, and/or performance by design. The following is a list of recommended topics:

- Model-based converter optimal design: efficiency modeling, reliability modeling, and cost modeling;
- High-efficiency design: high-efficiency component selection, maximum-efficiency control, and new efficient power electronic converters;
- Converter reliability enhancement: reconfiguration, fault tolerance, and redundancy;
- Design for reliability;
- Low-cost power electronics;
- Robust power electronics.

Guest Editor

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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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