Special Issue

Power Converters: Modeling, Design and Applications

Message from the Guest Editors

Switching power converters are nowadays utilzed in a wide range of applications. The main requirements of modern power converters are high efficiencies, high power densities, fast transient resposnses, and capability to operate in special applications such as fault-tolerant configurations. This Special Issue will focus on the modeling and design of power converters and their applications. Topics of interest for publication include, but are not limited to, the following:

- innovative power converter topologies;
- control and optimization of switching converter circuit;
- resonant power conveters;
- power converters suitable for wireless power tranfer;
- switching converter for telecom application;
- switching converter in smart grid applications and energy transmission systems;
- power converters for energy storage systems;
- power converters for e-mobility;
- advanced power converters for renewable energy conversion;
- power converters for LED driving circuits.

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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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