

Special Issue

Design and Investigation of Power Electronics Converters and Its Control

Message from the Guest Editor

The role of the power electronics converter is increasing day by day. This necessitates the improvement of the power electronics converter in terms of efficiency and control. In this issue, we seek different control schemes to increase its effectiveness and the regulation of different parameters of the power electronics converter used in a wide range of applications such as AC/DC drives, standalone power converters, grid connected power converters, transportation, energy storage management, and so on. Besides the control problem, this issue also invites the submission related to improving power conversion efficiency, increasing power density, high gain achievement, and other related issues. The authors are invited to submit their original work and survey papers for publication in this Special Issue of *Energies*. Topics of interest for this Special Issue includes, but are not limited to:

- Design and control of power converters;
- DC/DC, AC/DC, DC/AC topologies;
- Resonant power converters;
- Bidirectional power converters;
- Grid connected/standalone converters;
- Renewable energy integration;
- AC/DC drives.

Guest Editor

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Deadline for manuscript submissions

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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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