Special Issue

Current Researches on Integrated DC/DC Converters

Message from the Guest Editor

Monolithic integration of electronic systems is one of the major techniques to reduce cost, size, and power consumption in state-of-the-art consumer applications. It is also a strong support to the ubiquity of electronics. Remarkably, a certain building block often remains discrete in commercial applications: switched-power supply. This Special Issue will be focused on recent research efforts to develop high-performance fully integrated DC–DC converters in standard CMOS. Topics of interest for publication include but are not limited to:

- Advanced and hybrid (inductive and capacitive) topologies;
- Low-voltage and ultra-low voltage converters;
- Converter-designed HVCMOS technologies;
- Implementation of integrated inductors, including bond-wires inductors;
- Multiple-input single-output integrated DC/DC converters;
- Single-input multiple-output integrated DC/DC converters;
- Multiple-input multiple-output integrated DC/DC converters.

Guest Editor

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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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