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Advances in High-Efficiency LLC Resonant Converters

Guest Editor:

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Deadline for manuscript submissions:
closed (16 January 2020)

Message from the Guest Editor

Dear colleagues,

LLC resonant converters have been widely used in industrial fields because of their high efficiency, simple structure, and cost effectiveness. In addition, new and advanced control algorithms have been applied to the LLC resonant converters.

The Guest Editor is inviting submissions for a Special Issue o f *Energies* on the subject area of "Advances in High-Efficiency LLC Resonant converters". This Special Issue will focus on emerging power electronic topologies related to the LLC resonant converters and their design methodologies and control algorithms. Topics of interest for publication include, but are not limited to:

-LLC Resonant Topologies;

-Design Methodologies of Resonant Tanks for High Efficiency;

-Power Loss Analysis in LLC Resonant Converters;

-High-Frequency Magnetics in LLC Resonant Converters;

-Wide Band-gap Devices Applied to LLC Resonant Converters;

-Advanced Control Algorithms for LLC Resonant Converters

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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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