

Special Issue

State-of-the-Art Research in Advanced Power Electronic Conversion Systems

Message from the Guest Editors

This special issue aims to showcase the latest advancements and innovative research in the field of power electronic circuits, with a focus on sustainable and environmentally friendly solutions. Topics of interest for this special issue include, but are not limited to: 1.

AC-DC Converters: Design and optimization of AC-DC converters for efficient power conversion and energy harvesting. 2. Power Integrated Circuit Design: Power IC design for power electronic circuit. 3. Modeling and Simulation: Simulation and modeling approaches for the analysis and optimization of power electronic circuits. 4. Renewable Energy Systems: Design and optimization of green electronic circuits for renewable energy generation and integration. 5. Transportation Power Electronics: Power electronics solutions for electric vehicles, hybrid vehicles, and other transportation systems. 6. Power Electronics Applications: Innovative applications of power electronics in various fields, such as healthcare, agriculture, and smart grids. 7.

Magnetics: Advanced magnetic materials and designs for efficient power conversion in power electronic circuits.

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About the Journal

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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