Special Issue

Emerging DC/AC Converters for Storage and Renewable Application

Message from the Guest Editor

Renewable energy integration into AC residential grids along with storage systems is a hot topic of power electronics today. Its growth requires a new generation of high-performance power electronic DC/AC converters applicable for AC residential grids. The price, universal usability, reliability, efficiency, and proper control algorithms are key issues to be solved. This Special Issue is devoted to the state of art review of novel or recently proposed DC/AC converters for storage and renewable energy application. The main focus will be devoted to the feasibility study of the proposed solutions through the acquisition of new knowledge in areas related to power circuit design, control and implementation of advanced materials and active and passive components, and comparative analysis.

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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