

Special Issue

Multilevel Converters: Analysis, Modulation, Topologies, and Applications

Message from the Guest Editors

This special issue is intended to motivate further research and development of multilevel converters, refreshing the state of the art, pointing out the benefits of emerging topologies, and investigating novel modulation schemes and for new applications. Original contributions including experimental validation are expected. The topics of interest include, but are not limited to:

- multilevel capacitor based inverter, chopper, and rectifier topologies;
- multilevel inverter modulation strategies and capacitor natural voltage balancing;
- active capacitor voltage balancing including special auxiliary circuits;
- multilevel inverters for renewable energy applications (photovoltaic, wind energy and fuel-cells);
- multilevel converters for high-power electric vehicle battery chargers;
- common mode voltage reduction in multilevel inverters;
- current source multilevel inverters with natural inductor current balancing;
- current source multilevel inverters with active inductor current balancing;
- fault tolerant multilevel converters.

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Deadline for manuscript submissions

closed (20 December 2018)



Energies

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Impact Factor 3.2
CiteScore 7.3



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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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