

Special Issue

Dynamic Modelling and Control in Multilevel Converters

Message from the Guest Editors

This **Special Issue** covers different aspects related to the design of control systems for multilevel converters, such as: modelling approaches, controller design, modulation techniques, fault-tolerant control, and performance analysis. The topics of interest include, but are not limited to:

- Modelling and control issues for new topologies of multilevel converters;
- New modulation strategies for multilevel converters;
- Stability analysis of multilevel converters;
- Fault-tolerant capability of multilevel converters and associated control methods;
- Control design and implementation issues for high-efficiency multilevel converters;
- Control techniques for grid-connected multilevel converters: issues and performance when connected to microgrids, weak grids, or working in islanded mode;
- Control approaches for medium- and high-voltage applications;
- Control, dynamics, and performance of multilevel converters in selected applications: aircraft, marine, space, electric vehicles, transmission lines, etc.

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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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