



Multilevel Converters: Analysis, Modulation, Topologies, and Applications

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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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Message from the Editor-in-Chief

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