



Multilevel Power Conversion: Analysis, Control Strategies and Applications

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Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editors

Due to the current global energy crisis and the growing need for an energy source conducive to social and industrial development, energy-efficient power converters are crucially important. Both academia and the industry have focused their attention on developing converters that are very efficient in terms of topology, control, environmental disturbances and fault tolerance. Thus, we are inviting papers for this Special Issue that focus on related topics to advance and further inform the scientific knowledge base of energy-efficient converters.

Topics of interest include, but are not limited to:

- New multilevel converter topologies;
- Multilevel converters for adjustable speed drives;
- Multilevel converters for grid-connected utilities, such as active filter, AC and DC microgrids, STATCOM, FACTS, HVDC, etc.;
- Multilevel converters for renewable energy applications;
- Multilevel rectifiers and applications in regenerative systems;
- Modulation strategies for multilevel converters;
- Control methods for multilevel converters;
- Fault-tolerant capability of multilevel converters;
- High-efficiency multilevel converters.





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Message from the Editor-in-Chief

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