Special Issue

New Insights into Design, Control and Application of Modular Multilevel Converters

Message from the Guest Editor

This Special Issue is intended for existing and emerging control techniques applied to multilevel converters used on power systems, distribution systems and renewable energy generation systems, including many interesting topics for power and energy researchers. This Special Issue will focus on new control methods and applications for power and energy generation and storage systems. Topics of interest for publication include, but are not limited to:

- Power electronics;
- Control methods of power electronics;
- Scalar and vector control;
- Multilevel converters topologies and control;
- Hybrid topologies or mixed semiconductors;
- Three-phase and five-phase motor control;
- Fault tolerant converters;
- Development using RCP/HIL/PHIL systems;
- Grid connected power systems;
- PV, wind and ocean wave energy systems;
- Battery energy storage systems;
- FACTS and HVDC;
- Distributed generation;
- Variable speed drives;
- Electric vehicles;
- Battery changing systems;
- Ride-through capability;
- Utility-scale and industrial applications.

Guest Editor

Dr. Santiago de Pablo
Department of Electronics Technology, University of Valladolid, 47002 Valladolid, Spain

Deadline for manuscript submissions

closed (10 October 2024)

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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