

Special Issue

Control and Topologies of Grid Connected Converters

Message from the Guest Editors

Dear colleagues, The fast growth of distributed generation systems (DGSs) and smart grids (SGs), including the increasing number of renewable energy sources (RES), active loads, and energy storages, requires the development of high-performance power electronics converters. Therefore, this Special Issue will focus on emerging grid-connected power electronic topologies, control, and applications. Topics of interest for publication include, but are not limited to:

- advanced grid-connected converters (e.g., WBG 2-level converters, cell-based multilevel grid converters);
- advanced modulation and control schemes;
- modeling and implementation of converters and control;
- grid filters, including inductive components, filter design, and active damping;
- parallel connected grid converters;
- special problems at weak grids and/or small (island) grids;
- solid state transformers/smart transformers; and
- active filters, active rectifiers, FACTS, Statcom, etc.

Guest Editors

Dr. Mariusz Malinowski

Prof. Dr. Steffen Bernet

Prof. Dr. Marcelo A. Perez

Dr. Sebastian Styński

Deadline for manuscript submissions

closed (31 January 2022)



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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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About the Journal

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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