



energies



an Open Access Journal by MDPI

Advanced Fault Diagnosis, Control Design and Emerging Technologies in Power Systems for a Sustainable Production, Distribution and Use of Electrical Energy

Guest Editors:

Dr. Giovanni Cipriani

Department of Engineering,
University of Palermo, Viale delle
Scienze - Edificio 9, 90128
Palermo, Italy

Dr. Filippo Pellitteri

Department of Engineering,
University of Palermo, Viale delle
Scienze, Parco d'Orleans, 90128
Palermo, Italy

Deadline for manuscript
submissions:

closed (20 September 2023)

Message from the Guest Editors

This Special Issue will focus on the new emerging technologies and control approaches regarding power converters, electrical drives and electrical machines, applied to various research fields. Topics of interest include, but are not limited to, the following:

- Advanced fault diagnosis and control design in power systems;
- Modular converters for fault-tolerant systems;
- New topologies of power converters;
- Power electronics for storage systems' charge and management;
- New emerging power converters;
- Reliability in emerging power devices;
- Traction converters and emerging electrical machines for mobility;
- Integration of e-mobility in a smart city through smart grids and coupling with renewable sources;
- Grid-connected power converters;
- Power converters for renewable energy sources.



mdpi.com/si/150423

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)