energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.2

CITESCORE 7.3

Frontiers in Power Electronic Converters for Photovoltaic Applications

Guest Editors:

Prof. Dr. Roberto Francisco Coelho
Power Electronics Institute, Federal University of Santa Catarina, Florianopolis 88040-900, Brazil

Prof. Dr. Denizar Cruz Martins
Power Electronics Institute, Federal University of Santa Catarina, Florianopolis 88040-900, Brazil

Prof. Dr. Lenon Schmitz
Power Electronics Institute, Federal University of Santa Catarina, Florianopolis 88040-900, Brazil

Message from the Guest Editors

The electric power generation system is modernizing by moving away from conventional centralized power plants toward distributed generation units, in which grid-connected photovoltaic systems play an important role. Although power electronics applied to photovoltaic energy processing has reached a maturity stage, it continues to develop, providing solutions to the new challenges that arise as photovoltaic systems are disseminated by the electrical power system. This Special Issue is dedicated to attracting the latest results in high-performance power electronics converter topologies, modulation schemes, and control strategies for photovoltaic applications. Researchers are invited to present cutting-edge ideas to extend the state of the art related to the frontiers of power electronics for photovoltaic applications. Full papers and reviews are all welcome.

Deadline for manuscript submissions:
closed (31 August 2022)

mdpi.com/si/90150

Special Issue

energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.2

CITESCORE 7.3

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