



energies



an Open Access Journal by MDPI

Advanced Power Electronics and Intelligent Wireless Power Transfer System

Guest Editors:

Prof. Dr. Chenyang Xia

School of Electrical Engineering,
China University of Mining and
Technology, Xuzhou, Jiangsu
100083, China

Dr. Zhijuan Liao

School of Electrical Engineering,
China University of Mining and
Technology, Xuzhou 221116,
China

Dr. Cancan Rong

School of Electrical and Power
Engineering, China University of
Mining and Technology, Xuzhou
221008, China

Deadline for manuscript
submissions:

closed (31 May 2023)

Message from the Guest Editors

Dear Colleagues,

We would like to invite you to submit original research and review articles to a Special Issue on the topic of “Advanced Power Electronics and Intelligent Wireless Power Transfer System” in *Energies* (**IF: 3.004, ISSN 1996-1073**).

Power electronic technology has been widely used in new energy systems, energy storage systems, aerospace and other fields due to its great characteristics, which plays a crucial role in efficient conversion and utilization of electric energy. However, the operation range of power converter gradually faces the challenge of wide input voltage, wide output voltage and wide output load, and its operating characteristics are greatly affected. This Special Issue will include, but is not limited to, the following topics:

- Power conversion topology and control technology;
- Soft switch range extension technology;
- Converter dynamics and control design;
- Intelligent design and control technology;
- Wireless power transfer technology;
- Energy harvesting technology;

Dr. Chenyang Xia

Dr. Zhijuan Liao

Dr. Cancan Rong



mdpi.com/si/118623

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 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 (*Engineering (miscellaneous)*)

Contact Us

Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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