Special Issue

Advanced Technologies in Power, Electronics and Intelligent Systems

Message from the Guest Editors

This Special Issue seeks to foster cross-domain collaboration and to highlight innovative solutions that bridge power engineering, electronics and intelligent systems. We welcome original research articles, review papers and case studies that address both theoretical foundations and real-world implementations. Topics of interest include, but are not limited to, the following:

Power Energy Systems

- Renewable energy generation and integration (solar, wind, hydro, hydrogen, etc.)
- High-voltage direct current (HVDC) and flexible AC transmission systems (FACTS)

Power Electronics and Drives

- Advanced power converters, inverters and high-voltage power electronics
- Wide bandgap semiconductor devices (SiC, GaN) and their high-voltage applications

Intelligent Systems and Control

- Artificial intelligence and machine learning in energy systems
- Intelligent control, optimization and decision-making

Cross-Disciplinary and Emerging Topics

- AI-enabled power electronics and smart energy management
- Integration of electric vehicles and vehicle-to-grid (V2G) technologies
- etc.

Guest Editors

Prof. Dr. Haitao Liu

Prof. Dr. Sipeng Hao

Dr. Dongdong Zhang

Prof. Dr. Gaojun Meng

Dr. Ke Xu

Dr. Jichang Peng

Deadline for manuscript submissions

Energies

an Open Access Journal by MDPI

Impact Factor 3.9
CiteScore 8.3

mdpi.com/si/294312

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.9
CiteScore 8.3

mdpi.com/journal/energies

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

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)