

Special Issue

Volume II: Challenges and Research Trends of Electrical Engineering and Power Electronics

Message from the Guest Editor

The special issue "Research Challenges and Trends in Electrical Engineering and Power Electronics" will be devoted to current challenges in power generation and distribution. The special issue is intended to address these requirements. The main, but not the only, focus will be on applications of advanced signal and data processing (computer simulation, surrogate models, machine learning, artificial intelligence and computer science in general) to meet today's challenges of clean, high quality energy. I especially invite papers related to automatic diagnostics in power generation and conversion, special applications of electricity, optimal energy storage, distributed generation, smart grids, renewable and small sources (including small hydro, biomass, biogas, solar, wind and geothermal power) and their integration into the power system, energy harvesting and power quality.

Guest Editor

Dr. Bogdan Dziadak

Institute of Theory of Electrical Engineering, Measurement and Information Systems, Faculty of Electrical Engineering, Warsaw University of Technology, 00-662 Warsaw, Poland

Deadline for manuscript submissions

18 February 2025



Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



mdpi.com/si/162420

Energies

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

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



[mdpi.com/journal/
energies](https://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 Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 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)