



energies

an Open Access Journal by MDPI



Advances in Electrical Machines Design and Control

Guest Editors:

Dr. Grzegorz Sieklucki

Dr. Tomasz Drabek

Prof. Dr. Zbigniew Hanzelka

Deadline for manuscript
submissions:

closed (5 February 2024)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to present and disseminate the latest advanced developments related to the theory, design, modeling, analysis, power supply, control, and optimization of controllers, measurement and observation of state variables, and condition monitoring of all types of rotating and linear electrical machines. Topics of interest for publication include:

- Design optimization of electrical machines, using analytical and numerical methods, rotating machines as well as linear motors.
- Multi-physics design of electrical machines including their electromagnetic, thermal, and mechanical aspects.
- Finite element modeling and performance analysis of radial, axial, and transverse flux motors and generators.
- Heat transfer in electrical machines—thermal calculations by analytical and numerical methods.
- Power electronics—construction of advanced motor power systems, analysis of power systems, and methods of controlling them.
- Artificial intelligence methods in the design of electrical machines or their control systems and power electronics.
- Electric motor control systems for drives.



mdpi.com/si/166050

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)