Special Issue

Theory, Control and Applications of Electric Machines and Drives

Message from the Guest Editors

In recent years, the research and development of flux modulation theory has promoted the derivation, classification, and unification of machine topology. The development of machine control technologies, including advanced torque/force control, fault-tolerant control and position sensorless control, has improved the control capability, fault-tolerance, and integration of drive systems, respectively. In addition, special applications such as medical pumps put forward higher requirements for special machines and drive systems. This Special Issue aims to present and disseminate the most recent advances related to the theory, control, and application of electric machines and drives. Topics of interest for publication include, but are not limited to:

- Flux modulation theory of electric machines;
- Novel topologies of Flux modulation machines;
- Novel torque control of electric machines;
- Sensorless control of electric machines;
- Fault-tolerant machines;
- Hybrid excitation machines;
- Memory machines;
- High-speed machines;
- Bearingless machines.

Guest Editors

Dr. Yu Wang

Dr. Qian Chen

Dr. Hui Yang

Deadline for manuscript submissions

closed (19 June 2023)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/120318

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 3.2
CiteScore 7.3

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)