



energies



an Open Access Journal by MDPI

Design and Optimization of Fractional Kilowatt or Medium Power Electrical Machines

Guest Editors:

Prof. Dr. Krzysztof Komeza

Institute of Mechatronics and
Information Systems, Technical
University of Lodz,
Stefanowskiego 18/22, 90-537
Lodz, Poland

Prof. Dr. Paolo Di Barba

Department of Electrical,
Computer and Biomedical
Engineering, University of Pavia,
27100 Pavia, Italy

**Prof. Dr. Jean-Philippe
Lecoq**

Laboratoire Systèmes
Electrotechniques et
Environnement, Université
d'Artois, 62000 Arras, France

Deadline for manuscript
submissions:

closed (20 July 2022)

Message from the Guest Editors

Dear Colleagues,

Like many other devices, electrical machines require modeling of a series of coupled physical phenomena, depending on the material properties. We are also dealing with several requirements regarding their properties, such as obtaining the highest value of electromagnetic torque or power output, high efficiency in the case of several machines resulting from international standards, low noise levels, and, very importantly, low production costs.

Progress in sophisticated optimization methods combined with effective numerical and analytical modeling techniques introduce a superior quality into the design process. We invite you to submit articles on both theoretical and algorithmic aspects of optimization, but with a clear application in our area of interest as well as examples of design optimization considering new technologies, e.g., new magnetic composites, additive manufacturing, and 3D printing.



mdpi.com/si/54900

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 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 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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