Special Issue

Design and Control of Electrical Machines and Drives

Message from the Guest Editors

This Special Issue focuses on, but is not limited to, the following topics:

- Electromagnetic and thermal design methods for electric machines;
- Multi-objective optimization of electric machines and drives;
- Core loss analysis and advanced core loss calculation methods;
- Design of line-start permanent magnet and line-start permanent magnet-free machines;
- Nonlinear models of electric machines with concentrated parameters;
- Development of electric machines for electric propulsion;
- Dual-rotor PM machines for electrical variable transmission;
- Development of highly-efficient electric machines for general applications;
- Of-line and on-line methods for identification of electric machine parameters;
- Development of enhanced control methods for electric machines and drives (field oriented control, direct torque control, model predictive control, model-free predictive control)
- Advanced control system strategies for wind power generation systems.

Guest Editors

Prof. Dr. Bojan Štumberger

Prof. Dr. Miralem Hadžiselimović

Prof. Dr. Sebastijan Seme

Deadline for manuscript submissions

closed (30 November 2021)

Energies

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Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/47190

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

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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

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