Special Issue

Advances in Electromagnetic Analysis and Design of Electrical Machines and Devices

Message from the Guest Editor

Current trends to decrease greenhouse emissions have led to the sustainability of electrical machines and their related electric devices such as electric power transformers. It is known that electric energy generation is the leading in greenhouse emissions and that electric motors represent the primary electric energy consumption. The above represent an area of opportunity to reduce Carbon Dioxide emissions by developing high efficiency and novel designs of electrical machines. You are invited to submit contributions related to the recent advances in the electromagnetic analysis and design of electrical machines and devices. Specific topics include but are not restricted to the below:

- Electrical machines
- Electrical power transformers
- Optimization algorithms
- Electromagnetic analysis and modeling
- Numerical modeling and analysis of electrical machines
- Multi-physics of electrical machines and devices
- Material modeling applied to electrical machines
- Mathematical reduction of electrical machines

Guest Editor

Prof. Dr. Marco Arjona
La Laguna Institute of Technology (TNM), Torreon 27000, Coahuila, Mexico

Deadline for manuscript submissions

closed (20 July 2023)

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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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