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Future Electrical Machines

Guest Editors:

Prof. Dr. Carlos Platero

Department of Automatic
Control, Electrical and Electronic
Engineering and Industrial
Informatics, Universidad
Politécnica de Madrid, 28006
Madrid, Spain

carlosantonio.platero@upm.es

Dr. Konstantinos N. Gyftakis

School of Engineering, The
University of Edinburgh, Edinburgh
EH8 9YL, UK

konstantinos.gyftakis@ed.ac.uk

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Message from the Guest Editors

Dear Colleagues,

Electrical machines play a crucial role in all industry fields and power generation, final energy use and domestic applications. In this modern reality, electric motors, transformers and generators are continuously evolving, aiming for higher efficiencies simultaneously with more reliable operation.

In the field of energy generation and consumption, great changes are taking place. An increasing number of electrical machines are working together with power electronics. A large number of multiterminal HVDCs are planned in the transmission systems. Moreover, there are many developments and new technologies, such as high-efficiency motors, reluctance and superconducting machines.

The electrical machine operation and condition monitoring in the era of the industry 4.0 will be equally innovative. New techniques for signal processing, big data analysis, and wireless and real time monitoring devices will be used for the control and supervision of electrical machines.

This Special Issue will focus on all the new advances related to electrical machines. Papers related to modern advances in electrical machines which will shape the future in this field are most welcome.



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Special Issue



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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.

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Energies
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
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