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Efficient Motion Drive Systems and Wind Energy Generating Units with Electrical Machines for Sustainability

Guest Editor:

Prof. Dr. Maria G. Ioannides

School of Electrical and
Computer Engineering, National
Technical University of Athens,
15773 Athens, Greece

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Message from the Guest Editor

Electrical machines have attracted the attention of investigators since the early 80s. Based on the appearance of successful publications in highly quoted international journals, double-fed electrical machines have become one of the preferences of energy industries, as double-output electric generators in wind energy systems and as efficient saving double-fed motors in the heavy energy industry. The use of double-fed motors in heavy industry installations is a very efficient solution because of their capability to recover a significant percentage of unused and dissipated electric power. On the other hand, due to their ability to work as generators at a wide range of variable wind speeds, they have become part of most basic configurations in renewable energy systems, autonomous, isolated, or grid interconnected.

This Special Issue will focus on novel solutions and research trends devoted to electrical machines for sustainability in energy generation, motion, conversion, use, control, storage, recovery, economics, and management.

- Double-fed electrical machines, motors, and generators
- Special electrical machines
- Linear electrical machines, etc.



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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 Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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