Special Issue

Design, Analysis and Control of Permanent Magnet Machines

Message from the Guest Editors

Permanent magnet machines have been widely used in industrial automation, transportation electrification, aviation electrification and other fields. This Special Issue aims to provide an opportunity for researchers to present their recent work on the advances in the design and control of electrical machines. We welcome any articles dealing with innovative design and analysis of permanent magnet machines and special machines; novel electrical machine configurations and topologies; new materials application in permanent magnet machines; advanced control strategies; vibration and noise suppression of permanent magnet machines; new trends in diagnostics and condition monitoring, etc. Topics of interest for publication include but are not limited to:

- Innovative design and analysis of permanent magnet machines;
- Multiphysics coupled simulation and optimization;
- Thermal analysis and management;
- Novel electrical machine configurations and topologies;
- Fault diagnostics of permanent magnet machines;
- Vibration and noise suppression of permanent magnet machines;
- Advanced control strategies;
- New materials and manufacturing techniques in electrical machines.

Guest Editors

Prof. Dr. Yongxiang Xu

School of Electrical Engineering and Automation, Harbin Institute of Technology, Harbin 150001, China

Dr. Guodong Yu

Department of Electrical Engineering and Automation, Harbin Institute of Technology, Harbin, China

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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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