

Special Issue

Advanced Permanent Magnet Machines and Drives

Message from the Guest Editors

Permanent magnet (PM) machines have been widely used in various applications because of advantages such as high-power density, high efficiency and excellent control performance. Recently, the multi-objective optimized design, new topologies, intelligent control strategies, like sensorless control and predictive control, are employed to improve the reliability or the control performance of the PM machine systems. This Special Issue aims to present recent developments in modelling, analysis, design, control, and applications. Topics of interest for publication include, but are not limited to:

- Modelling, analysis, and design for PM machines
- High-performance PM synchronous motors and servo drives
- Advanced control algorithms for PM motor drives
- Multiphase, high-speed, high-power, low-cost PM motors and drives
- PM linear motor and its drive
- New structure and topology for PM machines and drives
- Fault diagnosis and fault tolerance in PM motors and drives
- Position/speed sensorless drives
- Thermal and vibroacoustic issues of PM machines
- Wide bandgap semiconductor device-based PM motor drives

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Deadline for manuscript submissions

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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.

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