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Advances in Permanent Magnet Motor and Motor Control

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Message from the Guest Editors

Dear Colleagues,

Permanent magnet motors are extensively utilized in various fields, such as aerospace, new energy vehicle drives, robotics, and household appliances, due to their high power density, torque density, reliability, and efficiency. The increasing demands in application fields continuously drive the performance of permanent magnet motors to new levels. Consequently, research on the design and control of permanent magnet motors has become a hot topic in both academia and industry. This Special Issue aims to provide the latest and most innovative research on all theoretical and practical aspects of permanent magnet motors. Topics of interest for publication include, but are not limited to:

- Permanent Magnet Synchronous Motors;
- Flux Modulation Motors;
- Multiphase Permanent Magnet Motors;
- Permanent Magnet DC Motors;
- Superconducting Machine;
- High-Speed Motors;
- Special Machines;
- Sensorless Control;
- Model Predictive Control;
- Sliding Mode Control;
- Motion Control and Servo Systems;
- Reliability, Diagnostics, and Tolerance;
- Other Areas in Permanent Magnet Motors.



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Special Issue



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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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