

Special Issue

Advanced Technologies for Electric Machine Optimization and Energy Efficiency Enhancement

Message from the Guest Editors

This Special Issue aims to present and disseminate the latest advancements in the design, optimization, control, and energy efficiency enhancement of electric machines across all sectors. It encourages original contributions that address emerging technologies, practical challenges, and theoretical developments that contribute to the optimal performance of electric machines in real-world applications. **Topics of interest include, but are not limited to, the following:**

- Design and optimization of high-efficiency electric machines;
- Loss minimization techniques and thermal management;
- Novel materials and manufacturing technologies for electric machines;
- Optimization of electric drives for EVs, HEVs, and industrial automation;
- Integration of AI and digital twins in electric machine design;
- Multi-objective optimization and model-based control;
- Energy-efficient motor technologies for HVAC, robotics, and appliances;
- Advances in permanent magnet, induction, and reluctance machines;
- Power electronics and control strategies for energy efficiency;
- Real-time monitoring and performance evaluation techniques.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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