Special Issue

Advanced Control Strategies for Multiphase Induction Generators: Design, Optimization, and Application 2026

Message from the Guest Editors

Dear Colleague,

This Special Issue focuses on the development of fault-tolerant advanced control strategies for multiphase induction generators, whether they are low- or high-power. Contributions may cover any of the following topics—self-tuning, intelligent control, fuzzy control, sliding mode control, predictive control techniques, etc.—with a particular focus on experimental applications of the proposed control techniques.

Keywords:

- multiphase machines
- induction machines
- advanced control strategies
- fault-tolerant control
- applications

Please feel free to contact us in case of any questions. We look forward to collaborating with you.

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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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