

Special Issue

Electric Machinery and Transformers

Message from the Guest Editor

Topics of interest for the SI may include but not be limited to:

- New materials used in electric machines and transformers;
- Novel design of electric machines (synchronous motors and generators, brushless DC motors, induction motors and conventional DC motors) for such applications as drive-by-wire, fly-by-wire, renewable energy production from wind farms, precision control systems, etc.;
- Design of low-frequency, high-frequency, and pulse transformers for various applications;
- Development of mathematical models to investigate the performance of electric machines and transformers at dynamic as well as steady state;
- Discussion of new methods for design optimization of electric machines and transformers;
- Novel drive systems to increase the performance of electric machine operation;
- Prediction of time-to-failure of the insulation in large electric machines and transformers;
- Study of thermal behavior of electric machines and transformers for various applications;
- Acoustic analysis of electric machines and transformers due to vibrations;
- Continuous monitoring of the state of magnetic as well as insulating materials in electric machine and transformers during operation.

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2021)



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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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