



Electric Machinery and Transformers

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 September 2021)

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.





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Message from the Editor-in-Chief

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