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New Advances in Permanent Magnet Electrical Machines

Guest Editor:

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Deadline for manuscript submissions:
closed (31 May 2022)

Message from the Guest Editor

Permanent magnet synchronous machines have become the most important topologies of electric machines for industrial applications. Electric machines with permanent magnets remain the best candidates due to the possibility of being incorporated in various configurations according to specific applications in conditions of high efficiency.

This Special Issue aims to provide an opportunity for researchers to present their recent work on the permanent magnets' electric machines. We welcome any article dealing with:

- New design trends of permanent magnet electric machines;
- Applications of new magnetic materials;
- Permanent magnet electric machines for specific applications;
- New topologies (rotational machines, linear machines, spherical machines, modular machines);
- Demagnetization analysis;
- Magnetic-geared electric machines;
- Noise, vibration, and heat analysis on permanent magnet electric machines;
- Control strategies;
- New adaption techniques to estimate state variables and parameters;
- Optimization techniques.

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Message from the Editor-in-Chief

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