

## Special Issue

# Advanced Permanent Magnet Machines and Drives

### Message from the Guest Editors

Permanent magnet (PM) machines have been widely used in various applications because of advantages such as high-power density, high efficiency and excellent control performance. Recently, the multi-objective optimized design, new topologies, intelligent control strategies, like sensorless control and predictive control, are employed to improve the reliability or the control performance of the PM machine systems. This Special Issue aims to present recent developments in modelling, analysis, design, control, and applications. Topics of interest for publication include, but are not limited to:

- Modelling, analysis, and design for PM machines
- High-performance PM synchronous motors and servo drives
- Advanced control algorithms for PM motor drives
- Multiphase, high-speed, high-power, low-cost PM motors and drives
- PM linear motor and its drive
- New structure and topology for PM machines and drives
- Fault diagnosis and fault tolerance in PM motors and drives
- Position/speed sensorless drives
- Thermal and vibroacoustic issues of PM machines
- Wide bandgap semiconductor device-based PM motor drives

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 September 2022)



## Energies

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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