

## Special Issue

# Trends and Applications in Permanent Magnet Synchronous Motor

### Message from the Guest Editors

The rapid development of aviation electric propulsion, aerospace servo systems, electric vehicles, high-speed railways, robots and other fields has put forward the demand for higher power density, high reliability and high dynamic response speed of high-quality permanent magnet synchronous motor systems. The analytical study of the extreme working characteristics, thermal characteristics, reliability and other characteristics of permanent magnet synchronous motors in extreme working conditions need further discussion and analysis. This Topic seeks outstanding and superior contributions related to the above permanent magnet synchronous motor characteristics, covering a wide variety of fields including, but not restricted to, the following:

- Losses in permanent magnet synchronous motors.
- Thermal analysis of permanent magnet synchronous motors.
- New Structure Permanent Magnet Synchronous Motor.
- Multi-physics field coupling approach for permanent magnet synchronous motors.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 March 2025)



## Energies

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