

## Special Issue

# High Performance Permanent Magnet Synchronous Motor Drives

### Message from the Guest Editors

Permanent magnet (PM) synchronous motor drives are widely used in industrial applications, electric vehicles, and electrical devices, thanks to their high torque density, fast dynamic response, and good overload capability. New challenges are appearing in the design of synchronous motors due to the appearance of new technical and socio-economic requirements. Moreover, recent applications require an extended sensorless capability, an outstanding flux-weakening capability, and a wide constant-power region. This Special Issue aims to collect original research and review articles on different design methodologies or solutions for PM motors and PM-assisted synchronous reluctance motors, suited for meeting the demanding specifications of the emerging applications. Since the price of PMs is continuously increasing, special solutions and experience in reducing rare-earth materials are welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2022)



## Energies

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## About the Journal

### 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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### Editor-in-Chief

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