

Special Issue

Advances in Analysis, Control and Design of Permanent Magnet Machines

Message from the Guest Editor

Permanent magnet machines are at the forefront of modern electromechanical technology, essential across applications from renewable energy systems and automotive traction to industrial automation, aerospace, and high-performance consumer products. Known for their exceptional efficiency, high power density, and precise control capabilities, these machines are indispensable in advancing sustainable technologies and high-performance systems. As their roles expand, continuous progress in their analysis, control, and design becomes increasingly crucial. This Special Issue, "Advances in Analysis, Control, and Design of Permanent Magnet Machines," invites original research papers and review articles focused on the latest innovations in these areas. We welcome contributions that explore new techniques in the modelling, control, and optimisation of permanent magnet machines, particularly those advancing current technology and offering insights into future developments.

Guest Editor

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Deadline for manuscript submissions

1 October 2026



Machines

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Impact Factor 2.5
CiteScore 4.7



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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).