

## Special Issue

# Advances in Power Electronics for Electromechanical Energy Conversion and Drive Systems

### Message from the Guest Editor

We are seeking submissions for a Special Issue of *Machines* entitled "Advances in Power Electronics for Electromechanical Energy Conversion and Drive Systems". The aim of the present Special Issue is to compile original and high-quality papers and review articles which propose new/enhanced power electronics circuits for energy conversion and drive systems. Topics of interest include, but are not limited to, the following:

- AC–DC, DC–DC, and DC–AC power converters;
- Two/multi-level power electronics converters;
- Renewable energy systems including wind, photovoltaic, etc.;
- Electric drive systems;
- New topologies and applications for power electronic converters;
- Electrical machines and power electronics in electrical vehicles;
- Observers and compensation in model mismatches.

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### Guest Editor

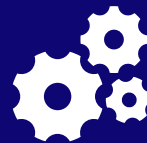
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### Deadline for manuscript submissions

31 December 2026



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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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### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
CISE–Electromechatronic Systems Research Centre, University of  
Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1  
(Control and Optimization)

#### Rapid Publication:

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).