

## Special Issue

# Advanced Electric Machines, Drives and Applications for Electric Vehicles

### Message from the Guest Editors

This Special Issue focuses on the recent developments in electric vehicles, particularly in relation to electric powertrain, from light to heavy duty vehicles. The scope covers a wide range of applications for electric powertrain, comprising electrical machine design, power electronics and storage systems. Authors are also encouraged to present their contributions related to electrification in the railroad, marine and aerospace fields. The topics of interest for presentations and research papers include but are not limited to:

- Electric vehicle powertrains
- Electrical machine design for electric vehicle application
- Energy storage systems for electric vehicles
- Energy management systems of electric vehicles
- Nonroad mobile machinery electrification
- Heavy duty vehicles
- Railroad, marine and aerospace electrification

In addition to regular research articles, review papers will be considered for this Special Issue. The focus on machines in part of the machinery research field. Electric powertrain systems are related to the journal scope, since their consideration includes the design of electrical machines and applications in propulsion.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 October 2023)



## Machines

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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  
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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).