

Special Issue

Advanced and Efficient Electric Propulsion Systems

Message from the Guest Editors

This Special Issue concentrates on the most recent technology and developments in the design and manufacturing processes of HEV and EV propulsion systems. The Special Issue's main goal is to provide a broad platform for reporting the scientific research observations on the following areas:

- Design with respect to EV and HEV driving cycles;
- High-power-density electric motors;
- Alternative batteries and energy storage systems for EVs and HEVs;
- Simulation approaches and techniques for propulsion system design and optimization;
- Propulsion system safety and reliability.

Guest Editors

Dr. Amin Mahmoudi

College of Science and Engineering, Flinders University, Adelaide 5042, Australia

Dr. Solmaz Kahourzade

SREM, University of South Australia, Adelaide 5042, Australia

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Machines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
machines@mdpi.com

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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.

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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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).