

# Special Issue

## Thermal Analysis of Electric Machine Drives

### Message from the Guest Editors

This is a call for papers for a Special Issue on "Thermal Analysis of Electric Machine Drives". This Special Issue will provide a forum for researchers and practitioners to exchange their latest theoretical and technological achievements and identify critical issues and challenges for future investigation in the thermal analysis of electric machine drives. The submitted papers are expected to raise original ideas and potential contributions to theory and practice. Topics include, but are not limited to, the following research areas:

- Temperature prediction of electric machine drives used in specific contexts;
- Thermal behavior evaluation of electric machine drives under different control modes;
- Thermal management of electric machine drives by implementing different cooling systems;
- Heat transfer and fluid flow in electric machine drives;
- Evaluation of convective heat transfer by using analytical and numerical methods;
- Cooling designs/applications for electric machine drives;
- Heat transfer enhancement techniques in electric machine drives.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 November 2022)



## 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

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### Author Benefits

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#### Journal Rank:

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

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2024).