

Special Issue

Advances in Electrical Machines, Drives and Vehicles

Message from the Guest Editors

The current industrial revolution requires a high level of control and efficiency in electrical machines. Additionally, the electrification of many types of equipment and machines such as vehicles requires very high power electronics capabilities. In light of the two aforementioned facts, IEEE Industrial Electronics Egypt, Guadalajara, and its joint Austria chapter are organizing a conference to study the advances in electrical machines, drives, and vehicles. In relation to the conference, we are also organizing a Special Issue targeting cutting-edge research on this topical issue.

Topics may include, but are not limited to, the following themes:

- Power management in electrical machines;
- Modern electrical drives;
- Power electronics and control in electric vehicles;
- Optimization in electric vehicles operation;
- IoT in EV applications;
- Modern control of electrical machines;
- Electrical machines and power electronics advances in renewable energy systems;
- Digital twin of complex machines and drives systems;
- Novel power electronics applications in motors operations and industry;
- Role of modern electric drives in 4th and 5th industry revolutions.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2022)



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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

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