

Special Issue

Innovations in Power Electronics and Control for Sustainable Energy Systems and Electrified Transportation

Message from the Guest Editor

This Special Issue aims to highlight the latest innovations in power electronics and control systems that are driving advancements in sustainable energy solutions and electrified transportation. With the ever-growing demand for greater integration of renewable energy, efficient conversion of energy, and electrification of vehicles, new technologies and strategies are essential if we are to optimize the performance and reliability of our systems. For this Special Issue, we invite you to submit original research and review articles focused on the design, modeling, and control of power electronics systems for applications in renewable energy, electric vehicles, energy storage, and microgrids. This new topic will cover a broad range of research areas, including but not limited to

- Power electronics for renewable energy integration;
- Control strategies for energy systems and electric vehicles;
- Advances in electric machines and drives;
- High-efficiency systems for microgrids and distributed energy resources;
- Technologies for electric vehicle charging infrastructure.

Guest Editor

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Deadline for manuscript submissions

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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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