



Advances in Power Electronics Converters and Control

Guest Editor:

Dr. Jose M. Sosa-Zuñiga

Laboratory of Electrical and
Power Electronics, Tecnológico
Nacional de México/ITS de
Irapuato, Irapuato 36821, Mexico

Deadline for manuscript
submissions:

closed (15 January 2023)

Message from the Guest Editor

Dear Colleagues,

In recent years, the number of applications for power electronics converters and their control has been increasing, since they play an important role in the efficient transformation of energy and in the interconnection of power systems in a wide range of uses. They are necessary in energy conversion systems, renewable energy sources, energy storage systems, distributed generation, electrical grids, transport electrification, lighting, power quality systems, medical care and rehabilitation, and the Internet of Things, among others.

Advances in power electronics converters and their control contribute to the development of sustainable energy systems that comply with various regulations and standards. Additionally, there are currently significant challenges in innovating power converter topologies and switching strategies to meet the requirements of each application, as well as in obtaining high power densities and efficiencies. There are also challenges in modeling and control techniques to ensure stable operation.

This Special Issue invites authors to submit original contributions on the latest developments in power electronics converters and control.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Ai-Qun Liu

1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, dblp, and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Mechanical Engineering*)

Contact Us

Micromachines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/micromachines
micromachines@mdpi.com
[X@micromach_mdpi](https://twitter.com/micromach_mdpi)