



Challenges for Power Electronics Converters

Guest Editors:

Prof. Dr. Fengjiang Wu

School of Electrical Engineering
and Automation, Harbin Institute
of Technology, Harbin 150001,
China

Dr. Jiandong Duan

Department of Electrical
Engineering, Haerbin Institute of
Technology, Harbin 150001,
China

Prof. Dr. Hongchen Liu

School of Electrical Engineering
and Automation, Harbin Institute
of Technology, Harbin 150001,
China

Message from the Guest Editors

This Special Issue focuses on the latest achievements of ensemble power electronics technology, including the following aspects: novel topology of converters, modeling and control strategies, fault analysis and diagnosis methods; and new principle converters in wireless power transmission and other emerging applications. The purpose is to provide opportunities for researchers in related fields to display and exchange the latest achievements, establish a database of achievements in the direction of power electronics, and provide solutions for related application fields.

Deadline for manuscript
submissions:

closed (31 August 2022)





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)