



Advanced Power Converter and Applications in Electric Vehicles

Guest Editors:

Prof. Dr. Bor-Ren Lin

Department of Electrical
Engineering, National Yunlin
University of Science and
Technology, Douliou City, Yunlin
640, Taiwan

Dr. Ke-Han Su

Graduate Program in Intelligent
Automation Systems,
Department of Electrical
Engineering, National Kaohsiung
University of Science and
Technology, Kaohsiung 82445,
Taiwan

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

We are accepting original research submission for a Special Issue of *Applied Sciences* titled “Advanced Power Converter and Applications in Electric Vehicles”.

In recent years, power converters have played an important role in electric vehicles, allowing them to achieve power transfer and conversion. Advanced power converters and applications are becoming essential for PHEV or EV power units in various ways. 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, and new principle converters in bidirectional power transmission. The purpose is to provide opportunities for researchers in related fields to display and discuss the latest achievements in the field, establish a database of achievements related to power electronics, and provide solutions for related application fields.

Prospective authors are invited to submit original contributions or survey papers for review for publication in this Special Issue.

Prof. Dr. Bor-Ren Lin
Dr. Ke-Han Su
Guest Editors





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](#)