

## Special Issue

# Advanced Power Converter and Applications in Electric Vehicles

### Message from the Guest Editors

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.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2022)



## Applied Sciences

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### 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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