

Special Issue

Multiport Converters for Renewable Energy Sources and EV (Electric Vehicle) Applications

Message from the Guest Editors

Multiport converters play a significant role in the modern energy system and EV industry. The global demand for integration of renewable energy sources into a DC microgrid system leads to the necessity of optimized and more sophisticated multiport systems. We invite papers by the following:

- Technical, economic, and environmental assessment of multiport converter applications for renewable energy systems (including domestic, community, and industrial);
- Novel methods and innovative approaches to power conversion and optimization for various multiport converter systems (theory with modelling and/or practice with implementations and case studies);
- Optimization techniques for control strategies including efficiency, reliability, and cost;
- Protection and robustness for multiport converters.

For more information on the Special Issue, please visit LINK https://www.mdpi.com/journal/applsci/special_issues/SJ900T1VO1

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Deadline for manuscript submissions

closed (20 September 2024)



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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.

Editor-in-Chief

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