

Special Issue

Research and Development on DC-DC Power Converters

Message from the Guest Editors

This Special Issue is intended to cover a wide range of topics that comprise the field of DC-DC power converters, which will be of interest to a broad number of professionals of the industry and academia who are involved in the research, development, and use of this type of converters. Therefore, it can include papers that present emerging trends and practices on DC-DC power converters, reports on product research and development, key insights presented, as well as tutorials and surveys covering the theory and applications of these converters. The topics of interest related with research and development on DC-DC power converters include, but are not limited to:

- High, Medium and Low Power/Current/Voltage
- Smart DC-DC Power Converters Applications
- DC-DC Converters based on SiC and GaN Switches
- One or Several Switches DC-DC Power Converters
- Multiport DC-DC Power Converters: SISO, MISO and SIMO
- Multiphase Interleaved DC-DC Power Converters
- Soft and Hard-switching DC-DC Converters: MRCs, QRCs and PWM
- State of the Art and Reviews on DC-DC Power Converters and Applications

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2023)



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About the Journal

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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