



## Power Converters and Control Techniques

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### Message from the Guest Editors

Dear Colleagues,

With the appeal of carbon neutrality, research on renewable energy systems, energy storage systems, electrical transports, and hybrid AC/DC microgrids has steadily increased in recent years. To boost the performance of these systems, power converters and control techniques require more sufficient studies for high efficiency, high reliability, high density, and low cost. Thus, this Special Issue aims to collect research achievements within the scope of power converters and control techniques. Topics of interest in this Special Issue include, but are not limited to:

- New topologies, including dc–dc converters and ac–dc converters with high efficiency, high density, and low cost, especially with the new emerging devices.
- New modulation schemes for high power quality and high efficiency.
- Advanced dynamic control strategies for high robustness and high reliability of power converters.
- Fault diagnosis and fault tolerance techniques of power converters.
- Soft start-up and hot-swap operations of power converters.





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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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