Special Issue

Digital Control of Power Electronics Converters

Message from the Guest Editor

This Special Issue of *Applied Sciences* intends to collect and disseminate the latest research and development related to "Digital Control of Power Electronics Converters". The topics of interest include, but are not limited to:

- Predictive control of power electronics converters
- Sliding mode control of power electronics converters
- Adaptive control in power electronics converters and applications
- Fuzzy logic in power electronics converters and applications
- Neural networks in power electronics converters and applications
- Genetic algorithms in power electronics converters and applications
- Fault detection and fault-tolerant control of power electronics converters
- Power flow control and optimization algorithms
- Advanced modulation and control strategies
- Advanced grid synchronization techniques
- New power electronics converters
- Multilevel converters
- Matrix converters
- High voltage dc systems
- Smart grids
- Microarids
- Energy storage systems
- Distributed generation
- Renewable energy systems
- Electric vehicles
- Power quality

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Deadline for manuscript submissions

closed (31 January 2020)



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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 multidimensional network.

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