Special Issue

Power Electronics: Control and Applications

Message from the Guest Editor

This Special Issue aims to gather pioneering research and innovative advancements in the field of power electronics, with a focus on control strategies and their diverse applications. As the demand for efficient energy conversion and management continues to rise, the role of power electronics becomes increasingly vital across various sectors, including renewable energy systems, electric vehicles, smart grids and industrial automation. We invite original contributions that explore cutting-edge control methodologies, novel circuit topologies, and practical implementations that enhance the performance, reliability and efficiency of power electronic systems. The aim of this Special Issue is to provide a comprehensive platform for researchers, engineers and industry professionals to disseminate their latest findings and insights. We encourage submissions that address challenges and propose solutions related to dynamic control, fault tolerance, energy optimization and integration of emerging technologies in power electronics.

Guest Editor

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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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