Special Issue

Advancements in Power Electronics and Control Technologies

Message from the Guest Editor

This Special Issue is dedicated to innovative research and breakthroughs in power electronics and their control methodologies. It aims to be a premier platform for academics, researchers, and professionals worldwide to share pioneering work, exploring both theoretical advancements and practical implementations. As power electronics become critical in energy systems, electric transportation, renewable energy integration, and smart grid technologies, sophisticated control techniques to enhance efficiency, reliability, and performance are essential. Submissions pushing the boundaries of technology, including novel converter topologies, advanced modeling and simulation, innovative control strategies, and the latest in semiconductor devices and materials science, are highly recommended. Join us in shaping the future of power electronics and control technologies, contributing to a sustainable and technologically advanced tomorrow. Your research could transform power system operations and management across various sectors. We look forward to your valuable contributions and to fostering a vibrant community of experts driving progress in this dynamic field.

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.

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