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Power Electronic Systems for Efficient and Sustainable Energy Supply 2021

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Message from the Guest Editors

Over the last decade, the increasing penetration of renewable energy systems and the appearance of novel power supply paradigms, such as active distribution grids (part of the Smart Grids), have stimulated extensive research on advanced power converter topologies and control algorithms, with the main emphasis on merits such as a wide input voltage and load regulation range, improved quality of the input and output parameters, enhanced control flexibility, and low cost. Another challenging task in the design of such converters is their long-term reliability for ensuring the continuity of operation, and the resilience of their electric power supply system. This Special Issue aims to concentrate the latest developments and to allow researchers to discuss and share experiences so as to advance this technology.

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Special Issue



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Message from the Editor-in-Chief

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