

Special Issue

Advanced DC–DC Converter Topologies for DC Microgrids

Message from the Guest Editors

Electrical grids are becoming increasingly modern, given the types of loads and distributed generation alternatives. Research on efficient grids is becoming essential. Since most loads operate internally on a direct current (as they have a rectifier stage), direct-current grids are a promising alternative for distribution and within some manufacturing plants. The advantages of direct-current grids are numerous, especially when connecting to other sources. However, for these advantages to manifest, direct-current converter topologies (multilevel, modular, resonant, hybrid, etc.) need to be studied. Within this context, this Special Issue aims to showcase scholarship on converters designed for direct-current networks.

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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