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Trends and Prospects in DC-DC/DC-AC Converters and Their Control Techniques for Renewable Energy Applications

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to bring together the latest research on DC-DC/DC-AC converters and their control techniques for use in renewable energy applications. It is intended to constitute a useful resource for researchers, engineers, and practitioners working in the field of power electronics and renewable systems. Potential authors energy encouraged to submit research papers that present original and innovative contributions to the field. Topics of interest include, but are not limited to advanced converter topologies, soft switching techniques, resonant converters, multilevel converters, and power electronic interfaces for use in renewable energy systems. In addition, the Special Issue welcomes papers on advanced control strategies for DC-DC/DC-AC converters, including discussions of voltage / current mode control, predictive control, sliding mode control, PID control, and model predictive control.

Prof. Dr. Ramy Georgious Dr. Sarah Saeed Guest Editors

Keywords

DC-DC/DC-AC converters
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Message from the Editor-in-Chief

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