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Review of Advanced Power Electronics Solutions

Guest Editors:

Dr. Oleksandr Husev

Department of Mechatronics and
Electrical Engineering, Tallinn
University of Technology, EE-
19086 Tallinn, Estonia

Dr. Carlos Roncero-Clemente

Department of Electrical,
Electronic and Control
Engineering, University of
Extremadura, 06006 Badajoz,
Spain

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Message from the Guest Editors

One of the greatest problems that the world is facing today is environmental pollution and the depletion of natural resources. It forces the development of different new green technologies. Renewable energy integration in AC residential grids, along with storage systems, is a hot topic of power electronics today. At the same time, the new tendency consists of the limitation of the injection of power from renewable sources to the AC grid. New challenges crop up. The DC grid and wireless power transform are new trends in power electronics that have to solve existing problems.

This Special Issue is devoted to the state of art review of novel or recently proposed power electronics solutions devoted to the arising power electronics trends. The main focus will be on the review of emerging solutions, their feasibility study through the acquisition of new knowledge in areas related to power circuit design, the control and implementation of advanced materials and active and passive components, and comparative analysis.



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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