Special Issue

Power Electronics and Power Quality 2019

Message from the Guest Editor

Electric power systems are experiencing new challenges: distributed generation, the integration of renewable energy systems, the widespread use of plug-in electric and hybrid–electric vehicles, the electrification of railway systems, the distributed control in smart grids, and the interconnected or islanded operation of microgrids elevates the importance of power quality. This scenario stimulates research and development in monitoring technologies and power electronics solutions to ensure the power quality of future power systems. This Special Issue of *Energies* will collect and disseminate the latest advances in "Power Electronics and Power Quality", namely in terms of: advanced power quality monitoring; active power conditioners for power quality improvement; power quality in smart grids and microgrids; energy storage systems with power quality ancillary services; electric vehicle battery chargers with smart operation modes; and integration of renewable energy systems with power quality ancillary services.

Guest Editor

Dr. José Gabriel Oliveira Pinto
Departamento de Electrónica Industrial, Universidade do Minho, Campus de Azurém, 4800-058 Guimarães, Portugal

Deadline for manuscript submissions

closed (31 May 2020)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/25263

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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