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## Power Electronics and Power Quality

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### Message from the Guest Editor

Dear Colleagues,

Electric power systems are experiencing new challenges: the distributed generation, the integration of renewable energy systems, the widespread 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 brings to a higher level the importance of power quality. This scenario stimulates the research and development in monitoring technologies and power electronics solutions to ensure the power quality of the future power systems.

This Special Issue of *Energies* collects and disseminates 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; integration of renewable energy systems with power quality ancillary services.

Dr. José Gabriel Oliveira Pinto

*Guest Editor*



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# Special Issue



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## Message from the Editor-in-Chief

*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.

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