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Power Electronics in Power Quality

Guest Editor:

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Deadline for manuscript submissions:
closed (29 April 2017)

Message from the Guest Editor

Dear Colleagues,

The Special Issue, "Power Electronics in Power Quality", of *Energies* invites students, engineers, researchers, to contribute original, as well as review material, addressing recent advances on the identification, understanding, quantification, prevention, reduction, and mitigation of power quality issues using switching power converters. Potential topics include, but are not limited to:

- Unified power quality conditioners
- Active and hybrid power filters
- SiC and GaN based power converters for power quality
- New control techniques for power quality improvement
- Power quality in AC and DC microgrids and smart grids
- Energy storage/management and converters to mitigate sags, interruptions, frequency variations
- Clean and smart EV chargers (G2V, V2G operation)
- Fault tolerant power electronic systems for the cleanliness and quality of power
- Power quality and renewable energy penetration
- Fault tolerant converters and power quality in shipboard power systems and in all-electric aircrafts

Prof. Dr. Jose Fernando Alves da Silva
Guest Edito

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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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