

Special Issue

Renewable and Sustainable Energy Conversion Systems

Message from the Guest Editors

The aim of the present Special Issue is to attract original high-quality papers. Major topics include, but are not limited to:

- DC-DC converters supplied by green sources of energy
- Switched-capacitor converters for renewable energy
- DC-AC inverters supplied by environmentally friendly sources of energy
- Switched-capacitor inverters and AC-AC regulators for renewable energy cells and high frequency distribution line application
- Soft-switching for high switching frequency operation
- Smart grid supplied by renewable power sources
- Energy harvesting for smart applications
- Wireless power transfer for distributed energy systems
- Transformerless grid-tied micro inverters supplied by the renewable power sources
- Common-grounded DC-AC inverters with the single-stage static and/or dynamic voltage boosting gain suitable for renewable energy applications
- New energy electric vehicle technology
- Stability analysis for distributed new energy systems
- Control technology of power quality and stability based on switched-capacitor gene for distributed new energy systems
- Power converter reliability, power density, and costs for renewable energy systems

Guest Editors

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Deadline for manuscript submissions

closed (10 July 2022)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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