

## Special Issue

# Power Electronic Circuits and Techniques for Renewable Energy Conversion and Storage

### Message from the Guest Editors

To focus on the latest scientific results and advances in the analysis, the design and the optimization of power electronic circuits and techniques for the conversion and storage of renewable energy sources; To bring together scientists adopting several approaches and working on the above topics; To promote and share as much top-level research in the field of power electronic circuits for renewable energy systems as possible. This Special Issue is open to both original research articles and review articles covering (but not limited to) the analysis, the design and the optimization of power electronic circuits for the conversion and storage of the following renewable energy sources:

- Photovoltaic sources;
- Vibrations (piezoelectric, electromagnetic, electrostatic and magnetostrictive harvesters);
- Wind turbines;
- Thermoelectric generators;
- Regenerative suspension systems (automotive and railway applications);
- Other innovative energy harvesting systems (rainfall, electromagnetic fields, pyroelectric, bistable systems for satellite applications).

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 November 2024)



## Energies

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Enrico Sciubba  
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