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Power Electronic Circuits for Electric Drives and Renewable Energy Sources

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Deadline for manuscript submissions:
closed (25 March 2022)

Message from the Guest Editors

We are inviting submissions to a Special Issue of *Energies* on "Power Electronic Circuits for Electric Drives and Renewable Energy Sources".

Low-carbon and sustainable and green future goals push us to think outside the box and abandon the conventional power systems. The transition to fully renewable smart grids with a high penetration of power electronic converters will inevitably happen in the near future. In this scenario, efficiency and reliability are the keywords when considering the improvement of various energy generation technologies, such as wind, tidal, wave, photovoltaic, and power electronic interfaced loads. New advances in the materials of the power switching devices, new circuit topologies, and non-conventional converter layouts are some of the criteria for paper acceptance in this very broad Topical Issue.

This Special Issue aims to consolidate works on technological advances with performance and reliability optimization methods in the area of power electronics, connected to both renewable energy generation systems and renewable energy consumption.

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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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