

## Special Issue

# Analysis, Modelling, Design and Simulation of Power Electronics for Energy Storage and Power Grid

### Message from the Guest Editors

In recent years, there has been an intensive energy market transformation in the world. Renewable energy sources have an increasing share in global energy production. A fundamental problem in the case of sources such as solar and wind farms is the storage of the generated energy. Energy storage with a long life and the ability to quickly charge and discharge are sought after. The use of new types of energy storage is possible thanks to the intensive development of converter systems and power electronics. There are also forms of storage based on electronic components, such as capacitors and super-caps. This Special Issue covers new solutions in the field of inverters, converter systems, power electronics, energy storage integrated with power electronic systems, and new ways to extend the life of storage. keywords:

- power electronics
- converter systems
- renewable energy sources

### Guest Editors

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### Deadline for manuscript submissions

closed (28 November 2023)



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*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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