Special Issue

Power Electronics for Energy Storage

Message from the Guest Editor

Energy storage, including batteries, super-capacitors, superconductor magnetics and fuel cells, are common types used in power electronics systems. They may be used alone, combined with one or more energy storage types, or even in the form of chemical or material combined energy storage. Today, most mobility systems, such as electric vehicle, electric vessel and more electric aircrafts, use certain amounts of energy storage devices. Renewable energy sources are usually either connected to grids or use energy storage units for storage. Even buildings, power distribution, and power systems also use energy storage devices for power backup, power compensation and energy buffers. All of them also need power electronic converters to assist power conditioning, charging and discharging for energy storage. This Special Issue aims to provide an opportunity for us to propose, discuss and publish new findings in energy storage using power electronics methods. Your contribution may describe new theories, modelling, characterizations, improvements, topology, control methods, and applications. I am looking forward to receiving your submissions.

Guest Editor

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Deadline for manuscript submissions

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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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