



Power Electronics for Energy Storage

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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.





Editor-in-Chief

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Message from the Editor-in-Chief

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