Special Issue

Recent Developments and Emerging Trends of New Electrical Energy Storage Systems

Message from the Guest Editor

This Special Issue focuses on technology that enables, improves, and reduces the cost for electric energy storage systems. Both the storage elements and power electronics for the efficient utilization of the storage elements are covered. This includes, among others, battery systems, converters for battery/supercapacitor charging and/or discharging, bidirectional power converters, and technology utilizing car batteries for the grid or personal storage (vehicle to grid). It also includes technology for combining different energy storage elements into a system in order to achieve some benefits such as supercapacitors/fuel cells, superconducting magnetic energy storage (SMES)/batteries, pump power/battery, etc. The cost of electrical energy storage systems is currently very high, and cost-effective systems are very interesting, such as refurbished battery storage, low-cost energy storage elements, low cost converters, or other innovative solutions.

Guest Editor

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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