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Analysis and Design of Hybrid Energy Storage Systems

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Message from the Guest Editor

Dear Colleagues,

This Special Issue focuses on the analysis, design and implementation of hybrid energy storage systems across a broad spectrum, encompassing different storage technologies (including electrochemical, capacitive, mechanical or mechanical storage devices), engineering branches (power electronics and control strategies; energy engineering; energy engineering; chemistry; modelling, simulation and emulation techniques; data analysis and algorithms; social and economic analysis; intelligent and Internet-of-Things (IoT) systems; and so on.), applications (energy systems, renewable energy generation, industrial applications, transportation, Uninterruptible Power Supplies (UPS) and critical load supply, etc.) and evaluation and performance (size and weight benefits, efficiency and power loss, economic analysis, environmental costs, etc.).

Keywords

- hybrid energy storage
- storage technologies
- power management
- renewable energy integration
- electric transportation
- power quality
- smart energy management



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Special Issue



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Message from the Editor-in-Chief

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