



Condition Monitoring and Diagnostics of Energy Storage Systems Components

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Message from the Guest Editors

Nowadays, the importance of energy storage has become paramount in different areas, such as the production and distribution of electric energy, portable tools and devices, electric vehicles (EVs), etc. The aim of this Special Issue is to provide an opportunity for scientists, researchers, and practicing engineers to share and disseminate their latest discoveries and results in the aforementioned fields, indicating the future trends for condition monitoring and diagnostics of energy storage systems components.

Topics include, but are not limited to, the following research areas:

- Fault detection and fault tolerance in energy storage systems
- Battery-management systems (BMS)
- Life time diagnostics of capacitors and supercapacitors
- State-of-charge and state-of-health estimation
- Thermal performance of energy storage systems
- Emerging battery technologies
- Power electronics for energy storage systems
- Life cycle analysis
- Machine learning for the performance analysis, diagnosis, prognostics, and management of energy storage systems





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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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