Special Issue

Advanced Lithium-Ion Battery Management in Renewable Energy Systems

Message from the Guest Editors

The worldwide energy revolution is stimulating the rapid development of renewable power generation, e.g., solar photovoltaic power and wind power. Due to the inevitable uncertainty and intermittency of the renewable energy systems, the support from energy storage plays a key role in mitigating the power fluctuation and improving the flexibility of electricity usage. Among all the energy storage candidates, different kinds of lithium-ion battery have dominated the market due to their superior performance. However, there is still a research gap in exploring the applications of different lithium-ion battery techniques in renewable energy systems, especially for sharing the knowledge from battery cell level to system level. By focusing on this issue, this Special Issue intends to cover novel findings, innovative methodologies, and potential breakthroughs in this field. We look forward to the contributions of original research articles and review articles from academia and industry for publication in this Special Issue.

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