Special Issue

Modeling, Diagnosis and Protection for Li-Ion Battery Energy Storage System—2nd Edition

Message from the Guest Editors

Topics of interest for publication include, but are not limited to:

- Accurate modeling and fast simulation of Li-ion battery systems;
- Application of digital twin for lithium-ion battery systems;
- The estimation of battery states, such as SOC, SOH, SOF, SOP, and temperature;
- Fast charging and charging optimization methods;
- Battery thermal management;
- Design and application of battery virtualization equipment;
- Reliability optimization techniques for lithium-ion battery systems;
- State parameter prognosis and fault diagnosis of lithium-ion battery systems;
- Thermal runaway and thermal failure mechanism;
- Safety protection technology of lithium-ion battery pack;
- Battery management system (BMS) optimization design technology.

Guest Editors

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Dr. Linfeng Zheng

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Dr. Dongsheng Ren

Deadline for manuscript submissions

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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