



Advances in Battery Status Estimation and Prediction

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Message from the Guest Editors

This Special Issue highlights research efforts towards advanced battery lifetime prediction methodologies and/or algorithm development studies, in terms of contributions (i.e., research/perspective/review articles). Methodologies and characterization techniques to predict battery aging from cell to pack level are needed. Authors are encouraged to submit original articles addressing including, but not limited to, the following topics:

- AI or data-driven battery life prediction;
- Battery aging and lifetime prediction models;
- Battery state of health estimation;
- Diagnosis and prognosis of battery systems;
- Lithium-ion batteries (cylindrical, prismatic, and pouch-type batteries);
- Lithium polymer;
- Nickel-metal hybrid batteries;
- Online battery life prediction;
- Physics-informed aging modeling;
- Remaining useful life prediction;
- Renewable energy-related technologies.





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Message from the Editor-in-Chief

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