Special Issue

Battery Management System for Future Electric Vehicles, Volume II

Message from the Guest Editors

This Special Issue aims to address the recent developments in battery modeling; parameter estimation; prediction of remaining useful life; and related control algorithms for power, lifetime, and thermal management. Contributions related to charging approaches and their effects on battery performance are also welcome. Innovative hybridization concepts to assist, protect, and/or extend battery life and/or performance will also be encouraged.

Keywords:
Battery management;
Battery modeling;
Battery state estimation;
Battery monitoring;
Thermal management;
Hybrid electric vehicles, hybrid electric powertrains;
Cycle and calendar life, modeling, and control;
Lifetime modeling, remaining useful lifetime models and evaluations;
Charging approaches: models, experiments;
Filters-based prognosis of battery health;
Optimal component sizing for battery management;
Optimal hybridization schemes for better battery management

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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