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Optimization of Operating Conditions for Battery Thermal Management System

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Message from the Guest Editors

The BTMS (battery thermal management system) is an important part of electric vehicles which uses lithium-ion batteries. The BTMS can be divided into three types: air-cooled, liquid-cooled, and phase-change material-based cooling. The BTMS should confirm that the maximum temperature and the maximum temperature difference are in acceptable regions. In this Special Issue, we aim to pay particular attention to the design and optimization of the BTMS operating conditions under extreme environments. Within this Special Issue, we aim to conduct method collection within this field.

The scope of this Special Issue includes the following topics: (1) design of battery thermal management system; (2) optimization of battery thermal management system; (3) operating conditions adjustment under extreme environments.

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Message from the Editor-in-Chief

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