Special Issue

Design of Smart Battery Management System for Electric Vehicles

Message from the Guest Editor

The design of battery management systems has become a hot topic in research due to its numerous applications, e.g., in electric vehicles and portable electronics. The basic aim of this Special Issue is to provide the platform to share the latest findings on this subject (either research or review articles). Potential topics of interest include but are not limited to the following:

- Battery modeling to estimate the online state of charge, state of heath, and state of function;
- Optimal battery charging strategy;
- Remaining useful life prediction;
- Application of machine learning in battery management system;
- Battery aging and degradation;
- Hybrid energy storage systems, such as battery and supercapacitor

Guest Editor

Prof. Dr. Muhammad Umair Ali
Department of Artificial Intelligence and Robotics, Sejong University, Seoul 05006, Republic of Korea

Deadline for manuscript submissions

closed (31 December 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/86737

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)

MDPI