batteries

an Open Access Journal by MDPI

IMPACT FACTOR 4.0

CITESCORE 5.4

Battery Integration and Operation in Electro-Mobile Applications

Guest Editor:

Dr. Erik Schaltz
Department of Energy Technology, Aalborg University, DK-9220 Aalborg, Denmark

Deadline for manuscript submissions:
closed (20 May 2018)

Message from the Guest Editor

Dear Colleagues,

This Special Issue of Batteries focuses on several aspects regarding battery integration and operation in electro-mobile applications. Topics of interests include, but are not limited to:

- Pack design, failure mitigation and thermal management of batteries
- Battery-management-systems (BMSs), e.g., dissipative and non-dissipative balancing topologies and strategies, centralized or distributed configurations, etc.
- On and offline diagnostic, prognostic and condition monitoring methods on batteries
- Power electronic converters for batteries
- Energy management strategies in hybrid electric applications
- Fast charging topologies, concepts and influence on battery performance
- Battery lifetime investigation based on specific mission profiles and strategies
- Experiences on emerging batteries, e.g., Li-S and Mg-ion batteries

Electro-mobile applications include hybrid and electric vehicles, buses, trucks, trains, ferries, airplanes, electric bikes, drones and other mobility solutions.

Assoc. Prof. Erik Schaltz
Guest Editor

mdpi.com/si/11491

Special Issue

batteries

an Open Access Journal by MDPI

IMPACT FACTOR 4.0

CITESCORE 5.4

Editor-in-Chief

Prof. Dr. Andreas Jossen
Institute for Electrical Energy Storage Technology (EES), Technical University München (TUM), Arcisstrasse 21, 80333 Munich, Germany

Message from the Editor-in-Chief

Take the opportunity to publish your original scientific work or a review paper concerning battery materials, battery technology or battery application within this new open access journal. Along with material science, the journal also addresses engineering and multidisciplinary research topics, such as cell and system design or storage system integration. Publishing proffers visibility for the benefit of other experts and facilitates discussion of the research results within the field. You are invited to publish your work, read published papers and to participate in topical discussions.

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), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Electrochemistry*) / CiteScore - Q2 (*Electrochemistry*)

Contact Us

Batteries Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/batteries
batteries@mdpi.com
𝕏@batteriesmdpi