



Battery Management Systems for Electric and Hybrid Vehicles Applications

Guest Editor:

Dr. Clemente Capasso

National Research Council of Italy, Institute of Sciences and Technologies for Sustainable Energy and Mobility, 80125 Naples, Italy

Deadline for manuscript submissions:

closed (31 July 2023)

Message from the Guest Editor

We are glad to extend a warm invitation to all colleagues who would like to submit their research papers to this Special Issue of *Electronics*, entitled “Battery Management Systems for Electric and Hybrid Vehicles Applications”.

Electric and plug-in hybrid vehicles (PEVs) are considered to be a promising supporting technology for the long-awaited transition to more sustainable mobility systems, especially in urban areas. These kinds of vehicles have received great attention and popularity thanks to their potential for reducing environmental pollution and fossil fuel dependency.

Recent developments in energy storage technologies are supporting the increasing spread in the market of a new generation of PEVs, characterized by attractive costs and extended electric ranges, which meet most practical needs of vehicle owners. Safe and reliable use of these new storage technologies involves the development of proper battery management systems (BMSs) for controlling both the electric and thermal behavior of the on-board battery packs.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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), CAPus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank: JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://x.com/electronicsMDPI)