

Special Issue

Advanced Battery Technologies: New Applications and Management Systems

Message from the Guest Editors

In recent years, the high performance of new battery technologies combined with the continuous improvement of their cost-competitiveness have been key to the development of an exciting range of applications in both commercial and industrial fields. The main aim of this Special Issue is to seek high-quality submissions that highlight emerging applications with advanced battery technologies, address recent breakthroughs in the design of Battery Management Systems (BMS), efficient battery fast-chargers, smart batteries, and integration of Battery Energy Storage Systems (BESS) in electromobility and stationary applications.

The topics of interest include, but are not limited to:

- Disruptive Battery Technologies
- Advanced Battery Management Systems (BMS)
- Efficient Battery Fast-Chargers
- Smart Batteries with New Functionalities
- Innovative Control Strategies for Battery Energy Storage Systems (BESS): Electromobility and Stationary Applications

Guest Editors

Prof. Dr. Manuela González

Electrical and Electronics Engineering Department, University of Oviedo, Campus de Gijón, Edificio 3, 33204 Gijón, Spain

Dr. David Anseán

Department of Electrical Engineering, University of Oviedo, 33204 Gijón, Spain

Deadline for manuscript submissions

closed (31 December 2020)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.3



mdpi.com/si/24366

Electronics

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.3



[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)



About the Journal

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 guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Control and
Systems Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.4 days after
submission; acceptance to publication is undertaken in 2.4
days (median values for papers published in this journal in
the second half of 2024).