

Special Issue

Electric Vehicle Power Conversion Technologies

Message from the Guest Editor

Electric Vehicles (EVs) will play a critical role on the path towards reducing greenhouse gas emissions in transportation. In comparison to vehicles with internal combustion engines, EVs require many power conversion stages, therefore presenting significant new opportunities for researchers and the power electronics industry. We are inviting submissions for a Special Issue of *Energies* on the subject area of "Electric Vehicle Power Conversion Technologies". This Special Issue will focus on emerging power conversion technologies focusing on topologies, power converter control strategies and power converter modelling techniques that are targeted to electric vehicle applications. Specific topics of interest for publication must focus on EVs and include, but are not limited to:

- battery chargers
- bi-directional converters
- drives
- cell balancing circuits
- power conversion architectures

Guest Editor

Prof. Wilson Eberle

School of Engineering, The University of British Columbia, Okanagan, Canada

Deadline for manuscript submissions

closed (30 November 2019)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



mdpi.com/si/18606

Energies

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

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





Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



[mdpi.com/journal/
energies](https://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 Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 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)