



Electric Vehicle Power Conversion Technologies

Guest Editor:

Prof. Wilson Eberle
School of Engineering, The
University of British Columbia,
Okanagan, Canada

Deadline for manuscript
submissions:

closed (30 November 2019)

Message from the Guest Editor

Dear Colleagues,

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.

The Guest Editor is 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





energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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.

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 Compindex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)