



energies



an Open Access Journal by MDPI

Multilevel Power Converters for Use in Mobility and Transportation Applications

Guest Editor:

Dr. Cherif Larouci

ESTACA, ESTACA-Lab, Energy and
Embedded Systems for
Transportation Research
Department, 78066 Montigny-Le-
Bretonneux, France

Deadline for manuscript
submissions:

closed (20 September 2023)

Message from the Guest Editor

Dear Colleagues,

The mobility and transportation domain are currently facing several transitions, such as energy, environmental, digital, societal, etc. These transitions will be increasingly decisive in the future. The electrification of transportation systems supported by appropriate design methodologies and tools is one of the most promising solutions to meet energy and environmental constraints.

This call focuses on the potential of using multilevel power converters in transportation applications including electric vehicles, more-electric aircraft, electric aircraft, trains, electric boats, etc.

Topics of interest for publication include, but are not limited to:

- New transportation applications using multilevel power converters;
- New multilevel power converters architectures and technologies (SiC, GaN);
- The design approach of multilevel power converters;
- Optimization of multilevel power converters under multiphysics constraints;
- Control of multilevel power converters;
- On-board energy management.



mdpi.com/si/165078

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Industrial Engineering, University
Nicolò 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 Compendex, 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://x.com/energies_mdpi)