

Special Issue

Multilevel Power Converters for Use in Mobility and Transportation Applications

Message from the Guest Editor

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.

Guest Editor

Dr. Cherif Larouci

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

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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 Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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