



Onboard Energy Storage and Conversion Solutions for Green Mobility

Guest Editors:

Dr. Xin Gao

1. Institute of Energy and Process Systems Engineering, Langer Kamp 19b, 38106 Braunschweig, Germany

2. SE2A Sustainable and Energy Efficient Aviation, Technical University of Braunschweig, 38106 Braunschweig, Germany

Dr. Samuel Simon Araya

Luxembourg Institute of Science and Technology, 41 Rue du Brill, 4422 Esch-Belval Belvaux Sanem, Luxembourg

Deadline for manuscript submissions:

31 October 2024

Message from the Guest Editors

The Guest Editors are inviting submissions to a Special Issue of Energies on the subject area of “*Onboard Energy Storage and Conversion Solutions for Green Mobility*”. For future clean road vehicles and aviation (including urban air mobility), hydrogen-electric powertrains are gradually gaining their popularity. These powertrains require fuel cells, e.g., PEM, and their systems of higher (1) specific power; (2) specific energy; (3) efficiency and (4) reliability.

This Special Issue will deal with novel design, optimization and operation techniques for these onboard fuel cells and systems for green mobility, including onboard energy storage solutions as well. Topics of interest for publication include, but are not limited to:

1. Thermofluids process integration:
2. Thermofluids structure design; and
3. Hydrogen storage system design and operation.





energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 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://twitter.com/energies_mdpi)