Special Issue

Sustainable Development of Alternative Fuels Infrastructure: Fuel Cells, Hydrogen Production, Conversion and Storage

Message from the Guest Editors

This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modelling and control, energy conversion and management, condition monitoring, and environmental impact of all alternative fuel infrastructure components. Topics of interest for publication include, but are not limited to:

- All aspects of sustainable development of alternative fuels infrastructure and its elements: fuel cells, electrolysers, PtX technology, logistics and transport of alternative fuels, and a review of technical and economic issues regarding alternative fuels;
- Energy conversion, modelling and control of fuel cell systems in automotive and stationary applications;
- Experimental research and advanced methods of modelling the drive system of alternative fuel vehicles;
- Novel materials and their applications in alternative fuels infrastructure components;
- Hydrogen production methods and hydrogen capture from water vapor;
- Alternative fuels from RES applications in sector coupling;
- Implementations of and research on distributed generation devices powered by alternative fuels;

Guest Editors

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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.

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