Special Issue

Hydrogen-Based Hybrid Energy Systems: Optimization, Control and Economic Issues

Message from the Guest Editors

This Special Issue intends to provide a platform for researchers and practitioners from both academia and industry in the area of energy management and control of hybrid RE-based systems in stationary and mobile applications. For these applications, various aspects related to power/energy density, performance, durability, energy management, and safety should be examined. In this Special Issue, authors are invited to submit original papers covering but not limited to the following topics: renewable energy; battery and/or fuel cells integration; hybridization in transportation applications; green buildings; hydrogen potential; hydrogen-based technologies in critical energy challenges; fuel cell applications; hydrogen in transport through fleets, freight, and corridors; electrolyser technologies: performance and cost analysis; technology readiness ratio and analysis; hydrogen storage tanks and systems; renewable energy for hydrogen production; socio-economic barriers and promoted policies; and regulatory barriers and harmonized standards for fuel cells and hydrogen systems.

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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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