Special Issue

Innovative Hydrogen Energy Processes and Technologies

Message from the Guest Editors

Several technologies have evolved through the years, for hydrogen production/storage and utilization, while at the same time, the field of hydrogen applications has expanded rapidly in all areas of our daily lives. Hydrogen production methods are steadily becoming more feasible, allowing hydrogen to permeate even deeper in the global market.

For the time being, for applications such as power generation, fuel cell vehicles are the most dominant in terms of hydrogen utilization, but they are expected to expand even further, considering the increasingly stringent legislation in regard to the greenhouse emissions. The use of hydrogen in marine applications has already gathered the interest of both the scientific community and the industry, while the first hydrogen powered ferries will soon appear at the horizon.

This Special Issue aims to bring together innovative hydrogen production processes and technologies with their commercial applications to further increase the impact of hydrogen on the global energy market. Original research articles and comprehensive reviews along with well-documented case studies will be considered for publication.

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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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