# Special Issue

# Hydrogen-Based Energy Systems for Sustainable Transportation

## Message from the Guest Editors

This Special Issue's objective is to present and disseminate the most recent advances in the theory, design, modeling, application and control of fuel cell-based vehicles, including both low-temperature and high-temperature fuel cells, as well as hydrogen stations and the associated refueling processes. Publication-worthy subjects can include, but are not restricted to:

- All aspects of hydrogen refueling stations (HRSs), including on-site HRSs and off-site HRSs.
- Modeling or experimental activities on HRSs.
- Thermodynamic investigation of the hydrogen refueling process and current procedures.
- Innovative applications of HRSs or case studies of industrial relevance.
- Applications of low- and high-temperature fuel cells in electric powertrains.
- Sustainable mobility with fuel cell-based systems for road, rail and maritime applications.
- Control strategies for fuel cell-based powertrains.
- Techno-economic analyses of sustainable mobility scenarios, of hydrogen refueling stations and related hydrogen valleys.

## Guest Editors

Dr. Matteo Genovese

Dr. Francesco Piraino

Prof. Dr. Petronilla Fragiacomo

## Deadline for manuscript submissions

closed (25 September 2024)

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# About the Journal

## 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.

## Editor-in-Chief

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