

Special Issue

Flexible and Secure Operation of Multi-Scenario Integrated Energy System Coupled with Electricity and Hydrogen

Message from the Guest Editors

This Special Issue aims to introduce and disseminate advanced technologies and pilot studies that exploit the advantages of electric–hydrogen coupling to enhance the ability of IESs to cope with the challenges of different scenarios. We invite you to submit high-quality original research papers, case studies and reviews related to the operation of IESs coupled with electricity and hydrogen. Topics of interest for publication include, but are not limited to the following:

- modeling, operation and trading of integrated energy systems coupled with electricity and hydrogen
- modeling, operation and trading of micro-energy grids on islands or island clusters
- flexible potential exploitation and multi-energy management of integrated energy systems
- security and resilience enhancement of integrated energy systems in extreme scenarios
- advanced decision making algorithms (analytical and artificial intelligence) in integrated energy systems
- carbon emission evaluation and mitigation in integrated energy systems

Guest Editors

Dr. Xingtang He

Key Laboratory of Smart Grid of Ministry of Education, Tianjin University, Tianjin 300072, China

Dr. Xiaolong Jin

School of Electrical and Information Engineering, Tianjin University, Tianjin 300072, China

Dr. Sheng Wang

School of Engineering, Newcastle University, Newcastle, UK

Deadline for manuscript submissions

5 June 2026



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/225473

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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