

Special Issue

Simulation and Optimisation for Operational Decision-Making in Renewable Energy Supply Chains and Systems

Message from the Guest Editor

We welcome submissions that address, but are not limited to, the following themes: General Topics:

- Simulation and optimisation for real-time energy operations;
- Operational scheduling, dispatch, and control of renewable energy systems;
- Techno-operational modelling of renewable energy supply chains;
- Short-term forecasting and analytics for demand, generation, and pricing;
- Digital Twin applications for operational monitoring and control;
- AI and IoT for predictive maintenance and operational analytics;
- Lifecycle operations and performance optimisation;
- Risk and uncertainty modelling in day-to-day energy operations;

Optional Focus Area: Hydrogen Systems

- Modelling and optimisation of hydrogen production, storage, and distribution;
- Feasibility and market development for hydrogen infrastructure;
- Data-driven tools for hydrogen logistics and network design;
- Lifecycle assessment and sustainability metrics for hydrogen systems;
- Simulation-based evaluation of hydrogen investment and policy scenarios

Guest Editor

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Deadline for manuscript submissions

closed (30 July 2026)



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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.

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