

## Special Issue

# Hybrid Systems Energy Flow Prediction, Optimization and Real Time Management

### Message from the Guest Editor

The management of hybrid energy systems is key to advancing distributed generation, green energy integration, and smart communities, including sustainable mobility with charging infrastructure, hybrid vehicles, and agribots. These systems require effective management of energy sources and storage to enhance efficiency, autonomy, and grid interaction. Real-time energy management plays a vital role in balancing supply and demand, supported by machine learning and optimization algorithms to meet objectives under defined constraints. Their development requires suitable datasets, problem formulation, predictive modelling, and decision-making tools. Accurate forecasting of storage systems' state and health is essential to prevent faults, extend autonomy, and improve sustainability and performance.

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### Guest Editor

Dr. Stefano Leonori

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### Deadline for manuscript submissions

closed (25 February 2026)



## Energies

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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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### Editor-in-Chief

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