

## Special Issue

# Energy Management, Energy Sustainability and Energy Efficiency in Buildings

### Message from the Guest Editors

This Special Issue aims to uncover the links between data science, AI, energy efficiency and low-carbon technologies. Applications of data science at the urban scale, challenges in urban building energy modelling, and studies that predominantly support building energy code updates related to occupant schedules (occupancy, thermostats, appliances, hot water demand) are also encouraged. Topics of interest include, but are not limited to, the following:

- Data science for building energy management, energy feedback, and energy-saving advisories;
- Pattern extraction and the application of data mining to reduce uncertainties in building energy performance simulation;
- Urban building energy modelling;
- Occupancy modelling concepts and the role of occupants in building energy management;
- Advanced control strategies including occupant-centric control strategies;
- Fault detection and diagnosis in HVAC systems;
- Renewable energy integration and micro-grids;
- Energy storage systems for building energy management and sustainability;
- Heat pumps for building space conditioning and water heating applications.

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### Guest Editors

Dr. Karthik Panchabikesan  
Prof. Dr. Ursula Eicker  
Dr. Fuzhan Nasiri

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### Deadline for manuscript submissions

closed (10 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

Prof. Dr. Enrico Sciubba  
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