

Special Issue

Monitoring Application for Smart Buildings: Challenge and Research Trends

Message from the Guest Editor

I would like to draw your attention to this Special Issue on new trends of energy monitoring and management in buildings to evaluate the role of buildings in the energy transition. This Special Issue calls for papers on the following topics:

- Methods to automate data exploitation and decision making in the context of smart buildings with a high degree of automation, and the deployment of sensors in technical equipment for more energy-efficient management.
- Sensing and computing strategies to characterize the user behavior (occupancy and use of spaces, usage and typology of activities, etc.) and the impact of such activities and behavior in the building energy account.
- Optimal management and scheduling of energy assets, including self-generation, storage for efficient operation, and grid interaction. Buildings as flexibility providers.
- Energy communities and neighborhoods: energy interaction and sharing. Integrated energy management in communities and local energy trade.

Guest Editor

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Deadline for manuscript submissions

closed (10 November 2021)



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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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