

Special Issue

Energy Storage in Smart Buildings

Message from the Guest Editors

For the Special Issue “Energy Storage in Smart Buildings”, we welcome topics include but are not limited to:

- New hardware or material solutions for electrical, chemical, or thermal storage in buildings;
- Advanced tariffs and transaction models to promote smartgrid-to-building integrations;
- Simulations or empirical studies investigating to what extent load or storage sharing between multiple building can reduce the capacity requirement for standalone storage in individual buildings;
- Dispatch strategies and/or control systems, including Building Automation Systems, to optimize the performance of individual components of the energy storage system or the building as a whole;
- Special challenges/solutions to using electric or alternative fuel-based vehicles as a means of building-based storage;
- Synergies of integrating building energy storage with building-based distributed generation (e.g., solar);
- Opportunities or challenges of building-based energy storage with respect to building or grid reliability and resilience.

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Deadline for manuscript submissions

closed (1 November 2022)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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