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Energy Storage in Smart Buildings

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Deadline for manuscript submissions: closed (1 November 2022)

Message from the Guest Editors

Dear Colleagues,

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.

Specialsue



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Editor-in-Chief

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Message from the Editor-in-Chief

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