Special Issue

Smart Thermostats for Energy Saving in Buildings

Message from the Guest Editor

The is delighted to invite submissions to a Special Issue of *Energies* entitled “Smart Thermostats for Energy Savings in Buildings”. Thermostats are now more often networked and embedded devices, as part of the Internet of Things, and thus considered “smart”. These advanced thermostats enable demand response and use of heating ventilation and air conditioning (HVAC) equipment as distributed energy resources (DERs) towards a more resilient and effective utility grid. Topics of interest for publication include, but are not limited to:

- Advanced or specialized thermostat user interfaces;
- Feedback for improved energy savings;
- Advanced control and machine learning algorithms that reduce energy;
- Data fusion and social data mining for designing advanced connected thermostat functions;
- Commercial building energy management;
- Enabling HVAC as DER;
- Networked thermostats integrated with other systems (e.g., ceiling fans) for energy savings;
- Improved thermal comfort and energy savings optimization;
- Advanced ventilation strategies.

Guest Editor

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Deadline for manuscript submissions

closed (2 March 2022)

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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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