Special Issue

Smart Buildings: Controls and Data Analytics for Optimization of Energy Efficiency

Message from the Guest Editor

Energy efficiency in smart buildings encompasses efficient operation as well as the provisioning of energy flexibility to the surrounding energy infrastructure. These measures can be achieved by advanced building controls and by the ability to analyze and understand the data that building operations create. This Special Issue invites research in the areas of innovative building control approaches and all areas of data analytics in buildings, especially including work on the link of digital planning data (BIM—building information modeling) and dynamic operation data from heterogeneous data sources (building automation, IoT technology, and others). Machine learning, data analytics, and building ontologies that support a better understanding are necessary methods to organize the existing building data and are also invited for submission.

Guest Editor

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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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