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Energy Efficiency in Smart Homes and Grids

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Message from the Guest Editors

This Special Issue focuses on advancements in the energy efficiency of smart homes and smart grids. This encompasses smart homes, smart grids, smart cities and villages, ICT solutions for efficient energy consumption, as well as energy production and distribution. This Special Issue is especially interested in receiving high quality, unpublished submissions that focus on advancing the technologies for sensor infrastructures, knowledge management and engineering, as well as user engagement: in particular, energy savings should take place without a decrease in residents' quality of life. We are interested in back-end technologies, such as for the predictive maintenance and optimization of energy distribution and consumption, as well as in front-end technologies, such as end user interfaces, gamification and techniques facilitating behavior change. Further, data are playing an increasingly important role in energy efficiency, and are gaining a leading role in various domains, such as future building certification, smart grid and meter management, and predictive maintenance.



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Special Issue



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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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