Special Issue

Energy-Saving, Comfort, and Healthier Strategies for Smart Buildings

Message from the Guest Editors

The same drivers behind the Fourth Industrial Revolution and the Internet of Things are bringing about radical changes in building design and operations. While there have been great strides in building design and operations, a more comprehensive view of occupant comfort, energy savings, environmental quality, and occupant health is called for. Big data from IoT is readily available, and the cost, speed, and accuracy of the sensors are being suitable for personalized comfort and healthier indoor environments. For example, using human-interactive sensors such as wrist bands, air-conditioning systems can provide customized comfort and health conditions while also maintaining energy efficiency. In addition, the building systems based on IoT would be directly relevant to the urgent need to mitigate airborne transmission with illnesses such as COVID-19. In this Special Issue, we are looking for various topics for smart buildings to help readers and researchers better understand holistic approaches to achieve matured smart buildings. Your papers will help current smart buildings to provide significantly healthier, more comfortable, and energy-efficient indoor environments for occupants.

Guest Editors

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Deadline for manuscript submissions

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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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