

Special Issue

Smart and Energy-Efficient Buildings: From Energy Modeling to Applications

Message from the Guest Editor

In the recent decades, huge efforts have been made and serious steps have been taken to improve the building stock energy efficiency and reduce the overall energy consumption and the corresponding greenhouse emissions, as a major step to attain the Kyoto Protocol goals and enhance energy security. With the advancement in the automation and communication technologies, the field of smart and highly energy-efficient buildings have been targeted as a major field for theoretical and experimental investigations. This Special Issue aims at providing a compressive collection of research studies, investigations, experiments, and applications in the field of energy-efficient and smart buildings. This includes a wide range of investigations from building design, energy model development, energy system optimization, performance improvement, and actual building operation and data collection. In this regard, contributions from research institutions as well as practitioners and industrial parties are welcomed.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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