Special Issue

Energy Flexible Buildings with Energy Conversion and Management Technologies

Message from the Guest Editors

Energy flexible buildings are important for achieving carbon neutrality of the building sector as the largest contributor of global final energy use and global carbon emissions. The energy flexibility of a building is the ability to manage its energy demand and energy supply according to local climate conditions, user needs, and grid requirements. The energy flexibility of buildings will thus allow for demand-side management and load control, and thereby demand response based on the requirements of the energy grids. Robust energy planning, advanced energy conversion and management strategies are essential for energy-flexible buildings with eco-economics feasibility. We are organizing a Special Issue entitled “Energy Flexible Buildings with Energy Conversion and Management Technologies”, aimed at reporting the most recent new findings by researchers and sector professionals, in the scope of the following themes. **Special Issue Topics**

- Model predictive control;
- Energy-flexible buildings;
- Demand response;
- Battery and hydrogen energy storage;
- Energy management strategy;
- Grid-responsive buildings.

Guest Editors

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Deadline for manuscript submissions

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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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