Special Issue

Efficient Low Carbon Buildings and Districts

Message from the Guest Editors

This Special Issue will deal with topics related to modeling and simulation of innovative building–plant configurations, with the aim to reach low carbon building with zero or positive energy demand in single buildings, districts and energy communities. Experimental analysis of real case applications will also provide useful and interesting insight into the energy performance of proposed systems and solutions. Topics of interest for publication include but are not limited to:

- Building energy demand reduction;
- Zero and positive energy districts;
- Passive systems for the building envelope;
- Demand-side management (DSM) for building energy use optimization;
- Solar-assisted heat pump to increase renewable use in buildings;
- Smart air conditioning plant for building energy minimization;
- Hybrid plants based on renewable sources;
- Energy storage system for building application.

Guest Editors

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Deadline for manuscript submissions

closed (20 March 2024)

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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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