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Low Energy Buildings and Climate-Neutral City Systems

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Deadline for manuscript
submissions:

closed (30 May 2024)

Message from the Guest Editors

Dear Colleagues,

Cities have emerged as major hubs for various forms of technical and social innovations, such as Energy Communities, also prompted by the rapidly growing use of ICT and digital technologies, both at the building and urban scale. The twin green and digital transitions do not just involve technological and scientific challenges, they also require a better understanding of cross-cutting issues related to economic, socio-cultural, and political aspects and ask for engaging society in the co-design, co-development, and co-implementation of innovations also through social innovation. This Special Issue aims to cover the above-mentioned topics, that represent a deliberately broad spectrum of research, including, but not limited to, the following:

- Energy efficiency in buildings;
- Near-zero energy buildings (NZEB);
- Digital building/urban twins;
- Positive energy districts (PEDs);
- Climate-neutral and smart cities;
- Net-zero cities;
- Energy citizenship and energy communities;
- Climate city contracts;
- Innovative solutions for energy systems.



mdpi.com/si/143703

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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