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Novel HVAC, Building Physics and Data-Centric Solutions for Energy-Efficient Smart Buildings and Sustainable Districts

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Deadline for manuscript submissions:

closed (15 September 2022)

Message from the Guest Editors

Papers addressing new theoretical, computational, as well as experimental and data-centric methodologies for the following topics are welcome:

- Design of more energy efficient HVAC systems.
- Improvement of indoor environmental quality (IEQ).
- Statistical analysis of the impact of tenants' occupations on the energy consumption of both residential and office buildings.
- Benchmarking and future harmonization of the building stock towards deep renovations.
- Comparative analyses of how well the indoor environmental quality (IEQ) criteria is set nationally and on how well the IEQ is achieved in practice after renovation.
- Performance analyses for smart districts related to energy production and distribution.
- Energy calculation input data (NZEB definitions, system boundaries) aimed at setting more stringent data-based national requirements.
- Energy flexibility measures for NZEB.
- Sector coupling for smart districts and smart cities.



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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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