

Special Issue

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

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.

Guest Editors

Prof. Dr. Jarek Kurnitski

1. nZEB Research Group, Tallinn University of Technology, Ehitajate tee 5, 19086 Tallinn, Estonia
2. Department of Civil Engineering, Aalto University, PO Box 12100 FI-00076 Aalto, 02150 Espoo, Finland

Dr. Andrea Ferrantelli

1. Department of Civil Engineering, Aalto University, Espoo, Finland
2. Department of Mechanical Engineering, Aalto University, Espoo, Finland
3. Department of Civil Engineering and Architecture, Tallinn University of Technology, Tallinn, Estonia

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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