Special Issue

Energy Efficiency in Integrated Building Systems

Message from the Guest Editor

Integrated building systems are critical to achieving deep energy efficiency and greenhouse gas reductions. Research and practice in high efficiency and zero-net energy buildings has provided robust evidence that integrated system approaches yield much higher energy savings than simple component-level efficiency improvements. This Special Issue seeks to contribute to the understanding of the current state-of-the-art and practice of integrated systems; and innovations that can lower barriers and increase their wider deployment. Topics of interest for publication include but are not limited to the following:

- Review of current state of research and practice in integrated building systems;
- Empirical evidence of energy savings from integrated systems vs. component-based approaches;
- Integrated systems in the context of existing building retrofits;
- Cost–benefit analyses of integrated systems;
- Technical innovations to lower costs and reduce implementation effort;
- Emerging integrated systems technologies and strategies—HVAC, lighting, envelope, controls;
- People and process: designing, constructing, and operating integrated systems.

Guest Editor

Dr. Paul Mathew

Lawrence Berkeley National Laboratory, 90R3147, 1 Cyclotron Road, Berkeley, CA 94720, USA

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

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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