Special Issue

New Insights into Building Automation System and Energy Integration

Message from the Guest Editors

In light of the environmental issues that we are facing (urban sprawl, pollution, resource depletion, climate change) and consequent policies to minimize the environmental impact of the energy system, smart buildings have become central, given the relevance of the building stock. Buildings are on the utilization side of the power system, and users' behavior dictates the energy demand. On the other hand, buildings provide opportunities for the integration of innovative systems, i.e., renewable energy generation, storage, mobility systems, and their integration. To take full advantage of such elements, considering weather and users' dynamics, control systems are necessary. On these grounds, the target of this Special Issue is to investigate innovative elements in building automation to contribute to the efficient use and production of energy in buildings.

- building automation
- home automation
- smart building
- building energy management system
- energy storage
- battery energy storage system
- electrical mobility
- electrical vehicle
- renewable energy system
- local generation

Guest Editors

Prof. Dr. Matteo Manganelli

Department of Fusion and Technology for Nuclear Safety and Security, ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development), 00044 Rome, Italy

Prof. Dr. Alessandro Soldati

Department of Engineering and Architecture, University of Parma, 43124 Parma, Italy

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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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