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Renewable Energy Systems for Sustainable Buildings

Guest Editors:

Dr. Bae Sangmu

Research Institute of Industrial
Technology, Pusan National
University, Geumjeong-gu 46241,
Busan, Republic of Korea

Dr. Chae Hobyung

Research Institute of Industrial
Technology, Pusan National
University, Geumjeong-gu 46241,
Busan, Republic of Korea

Prof. Dr. Yujin Nam

Department of Architectural
Engineering, Pusan National
University, Geumjeong-gu,
Busan, Republic of Korea

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Message from the Guest Editors

Dear Colleagues,

Recently, the concept of the zero energy building (ZEB) has received increasing interest around the world, in which energy production using renewable energy systems has become an essential factor for its realization. Moreover, building-integrated systems with renewable energy resources have also been in the spotlight as leading techniques in the field of building energy. Governments in leading countries have begun to move toward targets for zero energy buildings, and supported initiatives or research projects for the use of renewable energy systems. Under the political support for the realization of ZEB, the need for high-efficient design, cost-efficient installation, and an optimum control method for renewable energy systems is also significantly growing.

This Special Issue focuses on all the renewable energy systems that can be used in buildings to contribute to enhanced scientific and multidisciplinary studies as well as future applied studies. The topic covers specific areas of renewable energy systems in buildings relevant to physical science and applied engineering.



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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