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Research Innovations for Advanced Analysis and Multi-Performance Driven Design in the Built Environment

Guest Editors:

Dr. Francesco De Luca

Prof. Dr. Gabriele Lobaccaro

Prof. Dr. Michela Turrin

Dr. Angelos Chronis

Dr. Timur Dogan

Deadline for manuscript
submissions:

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Message from the Guest Editors

Researchers, architects, designers, and planners are increasingly urged to develop approaches and solutions to tackle the pressing issues of resource depletion, adaptation of the built environment, and related climate change. It has become evident that by addressing the single performance of buildings, it is not possible to guarantee the relevant impacts and diverse benefits necessary to improve the overall liveability of the cities. Furthermore, minimum energy and visual/thermal comfort requirements are often regulated by potentially conflicting standards, metrics, and building codes. Thus, holistic approaches are necessary in order to develop sustainable architecture design solutions and resilient urban planning strategies.

Contributions on the following topics, but not limited to:

- Investigations about trade-offs performance to balance competing solar energy uses.
- Innovative methods and solutions for the simultaneous fulfillment of different codes' requirements and metric-recommended thresholds in the indoor/outdoor building environment.
- Innovative digital and computer advanced methods and technologies of co-simulation approaches in multiple domains.



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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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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