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Designing, Modeling and Optimizing Energy and Environmental Systems for Buildings

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Message from the Guest Editors

Energy security and environmental protection are urgent world-wide concerns over the past few decades. Greater emphasis has been made on advancement of building energy and environmental systems towards more efficient and sustainable design and operation in recent years to address those concerns. In this context, this special issue compiles recent research and development efforts in design, modeling and optimization aspects of energy and environmental systems for building applications, such as HVAC (heating, ventilation and air conditioning), renewable and sustainable distributed energy generation systems, smart and intelligent building energy and environmental control systems and net-zero energy buildings. The Guest Editors welcomes high-quality articles that investigate the aforementioned areas and provide new paths for further advancement in this research arena.



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Special Issue



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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.

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