

Special Issue

Modelling and Control of Heating, Ventilation, Air Conditioning and Refrigeration (HVAC&R) Systems

Message from the Guest Editors

There are inviting submissions to a Special Issue of *Energies* on the subject area of “Modelling and Control of Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC&R) Systems”. HVAC&R systems consume large amounts of energy and, not infrequently, their inefficient operation translates into poor performance and brings to an increasing environmental impact in terms of Greenhouse Gas (GHG) emissions. Indeed, HVAC&R systems inherent complexity together with non-stationary plant operating conditions and complex patterns of user demand, and their intrinsically non-linear characteristics, make the efficient operation of this kind of systems a difficult task. Besides the traditional approach, which improves the energy efficiency of HVAC&R systems through advanced hardware design, nowadays advanced control systems can improve both system efficiency and performance by mostly acting on software components, taking advantage of the recent developments of digital technologies...

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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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