

Special Issue

New Heating and Cooling Concepts

Message from the Guest Editors

Heating, cooling, and ventilation systems are responsible for a large part of global energy use and greenhouse gas emissions. This Special Issue will cover the state-of-the-art in heating, cooling, and ventilation systems in, mainly but not limited to, buildings. The focus will be on the innovative applications and control approaches, which could reduce the energy use remarkably, advance the integration of renewable energy resources into buildings, and improve occupant comfort and health.

- Radiant heating and cooling
- phase change materials
- evaporative cooling
- ventilative cooling
- thermal energy storage
- renewable energy
- personal environmental control
- air cleaning
- model predictive control

Guest Editors

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Deadline for manuscript submissions

closed (15 December 2018)



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/11622

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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