



New Heating and Cooling Concepts

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Message from the Guest Editors

Dear Colleagues,

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.

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Guest Editors

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





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Message from the Editor-in-Chief

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