



Design of Heat Exchangers for Heat Pump Applications

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Message from the Guest Editors

Dear Colleagues,

As is well known, heat pumps (HPs) allow for providing heat without direct combustion, in both civil and industrial applications. The proper selection of the heat source and the correct design of the heat exchangers is crucial for attaining high HP efficiencies—examples can be ground coupled heat exchangers, lake/sea/waste water systems, enhanced surface heat exchangers, and HPs exploiting waste heat from industrial and civil processes.

Heat exchangers (also in terms of HP control strategies) are hence one of the main elements of HPs, and improving their performance enhances the effectiveness of the whole system. New models and measurements are required for best HPs system design, including optimization strategies for energy exploitation, temperature control, and mechanical reliability.

Papers submitted for this Special Issue may be research papers (theoretical and experimental), reviews, or analyses of case studies.





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Message from the Editor-in-Chief

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