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High Efficient Geothermal Heat Pump and Ground Heat Exchangers

Guest Editor:

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Deadline for manuscript submissions:
closed (29 February 2020)

Message from the Guest Editor

Dear colleagues,

Heat pump technology is one of the most sophisticated engineering achievements for heating, ventilation, and air conditioning (HVAC). The ground heat exchanger induces heat exchange with the ground formations by means of a heat carrier that circulates through closed pipes or open boreholes installed deep underground. The heat exchangers are connected with a ground heat pump system to save the energy consumption for heating and cooling buildings. We invite comprehensive reviews and original research articles. Based on your expertise, you could make an excellent contribution to this Special Issue. Papers addressing, but not limited to, the following topics are recommended:

- High-efficiency heat pump systems
- Thermally driven heat pump/refrigeration
- Heat and mass transfer enhancement
- Innovative ground heat exchangers
- Computational fluid dynamics/numerical experiments
- Design/system optimization and dynamic control

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Message from the Editor-in-Chief

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