Message from the Guest Editor

Dear Colleagues,

Heat pump and refrigeration technologies are matured and have been in practical use for many years. Nevertheless, active research and development in this area is still required because of energy and environmental issues related to heat pumps and refrigeration, such as global warming, the depletion of ozone layer, exhaustion of fossil fuels, etc. This Special Issue “Sciences in Heat Pump and Refrigeration” aims to cover recent advanced technologies and sciences in the next generation of heat pumps and refrigeration technology.

Our topics of interest include, but are not limited to:

- Next generation heat pump/refrigeration
- Thermally driven heat pump/refrigeration
- Desiccant air conditioning
- Heat and mass transfer enhancement
- Innovative heat exchangers
- Low global warming potential refrigerant
- Visualization
- Computational fluid dynamics
- Optimization and dynamic control

Deadline for manuscript submissions: closed (30 September 2018)