



## Urban District Heating and Cooling Technologies

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Deadline for manuscript  
submissions:

**closed (31 October 2019)**

### Message from the Guest Editor

This new special issue will not only cover the main features of DHC networks and their current state-of-the-art but will focus mainly on new advanced features. The use of renewable energy sources, recovered heat from urban or industrial waste, cooling from regasification plants, new low temperature distribution networks and the synergies with electricity and gas fuels networks are paving the way to the new concept of smart energy system with a higher scope than the more usual smart grid concept limited to the electricity grid. The mentioned and many other new developments will help to widespread the implementation of DHC networks especially for the case of cooling supply that is currently less developed and at the same time contribute in this way to achieve the internationally agreed commitments on the environment and climate change.

**Keywords :** District heating and cooling networks; District heating and cooling networks; Heat pumps integration; Recovery of urban waste heat; Recovery of industrial waste heat.





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## Message from the Editor-in-Chief

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