Special Issue

Urban District Heating and Cooling Technologies II

Message from the Guest Editor

It is well known that district heating and cooling (DHC) networks for urban environments can provide energy savings with significant economic and environmental benefits, among others, with respect to individual building heating and cooling facilities. 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, such as: 1) Analysis of new cogeneration, trigeneration, and polygeneration configurations to supply energy for DHC networks; 2)Low and very low distribution temperature networks known as the fourth generation of DH networks; 3)Integration of compression and sorption heat pumps using new configurations for the simultaneous delivery of heating and cooling, both at the energy supply plant and/or as substation units;4)Use of urban heat sources such as the recovery of heat from underground transport facilities, sewage water networks, etc. for their use in DHC networks; etc **Keywords:** District heating and cooling networks; Renewable energy; Heat pump integration; Recovery of urban waste heat; Recovery of urban waste heat; Rural area development.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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