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District Heating and Cooling Networks

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Deadline for manuscript submissions:
closed (15 January 2020)

Message from the Guest Editors

Dear Colleagues,

Yearly, conventional thermal generating plants reject a large amount of energy. If this rejected heat were to be used through district heating networks, given a previous energy valorisation, there would be a noticeable decrease in imported fossil fuels for heating. As a consequence, benefits in the form of an increase in energy efficiency, an improvement in energy security, and a minimisation of emitted greenhouse gases would occur.

Due to its cost competitiveness, its flexibility in terms of its ability to use renewable energy resources and fossil fuels, and the fact that, in some cases, losses to a country/region's energy balance can be easily integrated into district heating networks, if appropriate measures were proposed, district heating and cooling networks and cogeneration could become a key element for a future with greater energy security, while being more sustainable.

This Special Issue, therefore, seeks to propose an energy strategy for a number of cities/regions/countries, by proposing appropriate measures supported by detailed case studies.

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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