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Recent Advances in District Heating

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Message from the Guest Editors

Dear Colleagues,

District heating can significantly contribute to achieving carbon-neutral energy supply systems. The key challenges for existing district heating systems include reducing heat losses, replacing fossil-based heat sources with renewable or waste heat to reduce CO₂ emissions, as well as introducing new solutions and technologies for e.g storage and operation. There are technical, economic, and infrastructural barriers related to these challenges that can be overcome with the help of researchers.

This special issue aims to draw attention to research and review articles on existing district heating systems. The focus will be on transforming existing district heating networks into sustainable, energy-efficient, carbon-neutral energy systems that interact with the power grid and other energy carriers to provide more flexibility in renewable power production.

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Guest Editors



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Special Issue



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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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