

Special Issue

Planning, Simulation, Optimization and Operation of District Heating and Cooling Systems

Message from the Guest Editor

In this Special Issue, we invite papers that provide new insights and experiences as well as highlight new possibilities in planning, simulation, optimization, and actual operation of sustainable and cost-effective DHC systems. We look forward receiving papers that address one or more of the following issues: (Spatial) planning methods and approaches (including non-technical aspects) for district heating and cooling concept development, extension, and transformation to 100% renewable-based systems; New perspectives on modeling, simulation, and (techno-economic) optimization of DHC systems and its technical components; DHC systems as an energy hub and part of a smart sector integration; Development of novel monitoring and control methods for DHC systems and application of advanced data analysis methods.

Guest Editor

Dr. Ingo Leusbrock

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Deadline for manuscript submissions

closed (31 October 2021)



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Editor-in-Chief

Prof. Dr. Benjamin McLellan

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 26.1 days after submission; acceptance to publication is undertaken in 4.4 days (median values for papers published in this journal in the second half of 2024).