



District Energy System and Energy Management

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Message from the Guest Editors

Dear Colleagues,

In recent years, the energy issue has been playing a fundamental role in terms of environmental sustainability and the competitiveness of businesses. In fact, the triad of EU objectives to 2030 provides for the 40% reduction of greenhouse gas emissions compared to 1990, the achievement of the target of 32% of penetration of renewable energy sources (RES) in energy consumption, and the 32.5% reduction in consumption as a goal for energy efficiency.

This Special Issue aims to consider, within the energy communities, the optimization of energy systems, passing from the management of the production of electrical and thermal energy, their storage, and their distribution through electricity networks and district heating and cooling networks. At the same time, the emerging interest of the political administrators for the energy communities is producing a new regulatory context, where the theoretical results of the optimal energy distributed production and allocation can be tested in the real world. Papers dealing with this kind of real applications or presenting projects where full-scale tests are planned for the near future are also welcome.





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Message from the Editor-in-Chief

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