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Micro-Combined Heating, Cooling, and Power Systems for Buildings: State-of-the-Art, Commercialization Challenges, and Research Opportunities

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Message from the Guest Editor

Dear Colleagues,

The energy scenario is changing throughout the world and governments, globally, are attempting to make cost-effective use of existing resources, as well as enabling the emergence of a low-carbon economy.

This Special Issue will publish papers that cover the following: (1) highlight the energy, economic, and environmental benefits of cogeneration and polygeneration technologies suitable for residential and commercial buildings; (2) identify the key desired attributes for a broadscale adoption of such technologies; (3) modeling and experimental validation of building scale cogeneration and polygeneration equipment; (4) challenges related to manufacturing, commercialization, and cost reduction; (5) perspective articles focusing on what it takes to successfully implement these promising technologies, particularly lessons learned from the European and Asian markets and how they are applicable in North America's energy landscape, and (6) research and review articles related to micro-combined cooling, heating, and power technologies (μ CCHP).



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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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