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Experimental Development, Thermodynamic/Thermo-Fluid Dynamic Analysis and Optimization of Cogeneration Systems and Polygeneration Plants

Guest Editors:

Prof. Dr. Alfredo Gimelli

Department of Industrial Engineering, University of Naples Federico II, P.le Tecchio 80, Naples, Italy

Dr. Maria Vicidomini

Department of Industrial Engineering, University of Naples Federico II, 80125 Naples, Italy

Dr. Massimiliano Muccillo

Department of Industrial Engineering, University of Naples Federico II, via Claudio 21, 80125 Naples, Italy

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Message from the Guest Editors

Dear Colleagues,

Although they have been investigated for many decades as stand-alone solutions, combined heat and power (CHP) and combined cooling heat and power (CCHP) systems have been objects of renewed interest in recent years. This is mainly due to their possibility of being integrated by further conventional or renewable technologies, thus constituting the main sub-systems of local, small, or medium-scale polygeneration plants. In fact, the exploitation of renewable energy sources and energy-saving techniques has become mandatory to meet the required energy demand while mitigating anthropogenic carbon dioxide emissions. In this context, the increasing attention given to CHP/CCHP and polygeneration plants is due to their potential to ensure significant primary energy savings in the framework of a distributed multi-energy generation system.

Therefore, the purpose of this Special Issue is to collect high-quality research papers and review articles dealing with CHP/CCHP and polygeneration systems..

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Dr. Massimiliano Muccillo
Guest Editors



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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