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High-Temperature Heat Pumps (HTHP) and Organic Rankine Cycle (ORC) for Waste Heat Revalorization in the Industrial Sector

Guest Editors:

Dr. Adrián Mota Babiloni

ISTENER Research Group,
Department of Mechanical
Engineering and Construction,
Universitat Jaume I, E12071
Castelló de la Plana, Spain

Prof. Joaquín Navarro-Esbrí

ISTENER Research Group,
Department of Mechanical
Engineering and Construction,
Campus de Riu Sec s/n,
University Jaume I, E12071
Castellón, Spain

Prof. Dr. Vincent Lemort

Thermodynamics Laboratory,
Aerospace and Mechanical
Engineering Department,
University of Liege, Allée de La
Découverte 17, B4000 Liège,
Belgium

Message from the Guest Editors

In recent years, a reduced number of technologies have been proposed for waste heat revalorization, and significant research is being performed in order to discover more reliable and economic systems to be extended to many different solutions. Among them, Organic Rankine Cycles (ORC) is being one of the most popular solutions for clean electricity generation using low grade heat; high-temperature heat pumps (HTHPs) have also been proposed to increment the temperature level of a flow in order to be reutilized in a process, hence substituting fossil fuel burners. Different optimum solutions in order to maximize the electricity generated or the heating upgrade can be reached, depending on the specific industrial application and the operating conditions. This Special Issue is intended to gather and present the most recent developments in HTHPs and ORCs applied to waste heat revalorization for the cleaner industry of the future.

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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, St. Alban-Anlage 66
4052 Basel, Switzerland

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