



Untapped Thermal Energy and Waste Heat Utilization

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Message from the Guest Editors

The trend of increasing fossil fuel prices and the ever-increasing concerns over global warming and climate change are forcing governments, researchers and engineers working in industries to conceptualize, develop and install technologies and devices able to recover the waste heat coming from industrial processes, or the heat coming from the combination of naturally available and industrial processes.

The recovery of this waste heat is a challenging task, but can help in the reduction of greenhouse gas emissions, and in the improvement of sites' energy efficiency. In this framework, this Special Issue aims to collect innovative and high-quality research focusing on the development and utilization of untapped thermal energy as well as the recovery and utilization of waste heat from industrial processes, renewable energy sources, naturally available heat, etc.

Keywords: renewable energy sources; waste heat; waste heat recovery technologies; innovative energy systems; steam and organic Rankine cycle; industrial processes; thermal energy harvesting; energy storage technologies; CHP technologies and systems; industrial symbiosis for waste heat valorization





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Message from the Editor-in-Chief

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