Special Issue

Advances in Waste Heat Recovery and Integrated Energy Systems

Message from the Guest Editors

Accordingly, a Special Issue focusing on the advantages of Waste Heat Recovery and Integrated Energy Systems acquire great importance in the overmentioned fields and may encompass research employing both numerical modelling and experimental approaches. For instance, the Special Issue will delve into topics like Organic Rankine cycles, Kalina cycles, supercritical CO2 gas turbines, closed Brayton cycles, steam Rankine cycles, Stirling engines, and cascade power cycles, as concern the waste heat recovery. Exploring the integration of various energy systems, the Special Issue will delve into Combined Cycle Gas Turbines (CCGT), Integrated Gasification Combined Cycle (IGCC), Combined Heat and Power systems (CHP), hybrid energy grids, hybridization of renewable sources with fossil and traditional fuels, solar-assisted gas turbines, externally fired gas turbines, and power-to-gas applications. The focus may also extend to the combined use of different fuels, incorporating the integration of the energy system with gasification and methanation systems and with other applications.

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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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