Special Issue

Novel Technologies for Utilising and Upgrading Waste Heat

Message from the Guest Editor

Globally, less than 65% of energy inputs from coal, natural gas, oil, nuclear and renewables are converted into electricity, heat and transformed into another form for use in the various sectors of an economy, i.e., industry, transport, building. Using energy more efficiently is the least cost-intensive pathway for reducing emissions and conserving resources. Even though technologies, exist albeit at different readiness levels, successful integration to capture waste heat from different sectors still needs to be addressed, together with the barriers affecting increased uptake of waste heat utilisation technologies. This Special Issue covers the state-of-the-art in technology development, modelling and integration into existing and new energy systems and technoeconomic and market potential assessment to support uptake of waste heat utilisation technologies. Efficiency improvement, reduction in CO2 emissions and costs are basic factors of competitiveness and energy security.

Guest Editor

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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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