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Applications and New Technologies of Waste Heat Recovery

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Deadline for manuscript submissions:
closed (10 October 2022)

Message from the Guest Editors

Dear Colleagues,

The industrial sector and its processes are responsible for almost 26% of European primary energy consumption, where high energy losses are recorded in the form of waste heat at various temperatures. These waste heat streams can be exploited for different applications with conventional and innovative technologies.

Authors are invited to submit articles on the exploitation and application of waste heat recovery (WHR) that may include, but are not limited to, direct and indirect waste heat streams for waste heat to useful heat, waste heat to power, and waste heat to storage concepts. Authors can contribute, but are not limited, to the WHR model with technologies/units (e.g., plate heat exchangers, economizers, ORC, Kalina cycle, waste heat boilers, heat pumps, heat pipes, heat recovery steam generators), control and optimization of WHR, emerging technologies' evaluation, WHR system integration potential, WHR barriers, and/or economic potential (with technoeconomic and thermoeconomic analyses). Both experimental and theoretical as well as review studies are welcome to be submitted.

Dr. Gregoris Panayiotou
Dr. Lazaros Aresti
Guest Editors

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Message from the Editor-in-Chief

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