Special Issue

Waste Heat Recovery Using Thermoelectric Generators

Message from the Guest Editor

The present Special Issue aims to highlight recent research done in the area of waste heat recovery and renewable energy harvesting using thermoelectric generators. Topics include but are not limited to:

- Analysis, development, manufacturing, and testing of TEG WHR in conventional/hybrid light, medium, and heavy-duty land, naval, aerospace vehicles, engines, power generation using the exhaust, cooling circuit, radiating heat; in industrial processes;
- TEG heat exchangers, exhaust heat exchangers, coolers, high-performance heat exchangers including phase change processes, micro-finned coolers, thermal management, and thermal control in WHR TEGs;
- Power electronics of WHR TEGs, TE energy harvesting for autonomous devices;
- Energy, thermo-economic, life cycle analysis of WHR TEGs, improvement of engine, vehicle, device efficiency;
- Assessment of materials, interfaces, bondings, coatings, reliability, manufacturing and assembly processes of TEG systems, modules, and components for WHR;
- Heat transfer, fluid dynamics, electrical, solid mechanics, multiphysics analysis, and optimization of TEGs and WHR systems.

Please scan the QR code for more information.

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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