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Novel Method, Optimization and Applications of Thermodynamic Cycles

Guest Editors:

Dr. Weicong Xu

Dr. Wen Su

Dr. Wenbin Guo

Dr. Lin Liu

Deadline for manuscript submissions:
closed (30 October 2024)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to provide a platform for researchers and engineers to present their latest research findings, novel methods, and applications related to thermodynamic cycles. It covers topics related to the optimization, analysis, and design of thermodynamic cycles. The topics of interest for this Special Issue include, but are not limited to:

- Novel methods for improving the efficiency and performance of thermodynamic cycles;
- Optimization techniques for thermodynamic cycles, such as thermoeconomic analysis and multi-objective optimization;
- Applications of thermodynamic cycles in power generation, refrigeration, and heating systems;
- Advanced power cycles, such as supercritical CO2 cycles and organic Rankine cycles;
- Thermodynamic properties and behavior of fluids used in thermodynamic cycles;
- Heat transfer and fluid flow analysis in thermodynamic cycles;
- System design and integration of thermodynamic cycles in energy systems

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Guest Editors

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Editor-in-Chief

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Message from the Editor-in-Chief

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