



Advanced Heat Transfer Technologies for the Design, Operation and Optimization of Steam Power Systems

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Message from the Guest Editors

Topics include, but are not limited to, the following:

1. Heat transfer enhancement, multiphase flow, heat and mass transfer, microscale heat transfer, and the heat and mass transfer characteristics of porous materials in steam power systems;
2. Combined cycles, advanced cycles, and thermoeconomics analyses of steam power systems;
3. The design, performance simulation, and optimization of complex and novel steam power systems;
4. Mechanical analyses of steam power systems;
5. The performance prediction, status monitoring, fault diagnosis, and health management of steam power systems.





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