



Cooling/Heat Transfer

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Deadline for manuscript
submissions:

closed (31 December 2018)

Message from the Guest Editor

Our understanding on cooling and heat transfer technology have been continuously improved during the decades. With the development of advanced measurement techniques, experimental research is facing new opportunities and challenges on improving accuracy and resolution, enhancing accessibility, boundary condition control, and proper lab scaling method, etc. With the increasing computing power, CFD research now is dealing with new challenges in developing more efficient methods, resolving multiscale problems, unsteady phenomenon, and fluid-solid conjugation issues. Meanwhile, further improvements and new thermal management technologies may become more feasible with the recent developments in materials, manufacturing technology, systems integration and controls.

The Special Issue welcoming papers on:

- Update of fundamental heat transfer theory
- New internal & external cooling design concepts
- Experimental methods & uncertainty improvement
- High fidelity CFD in cooling / heat transfer
- Conjugate heat transfer experiments & CFD validation





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Message from the Editor-in-Chief

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