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Numerical Heat Transfer and Fluid Flow 2021

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submissions:

closed (25 February 2022)

Message from the Guest Editor

Dear Colleagues,

In the era of digital transformation, which includes converting any processes into a quantified format, suitable for future analysis, there is increasing demand on simulations and experiments on heat and fluid flow for a variety of single and multiphase flows, and boundary conditions.

This Special Issue on “Numerical Heat Transfer and Fluid Flow” in *Energies* is addressed to specialists who deal with solutions of problems of scientific and industrial relevance in the broad fields of heat transfer and fluid transportation, including natural resources, biomedical, industrial processes, etc. Topics of interest for publication include the following:

- Numerical simulations of mass and/or heat transfer;
- Computational fluid dynamics;
- Experiments and simulations of single or multiphase flows, including Newtonian and non-Newtonian fluids;
- Modeling, optimization and control of heat transfer, fluid flow;
- Mini and macro-flows;
- Turbulence;
- Modelling of turbulence;
- Flowing phase interactions;
- Energy saving processes, including heat transfer enhancement and decrease in frictional losses.



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Special Issue



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Message from the Editor-in-Chief

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