Special Issue

Numerical Heat Transfer and Fluid Flow 2021

Message from the Guest Editor

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.

Guest Editor

Prof. Dr. Artur Bartosik

Department of Production Engineering, Faculty of Management and Computer Modelling, Kielce University of Technology, 25-314 Kielce, Poland

Deadline for manuscript submissions

closed (25 February 2022)

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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