

## Special Issue

# Computational Heat Transfer and Fluid Dynamics

### Message from the Guest Editor

This Special Issue focuses on current advances in computational heat transfer and fluid mechanics. With the development of high-speed computer technology, complex fluid flow and heat transfer problems can be solved numerically with high accuracy. This Special Issue of *Axioms* is devoted to both the practical application of existing methodologies and models and the presentation of new numerical methods. The topics of interest for the Special Issue include (but are not limited to):

- Convective heat transfer in single-phase and multiphase flow;
- Flow/heat transfer mechanisms in the microscale;
- Active and passive cooling systems in electronics and power engineering;
- Multiphase flow theory in porous and fractured reservoirs;
- Enhanced oil/gas recovery;
- Bio-heat transfer;
- Supersonic/hypersonic flows;
- Gas turbine heat transfer;
- Thermal radiation heat transfer in energy systems.

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### Guest Editor

Dr. Igor V. Miroshnichenko

Laboratory on Convective Heat and Mass Transfer and Regional Scientific and Educational Mathematical Centre, Tomsk State University, 36 Lenin Ave., 634050 Tomsk, Russia

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### Deadline for manuscript submissions

closed (31 March 2023)



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*Axioms*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[axioms@mdpi.com](mailto:axioms@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Axioms* is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Humberto Bustince

Department of Statistics, Computer Science and Mathematics, Public University of Navarra, 31006 Pamplona, Spain

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