



## Heat Transfer and Fluid Dynamics in Boiling Systems

Guest Editors:

**Dr. Vladimir Serdyukov**

Kutateladze Institute of  
Thermophysics, Novosibirsk,  
Russia

**Dr. Fedor Ronshin**

Kutateladze Institute of  
Thermophysics, Novosibirsk,  
Russia

Deadline for manuscript  
submissions:

**closed (11 December 2023)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to bring together state-of-the-art experimental and numerical research contributions exploring the mechanisms of heat transfer and fluid dynamics during boiling phenomena. Special attention will be given to recent results regarding heat transfer enhancement during boiling under various conditions, especially from studies using novel and promising methods of heating surface modification. Papers devoted to the development of novel two-phase heat transfer devices utilizing boiling are also highly encouraged.

Topics of interest for publication include, but are not limited to:

- Heat transfer during pool and flow boiling;
- Flow boiling in micro- and macro-channels;
- Fluid dynamics during boiling;
- Boiling improvement;
- Surface modification techniques for boiling improvement;
- Two-phase heat transfer devices;
- Novel two-phase measurement and visualization techniques;
- Numerical simulation and modelling of boiling.

Accepted papers will be published on a rolling basis. We look forward to receiving your submissions.

Dr. Vladimir Serdyukov

Dr. Ronshin Fedor

Guest Editors

**Special Issue**





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## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## Message from the Editor-in-Chief

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*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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