



## Experimental and Numerical Modeling of Fluid Flow

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Deadline for manuscript  
submissions:

**closed (31 July 2021)**

### Message from the Guest Editor

Dear Colleagues,

Fluid dynamics is often related to complex flow conditions and systems, either in the context of fundamental research or in the context of industrial processes. Typically, the study of such flows requires experimental or numerical models which capture their complex, e. g. multiphase and turbulent, nature. Although such models have been state of the art for years or decades in areas like aerodynamics or weather simulation, the field of the application of experimental and numerical flow models is constantly expanding. The goal of this Special Issue is to present an overview of applied experimental and numerical flow models, with a focus on advanced models and new application areas.

This Special Issue will consider contributions which give an overview of applied experimental and numerical flow models, with a strong focus on the following topics:

- New application areas
- Advanced experimental or numerical models
- Innovative modeling approaches
- Challenges in modeling techniques

Prof. Dr. Rüdiger Schwarze

*Guest Editor*





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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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