

## Special Issue

# Innovative Research and Applications in Hydrodynamics and Flow Control

### Message from the Guest Editors

This Special Issue aims to collect cutting-edge developments in the area of hydrodynamics and flow control, including both fundamental and engineering research. Hydrodynamics is of great importance in ships, marine engineering, energy, etc. It influences the kinetics and kinematics of ships, underwater vehicles, and marine structures. Flow control techniques can manipulate the hydrodynamics and lead to energy saving, high performance, etc. The following topics are included, and other related topics are also welcomed.

- Design of ships, underwater vehicles and marine structures
- Shape optimization of marine vehicles
- Experimental fluid mechanics of marine structures
- Computational methods for fluids
- Applications of CFD methods
- Flow control techniques
- Fluid mechanics
- Machine learning methods for fluids

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### Guest Editors

Dr. Peng Du  
Prof. Dr. Haibao Hu  
Prof. Dr. Xiaopeng Chen

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### Deadline for manuscript submissions

closed (30 November 2023)



## Inventions

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The unique journal *Inventions* is different from all other journals. Many scholars spend their lives publishing research papers in many different journals, but most of these journals do not help scholars collate and analyze their results or assist in promoting them to a relevant industry. However, *Inventions* will help authors not only to publish their papers in the journal, but also to promote their research results to industry and assist them in realizing the purpose of technology transfer. In the future, *Inventions* will help authors to evaluate their technology license fees based on the valuation theory and approaches and also help authors to show their patents and technologies on a network transaction platform.

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