



Innovative Research and Applications in Hydrodynamics and Flow Control

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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.

1. Design of ships, underwater vehicles and marine structures
2. Shape optimization of marine vehicles
3. Experimental fluid mechanics of marine structures
4. Computational methods for fluids
5. Applications of CFD methods
6. Flow control techniques
7. Fluid mechanics
8. Machine learning methods for fluids

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