

Special Issue

Modeling and Optimization of Hydrodynamic and Aerodynamic Flow Processes

Message from the Guest Editors

This Special Issue on “Modeling and Optimization of Hydrodynamic and Aerodynamic Flow Processes” seeks high-quality papers that focus on the development and application of modeling and optimization methods for flow processes. Topics include, but are not limited to, methods and applications in the following areas:

- High fidelity modeling methods and applications for hydrodynamic and aerodynamic flow processes;
- Refined experimental measurement techniques for flow processes;
- High-fidelity digital twin technologies for flow processes;
- Modeling methods for multiphase flows and flow interface evolution;
- Artificial intelligence-based modeling and prediction methods for flow processes;
- Data-driven approaches for flow feature extraction;
- Adjoint theory-based optimization methods for flow processes;
- Multi-field coupling modeling and optimization methods in flow processes;
- Application of flow process modeling and optimization methods in sustainable development;
- Innovations in aerodynamics/hydrodynamics for low-carbon aviation, green ships, and energy-saving equipment.

Guest Editors

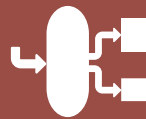
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Deadline for manuscript submissions

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