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Special Issue Reprint

## Innovative Research and Applications in Hydrodynamics and Flow Control

**Edited by: Peng Du, Haibao Hu and Xiaopeng Chen**

This Reprint compiles published papers from the Special Issue “Innovative Research and Applications in Hydrodynamics and Flow Control” in the journal *Inventions* (MDPI). It comprises high-quality academic contributions covering fundamental theories, numerical simulations, experimental methods, engineering applications, and intelligent technologies in the field of hydrodynamics and flow control. The contents reflect the latest advances in marine hydrodynamics, computational fluid mechanics, multiphase flow, bubble dynamics, drag reduction, flow instability control, fluid–structure interaction, and data-driven flow prediction. Targeted at researchers, engineers, and graduate students in naval architecture, ocean engineering, mechanical engineering, aerospace, and energy engineering, this Reprint provides comprehensive references for both theoretical innovation and engineering implementation of advanced hydrodynamic and flow control technologies.

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