



Ship Dynamics and Hydrodynamics

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Message from the Guest Editors

Ship hydrodynamics and dynamics have always been one of fundamental elements of naval architecture and ocean technology and cover a wide range of topics related to interaction between a ship or other marine structures and the surrounding fluid; analysis of the resulting loads and motions thus provide indispensable inputs for the ship's strength and design problems. In addition to traditional topics, such as ship resistance, propulsion, seakeeping and maneuvering, the issues related to hydroelasticity, motion control, navigation and guidance, route planning, computational fluid dynamics (CFD), hull form optimization, novel kinds of propulsors and steering devices are also considered. In addition to common surface displacement ships, other kinds of marine craft, submersibles, various ocean structures and platforms often become subjects of investigation.





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Message from the Editor-in-Chief

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