Special Issue

Wave–Structure Interaction: Research, Modeling and Future Application

Message from the Guest Editors

Wave–structure interaction is a pivotal area in coastal and ocean engineering, encompassing a diverse range of research topics. From breakwater design to advancing marine renewable energy devices and enhancing offshore aquaculture systems, this field is integral to the development of innovative marine technology and infrastructure. A thorough understanding of the interaction between water waves (including regular, irregular, shallow water, and breaking waves etc.) and coastal and marine structures is vital for technological and infrastructural advancements in marine environments. This Special Issue will focus on the research, modeling, and future applications of wave–structure interaction. We welcome submissions covering any aspect of this field. This includes, but is not limited to, laboratory or field experiments, Eulerian and Lagrangian numerical modeling approaches, and the application of machine learning techniques. Papers that provide an overview of a particular research area and highlight the current and future challenges associated with these topics are also welcome.
Dr. Chen Hao

Gues Editor Assistant

Guest Editors

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Deadline for manuscript submissions

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
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