Special Issue

Wave–Structure Interaction in Coastal and Ocean Engineering

Message from the Guest Editors

In coastal and ocean engineering, waves, as a dominant dynamic factor, need to be taken into account during the design, construction, and operation of structures. The study of wave–structure interaction enables predictions of structural responses while analyzing changes in flow fields. With the advancements in research methods, wave–structure interaction is progressing towards more complex wave conditions and more intricate structural designs. The aim of this Special Issue is to provide a platform for scholars and engineers to present their novel research on the state of the art of wave–structure interaction in coastal and ocean engineering. The main topics include, but are not limited to the following:

- Interactions between waves and fixed/floating structures;
- Interactions between linear/nonlinear waves and structures;
- The theoretical analysis and numerical simulations of wave–structure interaction;
- Physical experiments on wave–structure interaction.

[...]

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/0HCI1265Z9

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Message from the Editor-in-Chief

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

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