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Test and Measurement Technology in Ocean Engineering

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Message from the Guest Editors

Dear Colleagues,

Test and measurement technology plays an important role in the structural design and safety evaluation of ocean engineering. This Special Issue will focus on solving key bottlenecks in the test and measurement techniques of physical model tests, numerical tests, and field tests, such as the interactions between waves and structures in ocean engineering, the hydrodynamics of marine structures, test and measurement technology in aquaculture engineering, as well as applications of machine learning and digital twin techniques in ocean engineering. Investigations on test and measurement techniques related to the traditional marine industry (e.g., breakwaters, offshore oil platforms, and ships) or emerging ocean engineering (e.g., wave energy converters, wind turbines, and aquaculture structures) are fully consistent with the scopes of this Special Issue.



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Special Issue



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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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