



Offshore Installations and Wave Power Generation

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Message from the Guest Editors

Dear Colleagues,

Various types of offshore installations are needed in coastal areas and ocean zones. Traditionally, offshore structures have been mainly constructed for the offshore oil and gas industries. To tackle climate change and to meet energy demands, innovative offshore installations can be considered, such as floating renewable energy facilities and floating transportation infrastructures. Among the floating renewable energy facilities, many wave energy converter (WEC) technologies are still at a pre-commercial stage, and significant research and development are required to improve their competitiveness. For example, the integration of WECs in multifunctional offshore structures can be an interesting alternative. On one hand, WECs can supply power to integrated structures, e.g., aquaculture platforms, wind turbine platforms, oil and gas platforms, or modular floating structures. On the other hand, WECs can serve as a floating wave-breaker to reduce wave loads acting on integrated structures.





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Message from the Editor-in-Chief

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