

Special Issue

Mooring Systems of Floating Offshore Structures for Emerging Industries

Message from the Guest Editors

Current offshore renewable energy (e.g., wind, waves, and tidal energy) and aquaculture (e.g., fish, seaweed, and mussel farming) practices require large structures to be installed offshore. A key element of these floating structures is the mooring system, which is the subject covered in this Special Issue. Moorings can significantly affect rigid body motions and, in turn, the performance of a floating system and are solely responsible for station-keeping during extreme weather events. Accurately assessing a structure's dynamics and mooring responses in operational and survivable conditions is critical when developing a new technology that can consistently produce sustainable energy/seafood or other products across a wide range of conditions yet mitigate the risk associated with a severe storm.

This Special Issue aims at bridging the knowledge transition between offshore oil and gas and other emerging industries for reliable and sustainable mooring design and analysis of floating offshore renewable energy and aquaculture structures.

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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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