

## Special Issue

# Novel Techniques and Instruments for the Estimation of the Sea-Wave Directional Spectrum

### Message from the Guest Editors

In non-trivial sea states, wind-generated wave energy may propagate differently than the wind direction. In the past, to obtain information on wave directionality, extensive data acquisition techniques were developed through the application of different types of instruments (e.g., buoys and wave probe arrays). Each of these acquisition techniques has both merits and limitations, and they have been used to obtain important information on wind waves. Their directionality is indeed extremely significant for the design of marine systems. Today, the technological advancement of instruments such as radars, stereo-imaging, polarimetric cameras, and others allows the direct analysis of oceanic waves (from satellites, platforms, or vessels) in both their spatial and temporal aspects. As a consequence, the wave frequency–wavenumber relationship can now be studied without decoupling, opening new, interesting research opportunities.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 January 2022)



## Journal of Marine Science and Engineering

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*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.

### Editor-in-Chief

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