Special Issue

Objective Recognition and Detection in Marine Engineering

Message from the Guest Editors

Object detection and recognition play a crucial role in marine engineering, which can facilitate real-time target sensing and information acquisition on both the sea surface and underwater. Currently, various high-performance sensors and their carrying platforms are being developed to collect information on objects of interest in marine observation scenarios. By comprehensively exploiting the physical properties of marine targets, different types of marine observation data can be collected for interpreting and understanding tasks. Due to the limitations of a single physical-field sensor, interferences from sensor-carrying platforms, noises of the surrounding marine environment, and the complex cognitive patterns of marine targets, fast and accurate detection and recognition of marine objects are still ongoing issues. Recently, the rapid development of deep learning techniques has brought new inspiration to this field, and new models and algorithms have been proposed to better tackle the abovementioned challenges. This Special Issue is aimed at receiving articles that investigate marine object detection and recognition by means of advanced sensor and interpretation techniques.

Guest Editors

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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