Special Issue

Artificial Intelligence and Its Applications in Intelligent Ship Navigation

Message from the Guest Editors

As artificial intelligence (AI) continues to develop, autonomous ships have attracted increased amounts of attention with the intention of downsizing the number of staff, increasing efficiency, etc. The deep learning or reinforcement learning network allows more possibilities to improve the intelligence level of ship navigation, which could realize human-like performance in the process of environment perception, decision-making, collision avoidance, and motion control (including berthing and unberthing). Therefore, AI in intelligent ship navigation can boost more applications to assist and even replace officers on board, which is the trend in future autonomous ships in inland waterways and oceans. In this Special Issue, we welcome contributions from a broad range of theoretical, modeling, field, and laboratory research focused on processes that affect intelligent ships.

Guest Editors

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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.

Editor-in-Chief

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