



Navigation, Modelling and Control of Multiple Marine Autonomous Vehicles

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Message from the Guest Editor

Dear Colleagues,

With the development of unmanned technologies and electronics, marine autonomous vehicles have become the basis for performing a wide range of missions in aquatic environments. Joint implementation of complex commands by a coordinated group of vehicles can help to accomplish mission goals in an efficient and robust manner, significantly reduce the mission time and its cost, and help to gather more reliable information about the environment. The harsh conditions of marine environments and the need to consider joint motion constraints pose new challenges requiring the development of advanced motion planning and control methods.

This SI aims to gather recent advances on navigation, guidance, and control of multiple marine autonomous vehicles acting in cooperation. High-quality research papers describing new approaches to cooperative motion planning, localization, and control of multi-vehicle systems, supported by theoretical and experimental studies, are encouraged.





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Message from the Editor-in-Chief

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