

CALL FOR PAPERS

Special Issue on Marine Robotics and Control Systems

Publication: February 2020 • Submission Deadline: August 15, 2019

Marine Robotics is a rapidly growing field. *International Journal of Control, Automation, and Systems* (IJCAS) is pleased to announce an upcoming Special Issue on Marine Robotics and Control Systems. There are many human activities in marine fields such as transportation, construction of underwater structures, and resource investigation. Marine environments are severe and risky for human working, and have many uncertainties. Recently, several marine robots and vehicles have automated many risky tasks being manually done in underwater or on the surface. This special issue focuses on applications of marine robots and control systems. The leading researchers in the related areas are strongly encouraged to submit their contributions to share the cutting edge technology and novel ideas with other researchers and engineers. The special issue publishes original papers of novel theory, methodology, algorithm, improvements and results relevant to the field of marine robotics and control. The priorities will be given to papers including original works which are supported by experimental results, especially in sea-trial with careful modeling. They can significantly contribute to academia as well as industry and bring out prospective applications.

Topics of this special issue will include, but are not limited to:

- Unmanned Underwater Vehicle (UUV), Autonomous Underwater Vehicle (AUV), Remotely Operated Vehicle (ROV)
- Unmanned Surface Vehicle (USV), Autonomous Surface vehicle (ASV), Unmanned Ship
- Intelligence and Autonomy for Marine Robots and Vehicles
- Control and Modeling for Marine Robots and Vehicles
- Underwater Sensing, Multi-Modal Sensor Fusion, and Manipulation for Marine Robot
- Vehicle Guidance, Navigation, Path Planning, Fault Diagnosis and Fault Tolerance in Marine Robots
- Perception, Cognition in Marine Robots

All manuscripts will go through regular review processes of the journal.

Manuscript Preparation and Submission

Please follow the guidelines appearing in “Information for Authors” from the website, <http://www.ijcas.com/>. Submit your manuscript in electronic form through the Manuscript Central web site, <http://jcas.edmgr.com/>. Upon the popup menu in page #1 asking “manuscript type”, please select “Special Issue on Marine Robotics and Control Systems”.

Important Dates

Submission of Manuscripts	August 15, 2019
Notification of Acceptance	November 15, 2019
Submission of Final Papers	December 15, 2019
Publication	February, 2020

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