



Advances in Underwater Robots for Intervention

Guest Editors:

Prof. Dr. Hai Huang

National Key Laboratory of
Science and Technology on
Underwater Vehicle, Harbin
Engineering University, Harbin,
China

Dr. Zhenzhong Chu

School of Mechanical
Engineering, University of
Shanghai for Science and
Technology, Shanghai, China

Prof. Dr. Pedro J. Sanz

IRS-Lab, Computer Science and
Engineering Department, Jaume
I University, Avd. Sos Baynat s/n,
12071 Castellón de la Plana,
Spain

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Message from the Guest Editors

Dear Colleagues,

Nowadays, a relevant number of field operations in applications such as marine rescue, marine science, and offshore industries have been carried out through underwater robot manipulation. In such scenarios, most of the operation tasks are undertaken through remotely operated vehicle (ROV) or autonomous underwater vehicle (AUV) manipulations. Working-class ROV manipulations are useful for deep and heavy operations, while AUV manipulations can be realized without mothership intervention and thus help to reduce the mission cost. Currently, the challenges of underwater robot manipulations include complicated underwater vehicle manipulator mechanics, dynamics and hydrodynamics modeling on underwater robot manipulators, autonomous robot manipulation planning, and sensing-based manipulation control. This Special Issue is dedicated to recent advances in Underwater Robots and Manipulators.





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Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
School of Engineering, The UWA
Oceans Institute, The University
of Western Australia, Perth, WA
6009, Australia

Message from the Editor-in-Chief

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*Journal of Marine Science and
Engineering* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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