

IEEE Journal of Oceanic Engineering Call for Papers
Special Issue on
Cutting Edge AUV Technologies and their Applications

The Journal will publish a special issue focusing on the rapidly evolving technologies on autonomous underwater vehicles (AUVs). AUVs are now widely used in the world as a useful tool to explore underwater environments. We would like to share the overview of latest state of the AUVs' technologies and applications, and evoke discussions on the current challenges and future developments.

The topics include all aspects of the AUV technologies, such as hardware and software design, performance, control, navigation, sensing, mission planning, multi-vehicle systems, and post processing. The issue also covers their applications, such as scientific survey of hydrothermal vent fields, under ice survey, ship wreck survey for underwater archaeologies, accident investigation, inspection and maintenance of artificial structures, and so on. The topics also include open source movement, which has become a trend in robotics. The underwater robot is no exception.

The special issue will feature invited prominent papers from the joint symposium/workshop 2016 IEEE OES Autonomous Underwater Vehicle (AUV 2016) which will be held in November 2016 in Tokyo. It is a biannual workshop organized by IEEE OES. This time, the workshop will be held in Asia for the first time. About 150 participants and 80 papers are expected.

Individual papers will be posted on IEEE Xplore immediately on approval of the final galley proof, thus becoming downloadable and citable in advance of publication in the regular issue of the Journal.

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Important Dates:

January 29, 2017: Manuscripts submitted before this date will be considered for publication in the special collection. All manuscripts must be submitted through the Journal's website:

<http://joe.msubmit.net>

Authors should include a cover letter when submitting their manuscript indicating that the contribution is intended for the Cutting edge AUV special issue.

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