

USYS'16

6th International Conference on Underwater System Technology: Theory and Applications 2016

13th & 14th December 2016 | Penang, Malaysia

Organised by:



This conference aims to provide a platform for researchers, scientists, engineers, academicians, as well as industrial professionals from all over the world to share, discuss and disseminate their current R & D activities and experiences related to the field of underwater system technology, including relevant theories as well as applications.

USYS'16 focuses on exploring new technology and approach to utilize the vast resources of the oceans, developing new engineering strategies for the preservation of the oceans eco-system, as well as providing a specialized forum for discussing the future of underwater system technology.

TOPICS

USYS'16 is seeking original, unpublished submissions for oral presentation. The topics of interest are, but not limited to:

Underwater Vehicle Technology

- Underwater Vehicle Platform – ROV, AUV and Hybrid
- AUVs Docking and Retrieval System
- Underwater Vehicle for Shallow Water
- Underwater Vehicle for Deep Water

Artificial Intelligent Subsea System

- Vision System for Underwater Application
- Adaptive Path Planning and Navigation for AUV
- Advanced Underwater Object Ranging and Tracking
- Intelligent Navigation Guidance and Obstacle Avoidance

Control Systems

- Underwater Robotic Arm
- Intelligent Task-Oriented Control Architecture
- Simultaneous Localisation and Mapping (SLAM)

Software Engineering and Simulation

- Virtual Collaborative Simulation Software
- Predictive Virtual Environment
- Seabed Mapping Techniques

Ocean Science and Engineering

- Ocean Structure
- Marine Biology
- Fishery Technology
- Climate Change

Subsea Applications

- Underwater Communication System
- Non-acoustic Sensors for Marine Environment
- Renewable Energy Sources
- Electric Propulsion System
- Battery Storage System

Underwater Acoustics

- Imaging Techniques
- Sensors and Instrumentation
- Acoustic-based Communication
- MEMS-based Systems

Industrial Applications

- Underwater Inspection and Mapping
- Pipeline Tracking & Maintenance
- Deep-water Structure

SUBMISSION PROCEDURE

Papers must be written in English and should describe original work, which has not been published or being reviewed for other conferences. Please submit the full-paper in .doc or .pdf format limited to six pages. Accepted paper will be sent to IEEE Xplore for indexing (subject to fulfilling the IEEE regulation) and selected paper from the conference will be considered for publication in Journal of Geo-Marine Sciences (ISI-indexed journal).

CONFERENCE FEES

	Local	International
IEEE Member	RM 700	USD 300
Non-IEEE Member	RM 800	USD 350
Attendee	RM 500	USD 250

IMPORTANT DATES

Extended Deadline for full-paper : **30th September 2016**
 Notification of Acceptance : **30th October 2016**
 Submission of camera ready manuscript : **15th November 2016**

CONTACT

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