

# ***Fifth ISOPE Underwater Technology Symposium***

## **At the 30th Annual International Ocean and Polar Engineering Conference**

**Shanghai, China, June 14–19, 2020**

### **First *CALL FOR PAPERS***

Technical session and symposium on underwater systems will be held at the annual conference of ISOPE-2020. The technology of underwater systems is the key to global environmental issues or energy and resources survey and recovery. This symposium deals with broad-ranging topics on underwater systems, including design and operation, propulsion, maneuverability of ROV, AUV, UUV, towing vehicles and oceanfloor vehicles. Related technologies such as USV, control system synthesis, positioning, navigation, underwater acoustic communication and imaging are also discussed.

As the technical session, Sensing, Navigation, Dynamics, Design, Control are scheduled in this symposium. A focused session, "CFD in Underwater Technology," is also scheduled.

The organizing committee cordially invites scientists and engineers from academia and industry to share their latest advancements. Papers are required for peer-review prior to final acceptance. Conference Proceedings are INDEXED by Engineering Index, Compendex, Scopus, Thomson ISTP, Fluidex and more.

*Special ISOPE room rate starts from \$110 and up per/night.*

#### **Suggested Technical Topics**

- **Design & operation of underwater vehicles**
- **AUV, UUV design & operation**
- **ROV design & operation**
- **USV design & operation**
- **Robots, robotics & control**
- **Propulsion of underwater systems**
- **Positioning & navigation of underwater systems**
- **Control system synthesis for underwater systems**
- **Motion control & maneuverability of underwater systems**
- **Acoustic communication & imaging**
- **Exploration, survey & sensing**

#### **Symposium Organizing Committee:**

**Dr. Enrico Anderlini**, University College London, [e.anderlini@ucl.ac.uk](mailto:e.anderlini@ucl.ac.uk)  
**Prof. Masakazu Arima**, Osaka Prefecture Univ, [arima@marine.osakafu-u.ac.jp](mailto:arima@marine.osakafu-u.ac.jp)  
**Dr. Mario Felli**, CNR-INSEAN, [mario.felli@cnr.it](mailto:mario.felli@cnr.it)  
**Dr. Shojiro Ishibashi**, JAMSTEC, [sisibasi@jamstec.go.jp](mailto:sisibasi@jamstec.go.jp)  
**Prof. Masahiko Nakamura**, RIAM, Kyushu Univ, [naka@riam.kyushu-u.ac.jp](mailto:naka@riam.kyushu-u.ac.jp)  
**Prof. Hiroyoshi Suzuki**, Osaka University [suzuki\\_h@naoe.eng.osaka-u.ac.jp](mailto:suzuki_h@naoe.eng.osaka-u.ac.jp)  
**Prof. Shuo Wang**, Institute of Automation, CAS, [shuo.wang@ia.ac.cn](mailto:shuo.wang@ia.ac.cn)  
**Prof. Guohua Xu**, Huazhong Univ of Sci and Tech, [hustxu@mail.hust.edu.cn](mailto:hustxu@mail.hust.edu.cn)  
**Prof. Satoru Yamaguchi**, Kyushu University, [yama@nams.kyushu-u.ac.jp](mailto:yama@nams.kyushu-u.ac.jp)  
**Prof. Giuseppe Conte**, Università Politecnica Delle Marche, [gconte@univpm.it](mailto:gconte@univpm.it)  
**Prof. Jin S Chung**, ISOPE, [jschung@isope.org](mailto:jschung@isope.org)

#### **Key Dates:**

- Abstracts due: **October 20, 2019**
- Manuscript for review: **Jan. 15, 2020**
- Final Revised Paper due: **March 24, 2020**



Interested authors should send abstracts to one of the organizing committee members or

<http://www.isope.org/index.php/online-submission/>

The abstracts MUST include the contact author's postal address, telephone or fax numbers, and e-mail address to facilitate communications.