

# **9<sup>th</sup> International SUT (China) Technical Conference**

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## **1<sup>st</sup> SUT/SEG Marine Resources Exploration and Development Technology Symposium**

(Second Notice)

Changsha, China

January 6-8, 2021

Ocean mineral and hydrocarbon deposits are major resources to ensure a sustainable industrial development in the future. In order to provide an open platform for the advancement of global marine resources exploration and development technology, the 9<sup>th</sup> International SUT (China) Technical Conference and the 1<sup>st</sup> SUT/SEG Marine Resources Exploration and Development Technology Symposium will be jointly held in Changsha, China, from January 6 to 8, 2021. We would like to extend our warmest invitation to experts and scholars from home and abroad engaged in scientific research, education, production, application and other disciplines to discuss the development of underwater technology, engineering equipment and related industrial topics.

Founded in 1966 and headquartered in London, United Kingdom, the Society for Underwater Technology (SUT) is the most influential academic organization in the world of underwater engineering and is a multidisciplinary society that brings together institutions and individuals concerned with underwater technology, marine science and marine engineering. The SUT Technical Conference was initiated by SUT China Branch and 8 sessions have been successfully held since 2012 in Shenzhen, Shanghai, Qingdao, Beijing, Haikou and Zhoushan, which have been highly recognized by experts and scholars.

Founded in 1930 and headquartered in Tulsa, Oklahoma, USA, the Society of Exploration Geophysicists (SEG) is a technical organization dedicated to promoting the development, progress and innovation of Applied Geophysics. It has more than 33,000 members worldwide from 138 countries. SEG has trained a large number of geophysicists in the exploration and development of natural resources, characterization of near surface features and mitigation of earth hazards. SEG organizes the world's largest Geophysics Congress every year

and achieves its mission through publications, conferences, forums, online resources and educational opportunities. SEG China was established in April 2008 in Beijing, which is the first branch of SEG outside the United States. It serves members of China and all projects in China and provides targeted services according to Chinese market conditions.

For the first time, the symposium of marine resources exploration and development technology takes the opportunity to implement national strategies and promote the economic development of Hunan. It will be held in Changsha. This symposium targets to discuss ways to effectively carry out the transformation and upgrading of related engineering machinery and equipment for marine resources exploration and development, improve the quality of personnel training, enhance the ability to serve the local economy and further the sustainable use of marine engineering equipment and resources in the future. It provides a platform for domestic and international experts and scholars to discuss.

This conference will be held in Changsha city, which is rich in historical heritages such as old wall remains and ancient tomb sites. It is also considered to be the cradle of Huxiang culture. Changsha Research Institute of Mining and Metallurgy is the first company to be involved in the development of deep sea mining technology in China. It has undertaken major and key scientific research and built a State Key Laboratory of Exploitation and Utilization of Deep Sea Mineral Resources and an International Joint Research Centre for the Development of Seabed Mineral Resources. It is a major innovation base for the exploration and development of deep-sea mineral resources, marine technology development and international cooperation.

## **I. Time and Place**

January 6-8, 2021

Changsha, Hunan

## **II. Hosts and Organizers**

**Hosts:** SUT

SEG

Changsha Research Institute of Mining and Metallurgy

**Organizers:** Changsha Research Institute of Mining and Metallurgy

SEG China

**Supporting Organizations:** Central South University  
China University of Petroleum (Beijing)  
Hunan University  
State Key Laboratory of Exploitation and Utilization of Deep Sea Mineral Resources  
Hunan Key Laboratory of Nonferrous Resources and Geological Hazards Exploration  
International Joint Research Center for Exploitation of Seabed Mineral Resources  
National Natural Science Foundation of China

### **III. Organizing Committee**

**Chairman:** Frank LIM

**Executive Chairman:** Zhuo Xiaojun

**Vice Chairmen:** Liao Liangji, Huang Xuri, Liu Jianxin

**Secretaries:** Zheng Hao, Flora Wu, Gu Qingmei, Liu Hongping,  
Lv Xuling, Guo Zhenwei, Hu Manjiang

### **IV. Technical Committee**

**Chairman:**

Ding Rongjun, Academician, Hunan University

**Members:**

Li Maolin, Professor, Changsha Research Institute of Mining and Metallurgy

Cui Weicheng, Professor, Westlake University

Liu Shaojun, Professor, Central South University

Yan Jun, Professor, Dalian University of Technology

Liu Jianxin, Professor, Central South University

Li Qingping, Chief engineer, CNOOC Research Institute

Zhang Dagang, President, DMAR Engineering (Qingdao)

Frank LIM, Adviser, 2H Offshore

Chang Gwo-ang, Adviser, SEG China

Alfred Liaw, President, SEG China

Duan Menglan, Professor, China University of Petroleum (Beijing)

Guo Zhenwei, Professor, Central South University

Bian Yougang, Researcher, Hunan University

Wang Xianying, Researcher, Guangzhou Marine Geological Survey

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## **V. Call for Paper**

This conference will focus on the following topics (including but not limited to):

1. Deep sea resource exploration technology and equipment
2. Deep sea mining technology and equipment
3. Gas hydrate exploration technology and equipment
4. Gas hydrate mining technology and equipment
5. Coastal technology and ocean engineering
6. Offshore petroleum engineering
7. Subsea production system
8. New ship and deep water offshore platform
9. Risers and pipelines
10. Intelligent manufacturing of marine engineering equipment
11. Construction and application of ocean big data platform
12. High performance materials
13. Marine engineering experimental techniques

## **VI. Paper Submission**

1. All presentations will be in English.
2. The content of the presentation shall relate to one or more of the conference topics, highlighting the innovation and achievement in the field of underwater technology, geophysics and marine engineering equipment, and has important academic and technical application value. It should not have been published or presented in conferences at home and abroad.
3. The abstract format can be found at <http://www.sutchina.org/> which is also the registration website. Please submit abstract to [SUTChina@163.com](mailto:SUTChina@163.com) (file name format: paper name + author + organization, WORD version).
4. Abstract submission open: July 1, 2020.
5. Abstract (1 page max.) submission deadline: August 31, 2020.  
Full paper (10 pages max.) submission deadline: October 31, 2020.

## **VII. Paper Publication**

Those presenters who wish to write and publish a paper can do so for review, and possible inclusion in *SUT UK Underwater Technology Journal* (English version) (EI index). At the same time, the conference team will also choose some articles to publish in the *Journal of Central South University* (English version) (SCI, EI index), *Journal of Nonferrous Metals* (English version) (SCI, EI index), *Mining and Metallurgy Engineering* (CSCD index).

## **VIII. Schedule**

<b>January 5</b>	Registration
<b>January 6</b>	Invited Keynote Presentations
<b>January 7-8</b>	Technical Oral and Poster Sessions
<b>January 9-10</b>	Visits and Excursions

## **IX. Contacts**

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Conference Organizing Committee

July 21, 2020