



OceanTech Program (OT 2019)

国际海洋技术会展
OceanTech Program
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An International Showcase of
the Latest Know-how & Live Demos Conceived and
Realized by China's Ocean Community

May 16-18, 2019

Zhoushan Campus,
Zhejiang University, China



Initiated by:
Ocean College, Zhejiang University

Organizer:
Together Expo Limited

Technical Co-Sponsors:
Ocean College, Zhejiang University
Second Institute of Oceanography, Ministry of Natural Resources
Zhejiang Ocean University
Committee of Ocean Technology System (OTS),
Chinese Society of Oceanography
Society for Underwater Technology China Branch (SUT China)
IEEE OES Shanghai Chapter
Zhejiang Society of Oceanography

International Marine Industries Partners:
World Ocean Council (WOC)
Institute of Marine Engineering, Science and Technology (IMarEST)

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China Ocean Technology Conference and the OceanTech Program 2019

China Ocean Technology Conference, attended by China's top academic members and international scholars, is organized by Zhejiang University and the Committee of Ocean Technology System (OTS), Chinese Society for Oceanography, biennially. The national conference is now permanently taking place in Zhejiang University's Zhoushan Campus. The third one, held in May 2017, saw the participation of 500 experts from the ocean technology sector, who met in Zhoushan, China's leading marine cluster & world renown ocean city, to exchange know-how and to discuss the latest trends, R&D and applications.

The speaker line-up was impressive, with some of most renown academicians and experts from the field in the auditorium. The meeting involved delegates from across the nation, as well as visiting international experts. For example, among the speakers were Gong Xianyi, Member of Chinese Academy of Engineering, Zhejiang University; Wu Lixin, Member of Chinese Academy of Sciences, Ocean University of China; Jiao Nianzhi, Member of Chinese Academy of Sciences, Xiamen University and Zhang Si, Member of Chinese Academy of Engineering, South China Sea Institute of Oceanology (SCSIO) in the third conference last year.

OceanTech International Symposium and OceanTech Program

With the accomplishments over three editions, and with the support of the IEEE OES Shanghai Chapter and SUT China Branch, OceanTech International Symposium will be launched as part of an expansion initiative of the national conference in 2019.

The 4th China Ocean Technology Conference and the newly launched OceanTech International Symposium will now form part of an umbrella program -- OceanTech Program (OT 2019) -- that unfurls into an exhibition, co-located conferences, technical seminars, workshops, and live demonstrations. A guided tour will also be hosted for international delegates to visit some of the most important ocean facilities in Zhoushan. Talent Club will also be launched to serve career development for China's rising stars.

The OceanTech Program (OT 2019) is an international showcase of the latest know-how & live demos, conceived and realized by China's own ocean community. It is a unique opportunity to meet with old customers, exchange new idea, build new contacts, promote new products, find distributors and learn the latest developments in China through networking with the nation's ocean community.

Why Zhoushan?

The OceanTech Program (OT 2019) will be hosted at Ocean College, Zhejiang University (Zhoushan Campus).

Zhoushan, China's largest archipelago and one of the nation's leading port cities, is a popular tourist destination in Zhejiang Province. It is home to Ocean College, Zhejiang University.

In addition to Zhejiang University, Zhoushan's local government has established collaboration with Beijing University, Shanghai Jiaotong University, as well as the Chinese Academy of Sciences and the Second Institute of Oceanography (MNR).

With State Council's approval to establish Zhejiang Zhoushan Islands District on 2011, it became the fourth national level new economic zone and the first with such status to build a marine economy, serving as China's strategic oceanic window to the world.

Zhoushan's key industries include: port and navigation services, ocean technology equipment, marine engineering equipment and shipbuilding, marine tourism, marine sourced energy production, marine mining and mineral extraction, marine biotechnology and modern marine fisheries.

In 2007, Ningbo – Zhoushan port has topped global port rankings by capacity for the ninth straight year, while becoming the first port with an annual handling capacity of more than a billion tons. Zhoushan is also a world renown ship maintenance base, with Xinya Shipyard Company, one of China's top three shipping repair companies, located in Lihuan.



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Venue: Zhoushan Campus, Zhejiang University



Ocean College, Zhejiang University (Zhoushan Campus), is located on China's largest archipelago and in one of China's leading port cities - Zhoushan, Zhejiang Province.

It has nine research institutes and one research center which include Institutes of Ocean Engineering and Technology, Marine Geology and Resources, Marine Chemistry and Environment, Marine Biology and Pharmacology, Physical Oceanography and Remote Sensing, Port, Waterway and Offshore Engineering, Marine Structures and Naval Architecture Engineering, Ocean Sensing & Networking, Ocean Electronics Engineering & Intelligent System and the Maritime Logistics and Free Trade Islands Research Center. It has also established the Zhejiang University Ocean Research Institute and Zhejiang University Advanced Technology Research Institute Zhoushan Ocean Branch.

Ocean College focuses on China's national strategic objectives in resources, environment, sovereign rights and deep oceans, and, the local science and technology needs in Ocean Engineering Equipment, Environmental Protection Technology, Deep Ocean Equipment and Resources Exploration Technologies, Marine Safety Assurance Technologies, and Marine Environment Monitoring and Restoration. The college benefits from its location in Zhoushan, a unique ocean environment, and Zhejiang University's multidisciplinary structure. Ocean College strives to build a premier national ocean science education and talent base.

Ocean College's banner meeting, China Ocean Technology Conference attended by China's top academic members and international scholars, is conducted biennially in May. In 2019, the 4th China Ocean Technology Conference will co-locate with the new OceanTech International Symposium and OceanTech Exhibition. These events -- to be held May 16-18 -- are part of OceanTech Program (OT 2019), aiming to stage the latest technological advancements and to facilitate

the growth of China's ocean technology industry in its strategic oceanic window to the world.

Ocean College (Zhoushan Campus) Research Facilities

Ocean College owns advanced research facilities, and, counting some to be completed, include:

- Zhairuoshan, China's first island dedicated as ocean technology test bed
- The state engineering laboratory with local collaboration for ocean engineering equipment
- Zhejiang Province's premier facilities including:
 - Ocean Geotechnical Engineering and Materials Laboratory
 - Ocean Observation-Imaging Test Area, Ocean Equipment Engineering Laboratory
 - Engineering Laboratory for Ocean Equipment
 - Ocean Engineering Materials Laboratory
 - Off Shore Testing Platform for New Technology Innovations and the "Smart East Ocean" Collaboration Innovations Center
- An array of ocean engineering testing facilities, including:
 - 500m x 15m x 10m Anechoic Tank
 - Large-scale Wave-Current-Sediment Basin
 - Maneuvering Rotating Arm Tank
 - Bed-Load Flume
 - U-Shaped Hydraulic Flume
 - Large-Scale wave-current Flume
 - Precise Experimental Hydraulic Flume
 - Annular Flume
 - Geophysical Fluid Dynamics (GFD) Rotating Tank
 - 60MPa Pressure Tank
 - Dual Six-Degree of Freedom (6-DOF) Platform



Introduction of The Committee of Ocean Technology System (OTS), Chinese Society of Oceanography

The Committee of Ocean Technology System (OTS), based at Ocean College, Zhejiang University, was established in 2017. The formation of OTS was initiated by the Zhejiang University and China's Ocean Technology Community and approved by the Chinese Society of Oceanography. OTS' primary objective is to help fulfil China's initiatives for strengthening its oceanic capabilities.

OTS' scope covers the technology and equipment employed in the studies of ocean sciences, marine resource exploitation, environmental protection and national security assurance.

OTS' roles include organizing academic seminars, conducting internationally collaborated projects and optimizing available resources by substantiating, assessing, awarding and promoting innovative programs to foster ocean technology development.

As a national platform for ocean technology field, OTS supports domestic innovation by establishing systematic R&D and manufacturing channels. Additionally, OTS works with experts in the ocean technology community to create demand to accelerate the scientific, technological and commercial advancements of this sector.

OTS advocates for expanding education and training for the industry, and provides advice on national strategies, policies and decisions to support the development of new technology clusters and commercializing ocean technology innovations.

Among the founding members of OTS are, (in no particular order)

- Zhejiang University
- Institute of Deep-sea Science and Engineering, Chinese Academy of Sciences (IDSSE, CAS)
- Shanghai Jiao Tong University
- Hunan University of Science and Technology
- Second Institute of Oceanography, MNR
- Graduate School at Shenzhen, Tsinghua University
- China Shipbuilding Industry Corp No. 702 Research Institute
- Tianjin University
- Ocean University of China
- Harbin Engineering University
- National Deep Sea Center
- Shenyang Institute of Automation Chinese Academy of Sciences
- The Institute of Acoustics of the Chinese Academy of Sciences
- China Shipbuilding Industry Corp No. 710 Research Institute
- China Shipbuilding Industry Corp No. 715 Research Institute
- National Ocean Technology Center (NOTC)
- Guangzhou Marine Geological Survey, CGS
- Shanghai Ocean University
- Hangzhou Dianzi University

About Together Expo Limited

Together Expo embraces its role to engage its customers in the latest Belt and Road Initiatives, spear headed by the Chinese Government, which call for integrating the region into a cohesive economic area through building infrastructure, tighter exchanges and broader trade that reach beyond the historical Silk Road to the Belt – South Asia and Southeast Asia.

Since its incorporation in 1992, Together has organized shows for an array of industries including geology, agriculture, automobile, coal and mining, communications, construction, engineering, environment, fire, foods, furniture, health care, jewelry, logistics & transportation, optics & semi-conductors, real estate, retail, sports, wood – wherever more sophisticated technology is needed to modernize China's

own industries. As China emerged as the World Factory, energy and resources became the focus of the country's growth, Together consolidated its resources into the energy fields to organize Asia's largest coal & mining show and China's only national scale geology show, both in the capital Beijing. As China emerged as a global investor and cross-border venturer, road-mapping its One Belt, One Road policies, Together captured the change, and has now entered into the ocean that connects all the continents of the world.



Exhibits Profile

Subsea Cable Systems

- Cable Assembly and Processing
- Communication Cable, Umbilical Cable, Sonar Cable, Customized Cable
- Watertight Connector
- Underwater Cable Surveillance and Monitoring & System
- Cable Harnesses

Marine Structure Design Systems

- Fundamental Design, Modelling
- Complete Design
- Structural Intensity Analysis
- Quick Analysis
- Hydropower Analysis
- Outfitting Design

Anchor and Riser Systems

- Anchor Chain- Braided Rope , Wire rope, Polymeric Rope
- Seabed Pipeline
- Anchor Chain Launch & Recovery Equipment (AHTS)
- Pipeline Installation Equipment
- Other Seabed Recovery Equipment and Device

Deck Machineries

- Cranes, Hoists & Winches
- Rust Cleaning, Polishing & Lacquering Equipment
- Cargo Handling System
- Waste Handling & Treatment
- Oil Transportation
- Emergency vessels, Small crafts
- Safety & Security Equipment
- Fire Extinguishing Systems
- Survival Equipment

Propelling Systems

- Propellers
- Dynamic Positioning Systems
- Rudder Machinery
- Engines
- Fuel Systems
- Engine Room Auxiliary Machinery
- Stabilizing Equipment

Navigating & Positioning Systems

- Navigation & Position Receiving System
- High Accuracy Satellite Global Position System
- Inertial Navigation & Positioning System
- 3-Dimensional Instrument
- Real time Dynamic Position Surveillance System
- Electric Gyrocompass
- Echo Sounders
- Heave Compensation Equipment

Ocean Physics & Hydrographic Observation Systems

- Tidal Observations
- Temperature, Depth, Salinity and Pressure Observation
- Ocean Current Monitoring
- Ocean Weave Monitoring
- Dissolved Oxygen, Turbidity, Organic Compound, PH-value, Chlorophyll, Blue Green Algae Measurement
- Hydrologic Observation Chain
- Meteorological Parameter Observation
- Wind Field Measurement
- Sonic Velocity Measurement
- Water Level Monitoring
- Eco-environment Monitoring
- Density Measurement

Geophysical Exploration of Ocean Floor

- Single Beam Echo Sounder
- Multi-beam Echo Sounder
- Side Scan Sonar System
- Sub-bottom Profiling Survey
- Deep Strata Profiling Survey
- Ocean Magnetometers
- Underwater Metal Detection

Underwater Optical Systems

- Underwater Laser
- Fluorescent Light
- Underwater Movie & Photograph
- Underwater Imaging System
- Underwater Laser Scanner

Ocean Resources Sampling Technology and Processing Equipment

- Sediment Sampling Technology
- Water Sampling Technology
- Biologic Sampling Technology
- Underwater Rigs
- Drilling Equipment
- Mining Truck
- Vibrating Sampler
- Twist Drill Sampler
- Pressure Retaining Sampler
- In-situ Cultivation Equipment
- Pressure Retaining Transferring Equipment
- Core Density Testing
- Core Structural Testing
- Porosity Testing
- Geotechnics & Mechanics Testing
- Infiltration Rate Testing
- Offshore Gas Hydrates Sampling Technology
- Sea Bottom Manganese Nodule and Cobalt Crust Sampling Technology
- Sampling Support Facilities for Underwater Vehicle
- Saturation Level Testing

Marine Survey, Mapping and Post-Processing Systems

- Marine Gravity Survey
- Marine Magnetic Survey
- Seafloor Heat Flow Measurement
- Marine Electrical Detection
- Marine Radioactivity Survey
- Marine Seismic Survey
- Post-Processing Equipment
- Post-Processing Software

Ocean Bottom Seismograph and Forecast Systems

- Acquisition Sensor
- Communication, Forecast

Ocean Energy Exploitation & Utilization

- Wave Energy
- Ocean Current Energy
- Offshore Wind Energy
- Ocean Thermal Energy Conversion
- Osmotic Pressure Energy
- Tidal Energy

Ocean Remote Sensing Systems

- High Accuracy Remote Sensing Image Processing Systems
- Unmanned Aerial Vehicle
- Optics, Radar Satellite
- 3D Photogrammetry

Oil & Gas Exploration

- Subsea Oil & Gas Treatment
- Oil Spilling Contingency Plan & Response
- Oil & Gas Transportation
- Drilling Equipment (Oil & Gas)

Ship and Offshore Platform

- High Speed Vessel
- Multi-hulled Vessel
- Unmanned Patrol Boat
- Survey Ship
- Yacht
- Rescue Vessel
- Research Vessel
- Floating Production Storage & Offloading Systems (FPSO)
- Ocean Going Vessel
- Specialized Fishing Vessel
- River and Ocean Combined Transportation Ship
- Self-Propelled Elevating Work Platform
- Semi-submerged Platform
- Tension Leg Platform(TLP)
- SPAR
- Floating Wind Turbine
- Marine Ranching Platform

Subsea Testing

- Remotely Operated Vehicles(ROV)
- Autonomous Underwater Vehicles(AUV)
- Diving Equipment
- Oxygen Gears
- Underwater Navigation, Positioning & Communication Systems
- Underwater Acoustic Release
- Underwater Battery
- Underwater Pressure Resistant Chamber
- Robotic Arm
- Hydraulic Systems
- Special Marine Material(Light Weight, High-Intensity, Corrosion Resistant)
- Buoyancy Materials

Seacoast, Port Engineering, Ocean Environment

- Seabed Sediments Observation
- Marine Environmental Monitoring (Antifouling & Oil Spill Survey etc)
- Coast Erosion Monitoring

Consultation, Training, Education Institutions

- Classification Societies
- Diving Certification
- Journals
- Colleges, Research Institutions, Centers

Industrial Associations

- Worldwide Ocean Technology Associations, Societies, Research Institutions, Centers, etc.
- Various Ocean Talent Clubs
- NGO, Student Unions, etc

Delegate Registration

USD2,000 per delegate (RMB15,000 per delegate)*

Full Delegation registration includes the following:

- Access to all conference events, exhibition, training sessions, live demonstrations, etc.
- Conference bag, name tag and programs, OT 2019 Delegate List
- Lunch & coffee/tea breaks
- Networking receptions
- Ground Transportation from Ningbo, Hangzhou or Shanghai Airport
- Three Night Accommodation (Single Occupancy)
- Hotel & Fairground, Conference Venue Transportation
- Guided Study Tour for Ocean Facilities

THREE Full Delegate Registration (same company) will be entitled for one 2 x 3sqm furnished exhibition booth.

(OR Full-Page Color Advertisement on the Official Show Directory)

Exhibition Registration

Raw Space Rental (minimum : 36sqm)*

USD350 per sqm (RMB2,635 per sqm)

Shell Scheme Booth (3mx3m)*

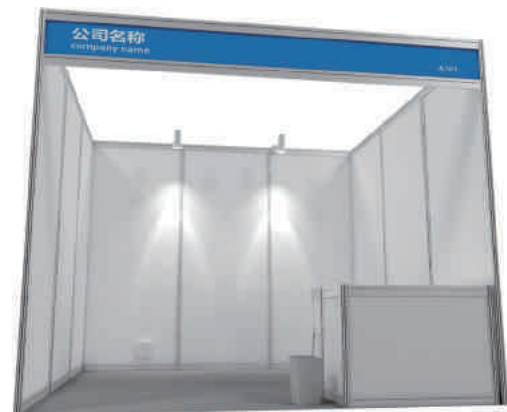
USD4,500 (RMB33,750)



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