



2024 国际产学研用合作会议  
2024 International Conference on the Cooperation and Integration of Industry, Education, Research, and Application

# 2024 未来海洋国际产学研用合作会议（青岛）

2024 International Conference on the Cooperation and Integration of Future Industry, Education, Research and Application of the Ocean Industry (Qingdao)

## 会议手册 Conference Brochure



中国 · 青岛

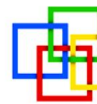
Qingdao·China

2024 年 10 月 23-24 日

October 23<sup>rd</sup> -24<sup>th</sup>, 2024



**中国海洋大学**  
OCEAN UNIVERSITY OF CHINA



**2024 国际产学研用合作会议**

2024 International Conference on the Cooperation and Integration of Industry, Education, Research, and Application

## 组织机构 Organization

**指导单位：教育部、山东省人民政府**

Guided By Ministry of Education; Shandong Provincial People's Government

**主办单位：教育部学校规划建设发展中心、山东省教育厅**

Hosted By National Center for Schooling Development Programme;  
Shandong Provincial Department of Education

**承办单位：中国海洋大学**

Organized By Ocean University of China (OUC)

## 会议安排 Schedule

2024 年 10 月 23 日 October 23 <sup>rd</sup> , 2024	
09:00-12:00	开幕式 Opening Ceremony
13:30-17:00	分会场 1: 物理海洋与海洋信息技术分会场 Forum 1: Physical Oceanography and Marine Information Technology Forum
	分会场 2: 水产资源开发与保护分会场 Forum 2: Aquatic Resources Development and Conservation Forum
	分会场 3: 环境污染控制与生态保护分会场 Forum 3: Environmental Pollution Control and Ecological Protection Forum
2024 年 10 月 24 日 October 24 <sup>th</sup> , 2024	
09:00-12:00	全球海洋合作发展大会 Global Ocean Cooperation and Development Conference
13:30-17:00	分会场 1: 物理海洋与海洋信息技术分会场 Forum 1: Physical Oceanography and Marine Information Technology Forum
	分会场 2: 水产资源开发与保护分会场 Forum 2: Aquatic Resources Development and Conservation Forum





中国海洋大学  
OCEAN UNIVERSITY OF CHINA



## 组织委员会 Organizing Committee

### 总负责人:

刘 勇	中国海洋大学副校长
LIU Yong	Vice President, OUC
陈朝晖	中国海洋大学研究生院常务副院长
CHEN Zhaohui	Executive Dean, Graduate School, OUC
刘海波	中国海洋大学发展规划处处长、研究生院副院长
LIU Haibo	Dean, Division of Development & Planning, OUC Vice Dean, Graduate School, OUC
李卫东	中国海洋大学国际合作与交流处处长
LI Weidong	Director, International Office, OUC

### 会务统筹:

陈奕彤	中国海洋大学研究生院副院长
CHEN Yitong	Deputy Dean, Graduate School, OUC
孙晓晶	中国海洋大学研究生院综合办公室主任
SUN Xiaojing	Director, Office of General Affairs, Graduate School, OUC

### 业务负责人:

韩 莹	中国海洋大学研究生教育发展办公室副主任
HAN Ying	Deputy Director, Office of Graduate Education Development, Graduate School, OUC
黄晓杰	中国海洋大学研究生综合办公室秘书
HUANG Xiaojie	Secretary, Office of General Affairs, Graduate School, OUC
吕 琛	中国海洋大学研究生综合办公室秘书
LV Chen	Secretary, Office of General Affairs, Graduate School, OUC
朱建晓	中国海洋大学工程管理硕士教育中心秘书
ZHU Jianxiao	Secretary, MEM Education Center, OUC

### 总联络人:

梅 涛	中国海洋大学研究生院国际事务办公室秘书
MEI Tao	Secretary, Office of International Affairs, Graduate School, OUC (86-532-66782547, <a href="mailto:meitao@ouc.edu.cn">meitao@ouc.edu.cn</a> )



## 分会场 1：物理海洋与海洋信息技术分会场

Physical Oceanography and Marine Information Technology Forum

**主 席：**

林霄沛（中国海洋大学）

**Chairman:**

LIN Xiaopei (OUC)

**副主席：**

郭忠文（中国海洋大学）

郑小童（中国海洋大学）

乔璐璐（中国海洋大学）

庄光超（中国海洋大学）

董 波（中国海洋大学）

**Vice Chairmen:**

GUO Zhongwen (OUC)

ZHENG Xiaotong (OUC)

QIAO Lulu (OUC)

ZHUANG Guangchao (OUC)

DONG Bo (OUC)

**联络人：**

郑小童（中国海洋大学）

李子光（中国海洋大学）

**Coordinator:**

ZHENG Xiaotong (OUC)

LI Ziguang (OUC)

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## 分会场 2：水产资源开发与保护分会场

Aquatic Resources Development and Conservation Forum

**主 席：**

艾庆辉（中国海洋大学）

**Chairman:**

AI Qinghui (OUC)

**副主席：**

万 敏（中国海洋大学）

高勤峰（中国海洋大学）

高 翔（中国海洋大学）

刘 阳（中国海洋大学）

**Vice Chairmen:**

WAN Min (OUC)

GAO Qinfeng (OUC)

GAO Xiang (OUC)

LIU Yang (OUC)

**联络人：**

张昕宇（中国海洋大学）

**Coordinator:**

ZHANG Xinyu (OUC)

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## 分会场 3：环境污染控制与生态保护分会场

Environmental Pollution Control and Ecological Protection Forum

**主 席：**

江文胜（中国海洋大学）

**Chairman:**

JIANG Wensheng (OUC)

**副主席：**

吕颂辉（暨南大学）

于仁成（中国科学院海洋研究所）

李爱峰（中国海洋大学）

**Vice Chairmen:**

LV Songhui (Jinan University)

YU Rencheng (Institute of Oceanology, CAS)

LI Aifeng (OUC)

**联络人：**

邱江兵（中国海洋大学）

**Coordinator:**

QIU Jiangbing (OUC)

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## 会议议程（北京时间）Agenda (GMT+8)

### 开幕式

### Opening Ceremony

时间：2024 年 10 月 23 日 上午 09:00

Time: 09:00 AM, October 23<sup>rd</sup> 2024

会场：青岛颐海花园酒店五四广场店 颐海厅

Venue: Yihai Hall, the May Fourth Square Branch of Qingdao Yihai Garden Hotel

主题：产学研用深度融合 多元合作共创未来

Theme: Deep Integration of Industry, Academia, Research and Application, Diversified Cooperation, and Joint Creation of the Future

主持人：林霄沛（中国海洋大学）

Host: LIN Xiaopei (OUC)

时间 Time	事项 Item
09:00-09:30	1. 观看宣传片《蓝色华章》 Promotion Video <i>For Ocean</i> 2. 致辞 Speech 发言人：刘勇（中国海洋大学） Speaker: LIU Yong (OUC) 3. 合影 Group Photo
09:30-10:10	报告一 Report 1 报告人 Speaker: Michael Levine (Princeton University) 报告题目：脊椎动物神经脊细胞和心咽肌细胞谱系的起源与演化 Title: Cranial Neural Crest and Cardiopharyngeal Mesoderm Lineages in the Proto-vertebrate Model Ciona
10:10-10:30	茶歇 Break
10:30-11:10	报告二 Report 2 报告人 Speaker: Scott Cummins (University of the Sunshine Coast) 报告题目：从系统生物学角度探讨如何加强无脊椎动物和海藻水产养殖业发展 Title: A Systems Biological Perspective for Enhancing Aquaculture for Invertebrates and Seaweeds
11:10-11:50	报告三 Report 3 报告人 Speaker: Hans von Storch (Helmholtz Zentrum Hereon and OUC) 报告题目：区域环境动力降尺度重建的概念和案例研究 Title: Dynamical Downscaling for Reconstruction Past Changes in Regional Environmental Conditions: Concept and Two Case Studies



## 分论坛 1：物理海洋与海洋信息技术分会场

Physical Oceanography and Marine Information Technology Forum

会场：青岛颐海花园酒店五四广场店 会议厅一

Venue: Meeting Room One, the May Fourth Square Branch of Qingdao Yihai Garden Hotel

Tencent Meeting Links: <https://meeting.tencent.com/dm/Fprqiv3pTwa5>

Tencent Meeting ID: 533-5801-3990

Tencent Meeting Password: 1024

说明：15 分钟（汇报）+ 5 分钟（提问）

Note: 15 min (talk) + 5 min (Q&A)

10 月 23 日 星期三 October 23<sup>rd</sup> Wednesday

主持人 Host: <b>郑小童</b> （中国海洋大学） <b>ZHENG Xiaotong</b> (OUC) <b>吴 晓</b> （中国海洋大学） <b>WU Xiao</b> (OUC)	
时间 Time	事项 Item
14:00-14:20	报告人 Speaker: <b>BI Daohua</b> (Commonwealth Scientific and Industrial Research Organisation) 报告题目：澳大利亚气候模式 ACCESS 对 CMIP 的贡献 Title: Australia's Climate Model ACCESS and CMIP Contributions
14:20-14:40	报告人 Speaker: <b>Neil Holbrook</b> (University of Tasmania) (Online) 报告题目：海洋热浪对热带西部和中部太平洋岛国的影响 Title: Impacts of Marine Heatwaves on Tropical Western and Central Pacific Island Nations and Their Communities





14:40-15:00	<p>报告人 Speaker: <b>Agus Santoso</b> (International CLIVAR Project Office)</p> <p>报告题目: 厄尔尼诺-南方涛动与气候变化</p> <p>Title: El Nino Southern Oscillation and Climate Change</p>
15:00-15:20	<p>报告人 Speaker: <b>Arnold Sullivan</b> (Commonwealth Scientific and Industrial Research Organisation)</p> <p>报告题目: 理解 ACCESS-CM2 模式中 ENSO 的短生命周期</p> <p>Title: Understanding the Short ENSO Life Cycle in ACCESS-CM2</p>
茶歇 <b>Break</b>	
15:40-16:00	<p>报告人 Speaker: <b>LIU Jingpu</b> (North Carolina State University)</p> <p>报告题目: 印度河三角洲、尼罗河三角洲和黄河三角洲岸线历史演变, 及其未来演化趋势</p> <p>Title: The Historical Shoreline Changes of the Indus, Nile, and Yellow River Deltas, and How about the Future Changes?</p>
16:00-16:20	<p>报告人 Speaker: <b>QIU Yun</b> (Third Institute of Oceanography, Ministry of Natural Resources) (Online)</p> <p>报告题目: 孟加拉湾海洋热浪: 进展和未来展望</p> <p>Title: Understanding Marine Heatwaves in the Bay of Bengal: Progresses and Future Endeavors</p>
16:20-16:40	<p>报告人 Speaker: <b>LIU Qingxiang</b> (OUC)</p> <p>报告题目: 海浪模式 WAVEWATCH III 的开发和应用</p> <p>Title: Spectral Wave Modelling with WAVEWATCH III: Model Developments and Applications</p>
16:40-17:00	<p>报告人 Speaker: <b>WANG Chuanyang</b> (OUC)</p> <p>报告题目: 东亚中纬度中晚夏降水在全球变暖下的增强机制</p> <p>Title: Enhanced Mid-to-late Summer Precipitation Over Mid-latitude East Asia Under Global Warming</p>





10月24日 星期四 October 24<sup>th</sup> Thursday

主持人 Host: 周 杨 (中国海洋大学) **ZHOU Yang** (OUC)

庄光超 (中国海洋大学) **ZHUANG Guangchao** (OUC)

时间 Time	事项 Item
14:00-14:20	报告人 Speaker: <b>Aaron Micallef</b> (University of Malta) (Online) 报告题目: 海底地貌学新进展: 现代海底过程精细时空测量的必要性 Title: Advancing Seafloor Geomorphology: The Need for Finer-scale Spatial and Temporal Measurements of Modern Seafloor Processes
14:20-14:40	报告人 Speaker: <b>Annette Ladstaetter-Weissenmayer</b> (University of Bremen) 报告题目: 遥感技术在海洋和大气科学中的应用 Title: Remote Sensing in Marine and Atmospheric Sciences
14:40-15:00	报告人 Speaker: <b>Jiman Hong</b> (Soongsil University) 报告题目: 面向提高数据中心 BMC 性能的高效引导分析工具开发 Title: Development of Efficient Boot Profiling Tools for Enhancing BMC Performance in Data Centers
15:00-15:20	报告人 Speaker: <b>LIU Keyu</b> (China University of Petroleum, East China) 报告题目: 基于地球系统科学的盆地建模: 对深水 and 非常规油气勘探的影响 Title: Earth System Science-based Basin Modeling: Implications for Deep-water and Unconventional Oil and Gas Exploration
茶歇 <b>Break</b>	
15:40-16:00	报告人 Speaker: <b>Christof Meile</b> (University of Georgia) 报告题目: 微生物与周围环境: 反应输运模型对甲烷厌氧氧化的启示 Title: Microbes and their Surroundings: Insights from Reactive Transport Modeling into the Anaerobic Methane Oxidation
16:00-16:20	报告人 Speaker: <b>Isaac R. Santos</b> (University of Gothenburg) 报告题目: 甲烷释放抵消近岸碳封存 Title: Methane Emission Offsets to Coastal Carbon Sequestration
16:20-16:40	报告人 Speaker: <b>DENG Longhui</b> (Shanghai Jiao Tong University) 报告题目: 南海水合物区冷泉生物群落的快速兴起与演替 Title: Rapid Emergence and Succession of Cold Seep Biota at the Hydrate-bearing Seafloor
16:40-17:00	报告人 Speaker: <b>ZHOU Kuanbo</b> (Xiamen University) 报告题目: 南海碳输出的 20 年集成 Title: A 20-year Synthesis on the Carbon Export in South China Sea







## 分论坛 2：水产资源开发与保护分会场

Aquatic Resources Development and Conservation Forum

会场：青岛颐海花园酒店五四广场店 颐海厅

Venue: Yihai Hall, the May Fourth Square Branch of Qingdao Yihai Garden Hotel

Zoom Links:

<https://us06web.zoom.us/j/4179413943?pwd=r519SCoEsffm88OSWK6n5IW6kCn6a3.1&omn=84445997064>

Zoom Meeting ID: 417 941 3943 Zoom Password: 202410

10月23日 星期三 October 23<sup>rd</sup> Wednesday

主持人 Host: 陈慕雁 (中国海洋大学) <b>CHEN Muyan (OUC)</b>	
时间 Time	事项 Item
13:30-14:00	报告人 Speaker: <b>JIAO Yan</b> (Virginia Polytechnic Institute and State University) 报告题目: 利用非平稳种群评估模型揭示关键生态系统指标 Title: Leveraging Nonstationary Stock Assessment Models to Uncover Key Ecosystem Indicators.
14:00-14:30	报告人 Speaker: <b>CAO Jie</b> (North Carolina State University) 报告题目: 时空建模在渔业管理中的最新发展和应用 Title: Recent Developments and Applications of Spatiotemporal Modelling for Fisheries Management
14:30-15:00	报告人 Speaker: <b>Juan Diego Gaitan Espitia</b> (The University of Hong Kong) 报告题目: 结合环境变动性解析不断变化的海洋生态和进化反应 Title: Incorporating Environmental Variability to Understand Ecological and Evolutionary Responses in Changing Oceans
茶歇 <b>Break</b>	
15:15-15:45	报告人 Speaker: <b>Sylvia Brugman</b> (Wageningen University) (Online) 报告题目: 组学和影像学组合方法揭示丁酸盐诱导斑马鱼肠道炎症的作用。 Title: Omics and Imaging Combinatorial Sproach Reveals Butyrate-induced Inflammatory Effects in the Zebrafish Gut
15:45-16:15	报告人 Speaker: <b>LI Jun</b> (Lake Superior State University) (Online) 报告题目: 吞噬 B 细胞及其参与鱼类抗菌免疫的新见解 Title: New Insights of Phagocytic B Cells and Its Involvement in Fish Antimicrobial Immunity
16:15-16:45	报告人 Speaker: <b>LIU Yajie</b> (Arctic University of Norway) 报告题目: 评估水产养殖绩效和生产风险: 挪威鲑鱼水产养殖案例 Title: Evaluating Aquaculture Performance and Production Risks: Case of Norwegian Salmon Aquaculture



10月24日 星期四 October 24<sup>th</sup> Thursday

主持人 Host: 侯志帅 (中国海洋大学) <b>HOU Zhishuai (OUC)</b>	
时间 Time	事项 Item
13:30-14:00	报告人 Speaker: <b>TAO Yaxiong</b> (Online) 报告题目: 脊椎动物神经黑皮质素受体 Title: Vertebrate Neural Melanocortin Receptors
14:00-14:30	报告人 Speaker: <b>DU Shaojun</b> (Maryland University) 报告题目: HSF1 在热应激条件下对鱼类生存所起到的重要作用 Title: HSF1 Is Essential for Fish Survival Under Thermal Stress
14:30-15:00	报告人 Speaker: <b>XIE Shouqi</b> (Institute of Hydro Biology, Chinese Academy of Sciences) 报告题目: 可持续水产养殖中的非传统饲料原料 Title: Non-conventional Ingredients for Sustainable Aquaculture
茶歇 <b>Break</b>	
15:15-15:45	报告人 Speaker: <b>JIN Xianshi</b> (Yellow Sea Fisheries Research Institute, Chinese Academy of Sciences) 报告题目: 中国海洋渔业现状与前景及全球变化 Title: The Status and Prospect of Marine Fisheries and Under Global Change In China
15:45-16:15	报告人 Speaker: <b>XU Peng</b> (Xiamen University) 报告题目: 大黄鱼复杂性状的基因组选择育种探索与实践 Title: Applications of Genomic Selection for Complex Economic Traits in Large Yellow Croaker
16:15-16:45	报告人 Speaker: <b>GUI Fukun</b> (Zhejiang Ocean University) 报告题目: 深远海潜降式网箱 Hexfly 的研发 Title: Research and Development of the Deeper-offshore Submersible Aquaculture Cage Hexfly





### 分论坛 3：环境污染控制与生态保护分会场

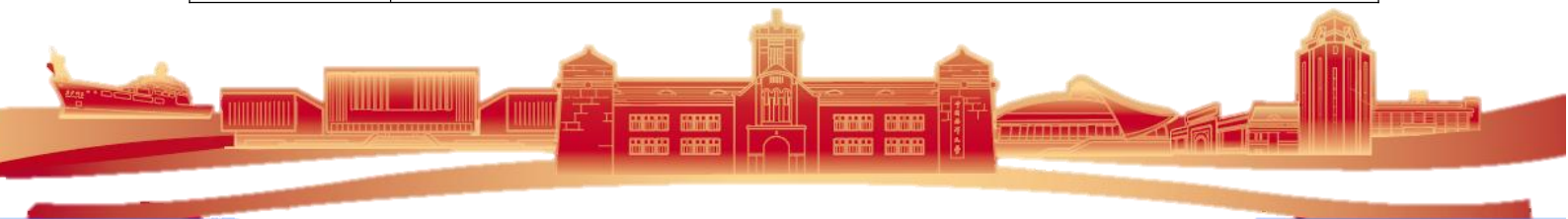
Environmental Pollution Control and Ecological Protection Forum

会场：青岛海天大酒店第六会议室

Venue: 6th Meeting Room, Haitian Hotel Qingdao

10月23日 星期三 October 23<sup>rd</sup> Wednesday

<p>主持人 Host: <b>于仁成</b> (中国科学院海洋研究所) <b>YU Rencheng</b> (Institute of Oceanology, Chinese Academy of Sciences)</p>	
14:00-14:25	<p>报告人 Speaker: <b>Po Teen Lim</b> 报告题目: 东南亚有害藻华的现状、挑战与未来发展 Title: Harmful Algal Blooms in Southeast Asia: Current Status, Challenges, and Future Perspectives</p>
14:25-14:50	<p>报告人 Speaker: <b>Christine J. Band Schmidt</b> 报告题目: 墨西哥太平洋沿岸的有害藻类及其影响 Title: Harmful Algae and Their Impacts in the Mexican Pacific Coast</p>
<p>主持人 Host: <b>Po Teen Lim</b> (University of Malaya)</p>	
14:50-15:15	<p>报告人 Speaker: <b>CHEN Nansheng</b> 报告题目: 产毒藻类中毒素合成基因的获取与进化 Title: Acquisition and Evolution of Toxin Biosynthesis Genes in Toxigenic Algae</p>
15:15-15:40	<p>报告人 Speaker: <b>TANG Yingzhong</b> 报告题目: 认识中国甲藻休眠孢囊多样性的研究进展 Title: Recent Progress in Understanding the Diversity of Dinoflagellate Resting Cysts in China</p>
15:40-16:00	<p>茶歇 <b>Break</b></p>



<p>主持人 Host: <b>顾海峰</b> (自然资源部第三海洋研究所) <b>GU Haifeng</b> (Third Institute of Oceanography, Ministry of Natural Resources, China)</p>	
16:00-16:25	<p>报告人 Speaker: <b>GUAN Wanchun</b> 报告题目: 有害藻华对气候变化的响应: 有害甲藻米氏凯伦藻的一个研究案例 Title: The Response of HABs to Climate Change, A Case Study in Harmful Dinoflagellate Species <i>Karenia mikimoto</i></p>
16:25-16:40	<p>报告人 Speaker: <b>WU Haiyan</b> 报告题目: 底栖性利马原甲藻不同地理株系的适应性响应 Title: Adaptive Responses of Geographically Distinct Strains of the Benthic Dinoflagellate, <i>Prorocentrum lima</i> (Dinophyceae)</p>
16:40-16:55	<p>报告人 Speaker: <b>CHEN Heng</b> 报告题目: 利马原甲藻合成腹泻性贝毒的驱动力 Title: The Driving Forces for Biosynthesis of Diarrhetic Shellfish Toxins in Dinoflagellate <i>Prorocentrum lima</i></p>
<p>主持人 Host: <b>陈楠生</b> (中国科学院海洋研究所) <b>CHEN Nansheng</b> (Institute of Oceanology, Chinese Academy of Sciences)</p>	
16:55-17:10	<p>报告人 Speaker: <b>LUO Zhaohe</b> 报告题目: 第三代高通量测序技术在有害微藻多样性研究中的应用 Title: Application of Third-generation High-throughput Sequencing in Studying Harmful Microalgal Diversity</p>
17:10-17:25	<p>报告人 Speaker: <b>HE Xiuping</b> 报告题目: 中国渤海和北黄海水环境中广泛检出神经毒素软骨藻酸 Title: Prevalence of the Neurotoxin Domoic Acid in the Aquatic Environments of the Bohai and Northern Yellow Seas in China</p>
17:25-17:40	<p>报告人 Speaker: <b>LI Dawei</b> 报告题目: 利马原甲藻合成大田软海绵酸的分子机制 Title: The Molecular Mechanism of Okadaic Acid (OA) Synthesis in <i>Prorocentrum lima</i></p>





中国海洋大学  
OCEAN UNIVERSITY OF CHINA



## 中国海洋大学简介

### An Overview of Ocean University of China

中国海洋大学是一所海洋和水产学科特色显著、学科门类齐全的教育部直属重点综合性大学，是国家“985工程”和“211工程”重点建设的高校，2017年入选国家“世界一流大学建设高校”（A类）。学校校训是“海纳百川，取则行远”。

Ocean University of China (OUC) is a key comprehensive university with distinctive strengths in marine science and fisheries. It is part of the country's Project 985 (China's top 39 universities) and Project 211 (China's top 100 universities). In 2017, it was included in China's plan of building world-class universities and academic programs as one of the A-category universities. Our motto is "Ocean embraces all streams; exploring promises reaching far."

学校创建于1924年，历经私立青岛大学、国立青岛大学、国立山东大学、山东大学等办学时期，于1959年发展成为山东海洋学院，1960年被中共中央确定为全国13所重点综合大学之一，1988年更名为青岛海洋大学，2002年更名为中国海洋大学。

Founded in 1924, the university has undergone various periods of development under different names, including Private Qingdao University, National Qingdao University, National Shandong University, and Shandong University. In 1959, it became Shandong Oceanographic College, and in 1960, it was designated as one of the 13 key comprehensive universities in China. It was renamed Qingdao Ocean University in 1988 and Ocean University of China in 2002.

学校有4个校区，其中，崂山校区、鱼山校区和浮山校区共占地2400余亩；西海岸校区规划占地约2800亩，2022年9月一期建成启用。设有1个学部、20个学院和1个基础教学中心。现有在校生35400余人，其中本科生17200余人、硕士研究生14500余人、博士研究生3400余人、外国留学生330余人。教职工4114人，其中专任教师2175人，博士生导师715人，正高级专业技术人员818人、副高级专业技术人员1073人，中国科学院院士6人、中国工程院院士9人。

We have four campuses. Laoshan, Yushan, and Fushan campuses cover a total of 160 hectares. The West Coast Campus is planned to cover around 187 hectares. In September 2022, its first phase of construction was completed and put into use. We have 1 faculty, 20 colleges/schools, and a Teaching Center of Fundamental Courses. Currently, there are over 35,400 students enrolled, including more than 17,200 undergraduate students, over 14,500



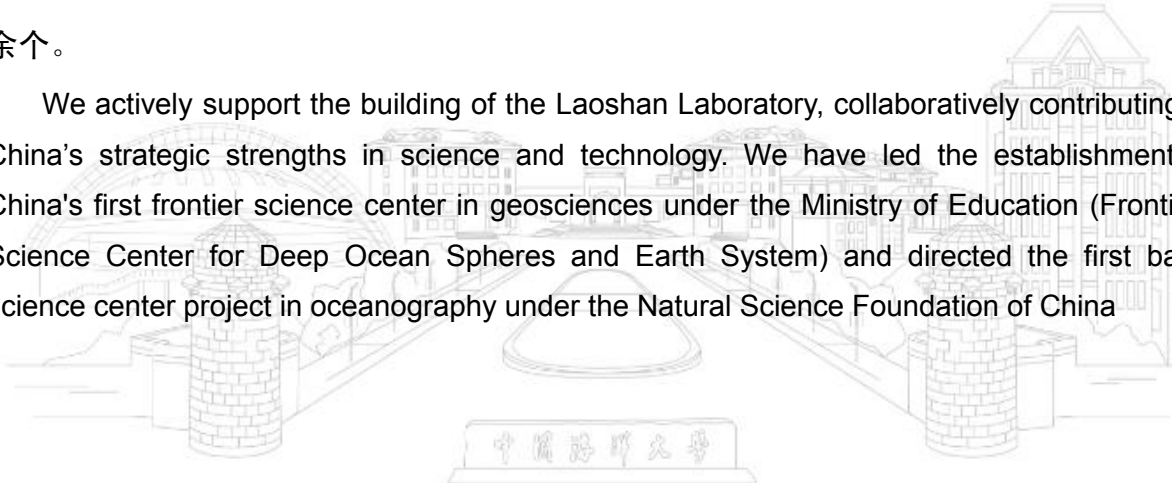
master's students, over 3,400 doctoral students, and over 330 international students. Among our 4,114 faculty and staff members, 2,175 are full-time teachers, 715 are doctoral supervisors, 818 hold senior professional titles, and 1,073 hold associate senior professional titles. We have 6 academicians of the Chinese Academy of Sciences and 9 academicians of the Chinese Academy of Engineering.

学校以培养德智体美劳全面发展、具有民族精神和社会责任感、具有国际视野和合作竞争意识、具有科学精神和人文素养、具有创新意识和实践能力的高素质创新型人才为目标，以造就国家海洋事业的领军人才和骨干力量为特殊使命。学校遵循“通识为体，专业为用”的本科教育理念，实行有限条件的自主选课制度和学业识别与毕业专业识别确认制度，努力培养复合型、高素质人才。毕业生中已有 16 人当选中国科学院或中国工程院院士，4 人先后担任国家海洋局局长，参加中国第一次南极考察的 75 位科学家中一半以上是学校毕业生。

Our aim is to educate students into qualified professionals with a good sense of social responsibility, international vision, team spirit, knowledge in both science and humanities, innovative minds, and practical skills. We see it as our mission to cultivate leading talent for China's marine-related fields. Dedicated to nurturing versatile and high-quality talent, we implement a system of independent course selection and a recognition system for undergraduate majors. 16 of our alumni have become academicians of the Chinese Academy of Sciences or the Chinese Academy of Engineering, and 4 have served as directors of the State Oceanic Administration. More than half of the first 75 scientists on China's first Antarctic expedition are our proud graduates.

学校积极支持崂山实验室建设，协同打造国家战略科技力量。主持建设我国地球科学领域首个教育部前沿科学中心（深海圈层与地球系统前沿科学中心），主持海洋领域首个国家自然科学基金委基础科学中心项目（多场多体多尺度耦合及其对海工装备性能与安全的影响机制）。建有全国重点实验室、国家工程技术研究中心、国家地方联合工程研究中心、教育部重点实验室、农业部重点实验室等省部级以上各类科研基地平台 40 余个。

We actively support the building of the Laoshan Laboratory, collaboratively contributing to China's strategic strengths in science and technology. We have led the establishment of China's first frontier science center in geosciences under the Ministry of Education (Frontiers Science Center for Deep Ocean Spheres and Earth System) and directed the first basic science center project in oceanography under the Natural Science Foundation of China





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(Coupled Multi-field, Multi-body, Multi-scale Interactions and Impact Mechanisms on the Performance and Safety of Offshore Engineering Equipment). We have established over 40 national and provincial research centers and platforms, including national key laboratories, national engineering and technology research centers, national-local joint engineering research centers, and key laboratories of the Ministry of Education and Ministry of Agriculture.

拥有科学考察实习船舶 3 艘，包括 5000 吨级新型深远海综合科考实习船“东方红 3”、3000 吨级海洋综合科学考察实习船“东方红 2”、300 吨级的“天使 1”科考交通补给船，形成了自近岸、近海至深远海并辐射到极地的海上综合流动实验室系统，具备了一流的海上现场观测能力。

We are proud of our three research vessels, including Dong Fang Hong 3, a new-type 5,000 DWT deep-sea research vessel, Dong Fang Hong 2, a 3,000 DWT research vessel, and Tian Shi 1, a 300 DWT near-shore research vessel. They have formed a mobile marine laboratory system that covers the near-shore, offshore, the deep and high seas, and the polar regions, with top-tier observation capacity.

作为第一完成单位，获国家技术发明一等奖 1 项、二等奖 3 项，自然科学二等奖 2 项，科技进步二等奖 12 项。“十三五”以来，主持国家级各类项目 2500 余项，获省部级科技奖励 118 项，在国内外高水平期刊发表论文 34000 余篇，申请发明专利 5000 余项，授权发明专利 3040 余项，其中授权国际发明专利 45 项。

As the primary contributing institution, we have received 1 first prize and 3 second prizes of the National Technology Invention Award, 2 second prizes of the National Award for Natural Sciences, and 12 second prizes of the National Award for Science and Technology Progress. Since the beginning of the 13th five-year plan period, we have led more than 2,500 national projects and received 118 provincial and ministerial scientific and technological awards. Our researchers have published over 34,000 papers in high-level domestic and international journals. They have filed for more than 5,000 invention patents, with over 3,040 granted, including 45 international invention patents.

学校的发展目标是：到 2030 年，建成世界一流的综合性海洋大学；到本世纪中叶，建成特色显著的世界一流大学。

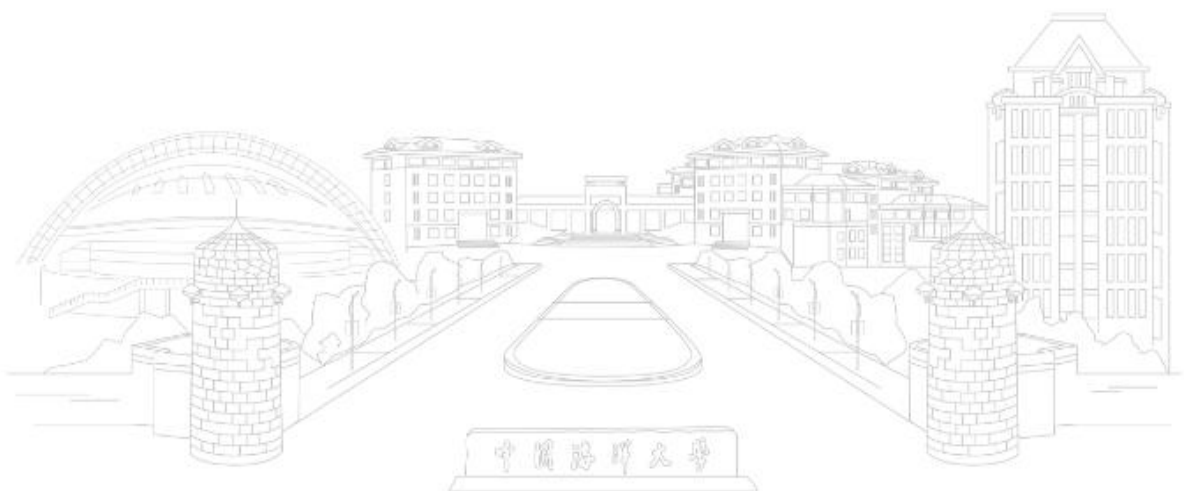
OUC aims at becoming a top comprehensive research university with a strong emphasis on ocean sciences by 2030, and a world-class university with distinctive characteristics by the middle of this century.





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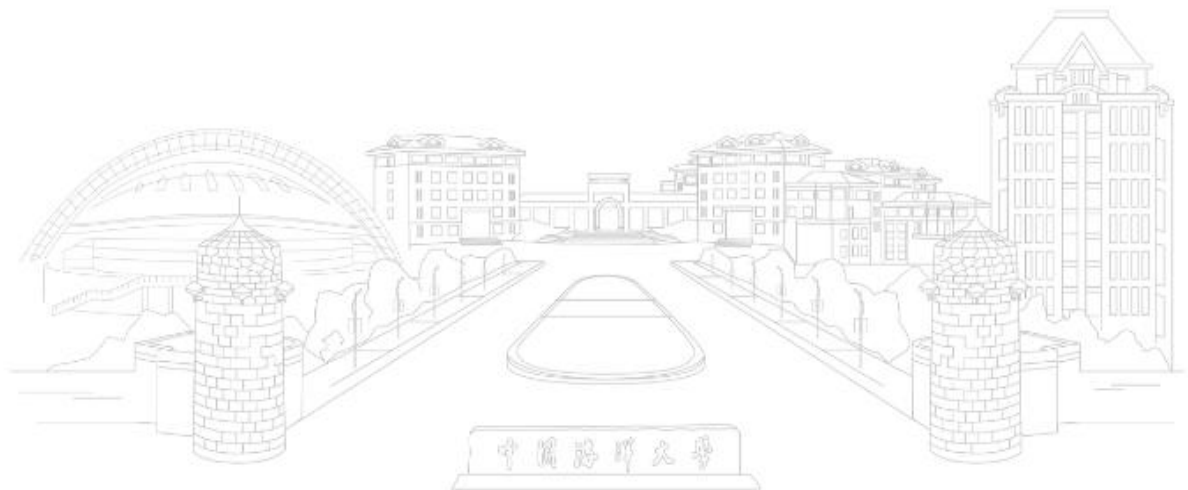
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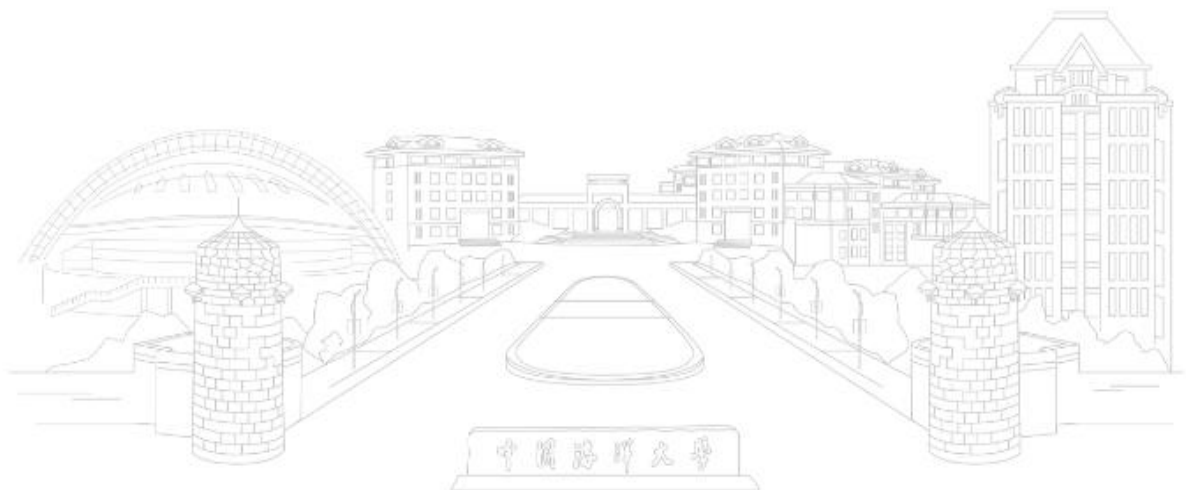
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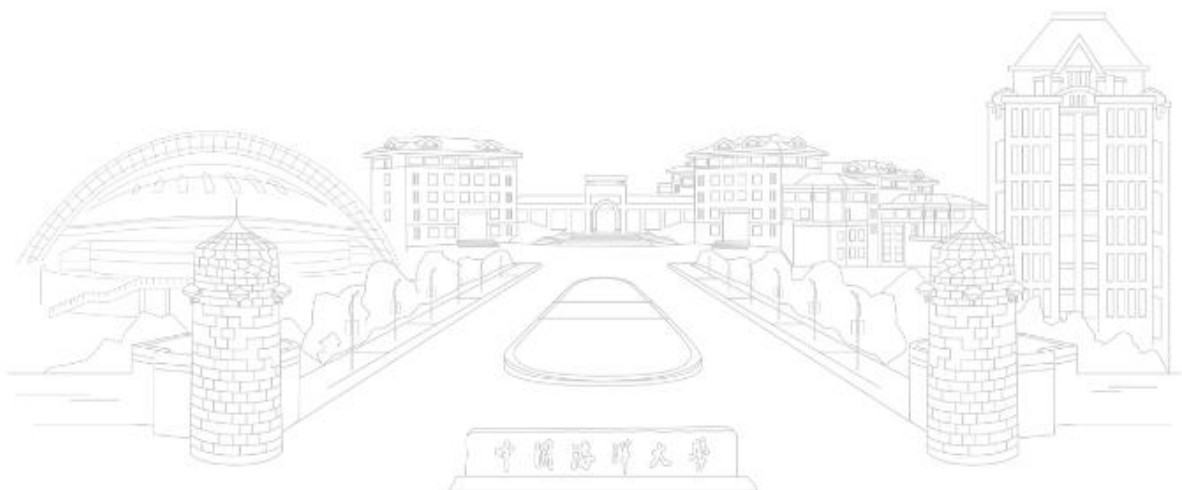
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