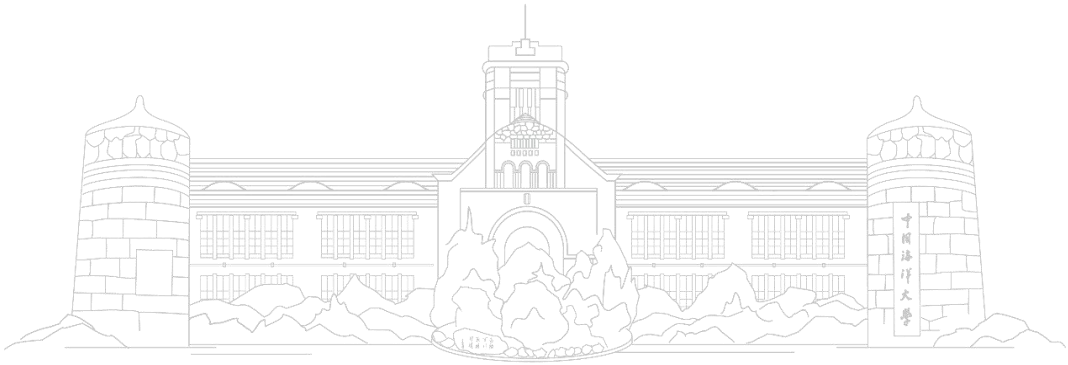
2026 未来海洋国际产学研用合作会议

(青岛)

2026 Future Ocean International Conference on the Cooperation and Integration of Industry, Education, Research and Application (Qingdao)

会议手册

Conference Brochure



中国 · 青岛

Qingdao · China

2026 年 10 月 23-24 日

October 23rd-24th, 2026

开幕式议程

Agenda of Opening Ceremony

时间：2026 年 10 月 23 日 星期五 上午 9:00

Time: 9 am, Friday, October 23rd, 2026

会场：中国海洋大学学术交流中心 三楼多功能厅

Venue: Multi-functional Hall (Third Floor), Academic Exchange Center, Ocean University of China

线上途径（腾讯会议）

Online Meeting Link：https://meeting.tencent.com/dm/W7ZDGsrCfr8A

Meeting ID：683-372-595

主持人：**陈朝晖**（中国海洋大学）

Host: **Zhaohui Chen** (Ocean University of China)

Time	Item
09:00-09:30	1. 观看宣传片《蓝色华章》 Promotion Video *For Ocean* 2. 致辞 Speech 3. 合影 Group Photo
09:30-10:10	主旨报告 Plenary Speech 1 Speaker: **Xiaojun Yuan** (Columbia University) Title: Multidecadal Changes in the Tropics Drive Predictability of Antarctic Sea Ice
Break	
10:30-11:10	主旨报告 Plenary Speech 2 Speaker: **Alyssa Marshell** (University of Tasmania) Title: Harnessing AI and Machine Learning to Support Sustainable Wild Fisheries in Tasmania, Australia
11:10-11:50	主旨报告 Plenary Speech 3 Speaker: **Hans Burchard** (Leibniz Institute for Baltic Sea Research Warnemünde) Title: Estuarine Mixing

分会场 1：物理海洋与海洋信息技术

Physical Oceanography and Marine Information Technology Forum

主题：极地海洋与全球变化

Theme: Polar Ocean and Global Change

October 23rd Friday Afternoon

专题报告：海洋冰冻圈的观测与模拟 **Session: Observation and Modelling of Marine Cryosphere** Venue: Academic Hall 2（学术报告厅 2） Host： **Jie Su 苏 洁** (Ocean University of China) **Mingfeng Wang 王明锋** (Ocean University of China)	
Time	**Item**
13:00-13:15	Speaker: **Xiangshan Tian-Kunze** (Alfred Wegener Institute) Title: Long-term observations of sea ice thickness from SMOS and CryoSat-2 in the Arctic and Antarctic
13:15-13:30	Speaker: **Iuliia Radchenko** (Nansen International Environmental and Remote Sensing Centre) Title: Robust model selection for Arctic sea ice: Reducing uncertainty in CMIP6 projections
13:30-13:45	Speaker: **Paul Spence** (University of Tasmania) Title: Interannual variability of ocean heat content in the eastern Amundsen Sea controlled by wind

13:45-14:00	Speaker: **Bin Cheng** (Finnish Meteorological Institute) Title: Snow and ice thermodynamics in the changing climate: Modelling and observation
14:00-14:15	Speaker: **Zhaoru Zhang** (Shanghai Jiao Tong University) Title: Impacts of Ocean–Ice shelf Interactions on Dense Shelf Water Formation in the Ross Sea
14:15-14:30	Speaker: **Shiming Xu** (Tsinghua University) Title: Improving physical modelling of CryoSat-2 radar waveforms over sea ice using meter-scale topography
14:30-14:45	Speaker: **Yibin Ren** (Institute of Oceanology, Chinese Academy of Sciences) Title: Optimizing the spring predictability barrier in Arctic sea-ice prediction using artificial intelligence
14:45-15:00	Speaker: **Lijuan Lu** (Guangzhou Institute of Geochemistry, Chinese Academy of Sciences) Title: Southern Ocean response to intensified Southern Hemisphere westerlies during the Last Interglacial
Break	
15:15-15:30	Speaker: **Gunnar Spreen** (University of Bremen) Title: Variability and changes in Antarctic snow depth from satellite microwave radiometer observations 2002–2025 (Online)
15:30-15:45	Speaker: **Xi Zhao** (Sun Yat-sen University) Title: Unexpected return of late-summer sea ice in the Pacific Arctic
15:45-16:00	Speaker: **Mingkun Liu** (Ocean University of China) Title: Microwave sea surface temperature retrieval in the Arctic marginal ice zone based on a hybrid physical-deep learning model

专题报告：极地海洋生物地球化学循环及其生态环境效应机制

Session: Polar Marine Biogeochemical Cycles and Their Ecological and Environmental Effects

Venue: Academic Hall 2 （学术报告厅 2）

Host： **Xiaotong Xiao 肖晓彤** (Ocean University of China)

Yantao Liang 梁彦韬 (Ocean University of China)

16:00-16:15	Speaker: **Seungll Nam** (Korea Polar Research Institute) Title: Into the Blue (i2B): Insights from past climates analogous to today's Arctic warming— Preliminary results of the 2026 *R/V* Kronprins Haakon Arctic Expedition
16:15-16:30	Speaker: **Ding He** (The Hong Kong University of Science and Technology) Title: Molecular fingerprints of oceanic refractory organic carbon: Polarity, isomerism, and terrestrial sources
16:30-16:45	Speaker: **Wee Cheah** (University of Malaya) Title: Photophysiological and optical signatures of phytoplankton across Southern Ocean fronts
16:45-17:00	Speaker: **Kazuhiro Yoshida** (Saga University) Title: Freezing and melting stress on the photophysiology of ice algae: *ex situ* incubation of ice algae using an ice tank
17:00-17:15	Speaker: **Meiaoxue Han** (First Institute of Oceanography, MNR) Title: Light reshapes DNA virus-host interactions in Antarctic sea ice

October 24th Saturday Morning

专题报告：极地海洋动力过程及其气候效应

Session: Polar Ocean Dynamic Processes and Their Climate Effects

Venue: Beijing Hall（北京厅）

Host： **Wenli Zhong 钟文理** (Ocean University of China)

Qiuxian Li 李秋娴 (Ocean University of China)

Time	Item
08:30-08:45	Speaker: **Camille Hankel** (University of Washington) Title: Arctic sea ice meltwater as a forcing and feedback on the Atlantic Meridional Overturning Circulation (Online)
08:45-09:00	Speaker: **Yushan Qu** (University of New South Wales) Title: Future responses of mesoscale eddy activity in subantarctic mode water formation regions (Online)
09:00-09:15	Speaker: **Igor Bashmachnikov** (St. Petersburg State University) Title: Mesoscale and submesoscale eddies in the marginal ice zone of Arctic seas
09:15-09:30	Speaker: **Qi Shu** (First Institute of Oceanography, MNR) Title: Dynamical downscaling simulations and future projections of the Arctic Ocean
09:30-09:45	Speaker: **Dapeng Li** (Ocean University of China) Title: High-latitude Southern Ocean warming hotspot induced by ocean mesoscale eddies
09:45-10:00	Speaker: **Wandi Jing** (Ocean University of China) Title: Upper ocean salinity variability and impact in the Southeast Indian Subantarctic Mode Water formation region during the Argo era
Break	

专题报告：极地-热带相互作用 **Session: Polar-Tropical Interactions** Venue: Beijing Hall（北京厅） Host： **Fei Huang 黄 菲** (Ocean University of China) **Jian Shi 石 剑** (Ocean University of China)	
10:15-10:30	Speaker: **Yunhe Wang** (Institute of Oceanology, Chinese Academy of Sciences) **Qinghua Ding** (UC Santa Barbara) Title: Multiyear tropical warm pool warming drives slowdown in Antarctic mass loss (Online)
10:30-10:45	Speaker: **Emilia Kyung Jin** (Korea Polar Research Institute) Title: Climate forcing and Antarctic cryospheric response: From shifting drivers to future glacier instability
10:45-11:00	Speaker: **Xichen Li** (Peking University) Title: Interaction between Southern Ocean and lower latitudes
11:00-11:15	Speaker: **Dasom Lee** (Korea Polar Research Institute) Title: Strengthened causal influence of Antarctic sea ice on East Asian summer precipitation following the mid-2010s sea-ice regime shift
11:15-11:30	Speaker: **Xiaoming Hu** (Sun Yat-sen University) Title: Geographic origins of asymmetric polar amplification
11:30-11:45	Speaker: **Qiuxian Li** (Ocean University of China) Title: Revisiting the role of ocean circulation changes in polar ocean heat transport anomalies under global warming

分会场 2：水产资源开发与保护

Aquatic Resources Development and Conservation Forum

October 23rd Friday Afternoon

Fisheries Academic Forum

Venue：Multi-functional Hall（多功能厅） Host: **Zhishuai Hou 侯志帅** (Ocean University of China)	
Time	**Item**
14:00-14:30	Speaker：**Ximing Guo** (Rutgers University) Title: Oyster Genetics and Aquaculture
14:30-15:00	Speaker: **Culum Brown** (Macquarie University) Title: Overfishing Social Fish
15:00-15:30	Speaker: **Xueyan Shen** (James Cook University, Singapore Campus) Title: Optimizing Feeds for Singaporean Red Snapper Aquaculture
Break	
15:45-16:15	Speaker: **Li Li** (Ocean University of China) Title: Managing Nitrogen in Aquaculture Systems: Inorganic Nitrogen Control and Nitrous Oxide Mitigation
16:15-16:45	Speaker: **Roongparit Jongjaraunsuk** (Kasetsart University) Title: AI for Smart and Sustainable Aquaculture: Applications in Fish Growth Monitoring and Water Quality
16:45-17:15	Speaker: **Sandra Freiberger Affonso** (Federal University of ABC) Title: The Ocean Connects Us All: Science, Education and Teamwork from the Poles to the Tropics

Online Meeting Link: https://meeting.tencent.com/dm/pLMPUVlIBeBH

Meeting ID：999-937-064

October 23rd Friday Afternoon

Fisheries Industry Forum

Venue: Sunshine Hall （阳光大厅） Host: **Min Wan 万 敏** (Ocean University of China)	
Time	**Item**
13:30-13:35	Speech: **Al Qinghui** (Dean, College of Fisheries, OUC)
13:35-14:00	Award Appointment Certificate for Adjunct Postgraduate Supervisor
14:00-15:30	Industry Expert Reports
Break	
Industry Salon Host：**Liuyi Huang 黄六一** (Ocean University of China)	
15:45-17:00	Exchange and Discussion

Online Meeting Link: https://meeting.tencent.com/dm/TuQI7M3jegjO

Meeting ID：913-421-564

October 24th Saturday Morning

Fisheries Academic Forum

Venue: Sunshine Hall （阳光大厅） Host: **Chunlong Liu 刘春龙** (Ocean University of China)	
Time	**Item**
9:00-9:30	Speaker: **Ivan Jarić** (Université Paris-Saclay) Title:Harnessing Online Digital Data for Research and Management of Fisheries and Aquatic Resources
9:30-10:00	Speaker: **Chunwei Bi** (Ocean University of China) Title: Theory and Technology for Safety Design of Deeper-offshore Aquaculture Facilities
10:00-10:30	Speaker: **Aaron Irving** (Seafood New Zealand) Title: Fishing in the Deep: New Zealand Deepwater Fisheries
Break	
10:45-11:15	Speaker: **Hogeun Jang** (Pukyong National University) Title: Integrating Remote Sensing and Climate Thresholds into Seaweed Aquaculture Governance
11:15-11:45	Speaker: **Lianhui Wu** (Tokyo University of Marine Science and Technology) Title: From Coastal Uplift to Fishing Port Recovery: Remote Sensing and Field Observations after the 2024 Noto Peninsula Earthquake

Online Meeting Link: https://meeting.tencent.com/dm/sVlFc60DWJaZ

Meeting ID：376-548-832

October 24th Saturday Morning

Fisheries Postgraduate Forum

Venue: Academic Hall 1 （学术报告厅 1） Host: **Huiru Li 李惠茹** (Ocean University of China)	
Time	**Item**
8:30-8:45	Speaker: **Lang Guo** (Ocean University of China) Title: Exploring Key Developmental Processes and Transcriptional Regulatory Mechanisms of Sex Determination and Differentiation in the Pacific Oyster (*Crassostrea gigas*)
8:45-9:00	Speaker: **Xinlin Yang** (Ocean University of China) Title: Insights into Pregnancy Maintenance in the Viviparous Teleost *Sebastes schlegelii*
9:00-9:15	Speaker: **Sonthaya Phuynoi** (Kasetsart University) Title: The Caudal Gland of *Sepiella inermis*: Integrated Nutritional, Antimicrobial, and Transcriptomic Evidence for a Specialized Bioactive Defense Organ
9:15-9:30	Speaker: **Hao Xu** (Ocean University of China) Title: Cathelicidin Antimicrobial Peptides Contribute to Host Defense of Juvenile Rainbow Trout (*Oncorhynchus mykiss*) against *Vibrio anguillarum*
9:30-9:45	Speaker: **Pawida Prasopsook** (Kasetsart University) Title: The Octopus Bank as a Model for Marine Resource Conservation: Hatchery Production, Release into the Wild, and Monitoring Using Genetic Markers
9:45-10:00	Speaker: **Xingchen Jiang** (Ocean University of China) Title: MARCH8 Restricts Hirame Novirhabdovirus Through NDP52-Associated Autophagic Turnover of the Nucleoprotein
Break	

10:15-10:30	Speaker: **Yaobing Li** (Ocean University of China) Title: Mechanisms of Intestinal Sensing-induced Cell Death in *Litopenaeus vannamei* under Ammonia-N Stress
10:30-10:45	Speaker: **Ning Zhang** (Ocean University of China) Title: Metabolomic Profiling Reveals That the Heterogeneity of Microhabitats Can Assist Intertidal Snails in Surviving Extreme Temperature Events
10:45-11:00	Speaker: **Huachen Liu** (Ocean University of China) Title:Molecular and Functional Characterization of the SK/CCK-Type Neuropeptide Signaling System in *Apostichopus japonicus*
11:00-11:15	Speaker: **Yuanyuan Li** (Ocean University of China) Title: Brief Introduction of a Global Database of Useful Fishes
11:15-11:30	Speaker: **Chunmei Liu** (Ocean University of China) Title: Biochar Reshapes Sulfur Cycling in Sulfur Autotrophic Denitrification: Trade-Offs between Nitrogen Removal and Sulfide Control across Dissolved Oxygen Levels
11:30-11:45	Speaker: **Dongdong Xiao** (Ocean University of China) Title: Physiological and Molecular Adaptations to Air Exposure and Aquatic Recovery in Mudskippers
11:45-12:00	Award Certificate for Presentation

Online Meeting Link: https://meeting.tencent.com/dm/zUotQ0ZkNWGD

Meeting ID：540-207-990

分会场 3：环境污染控制与生态保护

Environmental Pollution Control and Ecological Protection Forum

October 23rd Friday Afternoon

Venue: Beijing Hall（北京厅） Host: **Tao Wang** 王 涛（Ocean University of China）	
Time	**Item**
14:00-14:20	Speaker: **Changming Dong** (Nanjing University of Information Science and Technology) Title: A Universal Curl-vorticity Relation for Wind Work on Mesoscale Ocean Eddies
14:20-14:40	Speaker: **Wensheng Jiang** (Ocean University of China) Title: Coupled Modeling of Storm Surge Inundation and Urban Drainage Networks with Applications
14:40-15:00	Speaker: **Hui Wu** (East China Normal University) Title: Numerical skewness in ocean models
15:00-15:20	Speaker: **Zhaoyun Chen** (Shantou University) Title: Dynamical Interactions between Upwelling and River Plume off Eastern Guangdong Coast
Break	
15:40-16:00	Speaker: **Peng Zhan** (Southern University of Science and Technology) Title: Submesoscale Vertical Heat Flux Amplifies a Cross-Scale Positive Feedback
16:00-16:20	Speaker: **Jian Shi** (Ocean University of China) Title: Impacts of the Northeast Pacific warm Blob on ENSO: Physical mechanisms and decadal Variability
16:20-16:40	Speaker: **Zikuan Lin** (Ocean University of China) Title: Latent Space-Based Data Assimilation and Parameter Estimation in Earth System Models