The 4th Annual Conference of Marine System Science

Fourth Announcement

I. Background

To strengthen innovation in marine science and technology, promote international cooperation and academic exchange across disciplines, institutions, and sectors in marine research, and advance the development of marine science, the 4th Annual Conference of Marine System Science will be held on **October 24–27, 2026** at the **Zhuhai Campus of Sun Yat-sen University**. The conference is co-hosted by Sun Yat-sen University and the Southern Marine Science and Engineering Guangdong Laboratory (Zhuhai), and organized by the **School of Marine Sciences, Sun Yat-sen University**. Scholars and experts from universities and research institutions around the world, along with student representatives and industry professionals, will gather in Zhuhai to engage in in-depth discussions and intellectual exchanges on cutting-edge scientific questions in marine system science.

Conference Theme: Marine Science & Technology and New Marine Quality Productivity. We sincerely welcome professionals and organizations engaged in marine science and related fields from both domestic and international

communities to explore innovative research pathways and jointly chart the future of the discipline!

II. Advisory Committee

Chair: Chen Dake, Zheng Yue

Members: Wang Fuming, Yu Weidong, Wang Dongxiao, Wang Jun, Cheng Qiuming, Liu Mei, Li Zhenglin, Zhang Peizhen, Gao Rui, Dong Wenjie, Dai Yongjiu

---

III. Scientific Committee

Members: Yu Xiaolong, Wang Dongxiao, Wei Jun, Liu Fengjie, Sun Xiaole, Su Ming, Qiu Chunhua, Song Guiting, Zhang Guoliang, Fan Shuangshuang, Luo Yiming, Jia Kuntong, Cai Zhonghua, Tan Yujun, Pan Aijun

---

IV. Organizing Committee

Chair: Su Ming, Luo Yiming, Li Dengfeng, Yang Ying, Zhang Guoliang, Li Mingting

Members: All working group members

V. Symposium Themes and Sessions

Theme 1: Ocean Dynamic Processes and Environmental Effects

Session 1: Indo-Pacific Air-Sea Interaction Processes and Global Climate Effects (Conveners: Wang Dongxiao, Wei Jun, Pan Aijun)

Session 2: Oceanic Mesoscale and Submesoscale Processes (Conveners: Yu Xiaolong, Liu Chuanyu, Dong Jihai, Zhan Peng)

Session 3: Ocean Circulation Variability and Its Impacts on Marginal Seas (Conveners: Nan Feng, Zu Tingting, Li Mingting)

Session 4: Impacts of Human Activities and Natural Variations on Coastal Ecological Environments (Conveners: Wu Meilin, Zhao Hui, Bai Peng, Wu Junwen)

Theme 2: Marine Geological Processes and Resources & Environment

Session 5: Deep Structure and Material Cycling of Oceans/Ocean Basins (Conveners: Zhang Guoliang, Huang Qiangtai, Zhang Tao, Sun Zhen, Pang Chongjin, Li Xiaohui)

Session 6: Deep-Water Sedimentation and Resource Effects (Conveners: Su Ming, Xie Xinong, Xu Jingping, Yao Zhengquan, Deng Yinan)

Session 7: Marine Material Transport Processes and Sedimentary Characteristics (Conveners: Tian Zhuangcai, Li Wei, Jian Xing)

Theme 3: Modern Marine Ranching and Aquaculture Systems

Session 8: Pest Prevention and Control Technologies for Marine Ranching (Conveners: Jia Kuntong, Li Chaozheng)

Session 9: Engineering, Equipment, and Precision Measurement and Control Technologies for Intelligent Marine Ranching in Deep and Distant Seas (Conveners: Jia Kuntong, Zhou Yangen)

Theme 4: Carbon Cycling in the Ocean System

Session 10: Biological Carbon Fixation, Carbonate Pump, and Ocean Acidification (Conveners: Luo Yiming, Liu Fengjie, Qi Di)

Session 11: Carbon Cycling Processes in the Deep Sea and at the Sediment-Water Interface (Conveners: Sun Xiaole, Luo Yiming)

Theme 5: Marine Atmospheric Chemistry and Trace Elements

Session 12: Marine Atmospheric Chemistry and Its Environmental and Climatic Effects (Conveners: Tham Yee Jun, Ye Guanqiong)

Session 13: Marine Trace Element Chemistry and Its Ecological Effects (Conveners: Tan Qiaoguo, Liu Fengjie, Zhang Qiong, Wang Wenhao)

Theme 6: Marine Technology Systems and Artificial Intelligence

Session 14: Marine Intelligent Observation Technologies (Conveners: Dong Chao, Fan Shuangshuang)

Session 15: Air-Sea Intelligent Models and Numerical Models (Conveners: Dong Changming, Zhu Xueming, Lu Wenfang)

Session 16: Marine Disaster Prevention and Mitigation and Marine New Energy (Conveners: Song Guiting, Hu Po)

Future Earth Young Scientists Forum (Convener: Yang Hu, Dong Wenjie)

High-Level Symposium on the Development of High-Quality Marine System Science Journals (Conveners: Hu Zhenzhong, Su Ming, Zhang Guoliang)

VI. Organization

1. Organizers

Sun Yat-sen University

Southern Marine Science and Engineering Guangdong Laboratory (Zhuhai)

2. Host

School of Marine Sciences, Sun Yat-sen University

3. Co-organizers

Marine Discipline Group, Sun Yat-sen University

Professional Committee for Marine Scientific Investigation, China Association for Scientific Expedition

State Key Laboratory of Environmental Adaptability for Industrial Products

Zhuhai Society for Marine Science and Technology Development

Future Earth Global Secretariat Hub （China）

Chinese National Committee for Future Earth

VII. Symposium Schedule

1. Conference Dates:

October 24: Registration

October 25: Plenary sessions & Parallel session presentations

October 26: Parallel session presentations

October 27: Departure

2. Venue: Haiqin Building 4, Zhuhai Campus, Sun Yat-sen University, Zhuhai City, Guangdong Province, China

3. Language: Chinese / English

4. Presentation Formats: Invited talks, oral presentations, and poster

For invited and oral presentations, the recommended slide aspect ratio is 16:9, and the software used will be Microsoft Office 2021. Please copy your presentation to the session computer at least 30 minutes before your talk begins.

Poster boards (size: 0.8 m × 1.8 m) and tape will be provided. Presenters should print their posters in advance and bring them to the venue for mounting.

5. Plenary Session Agenda

Time	**October 25th, 09:00-17:40**		
Venue	**Haiqin Building 4, D209 Auditorium**		
Speaker	**Title**	**Institution**	**Report**
Chen Dake	Academician	Southern Marine Science and Engineering Guangdong Laboratory (Zhuhai)/Sun	智能时代的海洋研究新范式

		Yat-sen University	
Jiao Nianzhi	Academician	Xiamen University	TBD
Nalin Prasanna Ratnayake	Senior Professor/Vice Chancellor	Ocean University of Sri Lanka	Monsoon-Driven Nearshore Sediment Dynamics in Sri Lanka: Interactions Between Waves Currents and the Shoreline
Gan Jianping	Professor	The Hong Kong University of Science and Technology	吕宋潜流的强化混合及非线性次级不稳定
Wang Chunzai	Research Professor	South China Sea Institute of Oceanology, Chinese Academy of Sciences	Marine Heatwaves Reshape Global Tropical Cyclone Intensity
Hu Shijian	Professor	Hohai University	热带印太跨洋盆输运：盐度调控、临界行为与气候效应
Sun Weidong	Research Professor	Laoshan Laboratory	俯冲带物质循环
Bao Rui	Professor	Ocean University of China	西太平洋有机碳源汇过程与调控机制
Cao Zhimian	Professor	Xiamen University	大洋底层水铜清除揭示底栖胶体泵重塑海洋痕量元素循环
Wang Wenxiong	Professor	City University of Hong Kong	Redox Cycling of Trace Metals in Phytoplankton: Implications for Biogeochemistry and Toxicity

6. Parallel Sessions Agenda

Details for parallel sessions and poster presentations can be found on the conference website:

https://marine.sysu.edu.cn/acomss/cn/cnarrangements/index.htm

---

VIII. Registration

All participants are requested to complete the registration form by scanning the QR code or clicking the link before **October 18, 2026**, to help the organizing committee update meeting information.

QR Code (for registration):

Link: https://wj.sysu.edu.cn/q/YHKNvbXg

IX. Registration Fees

The registration fee is **1,200 CNY** for regular participants and **800 CNY** for students. The fee covers meals; transportation and accommodation are at participants' own expense. Please read the payment instructions carefully, then scan the QR code or click the link below to pay. On-site payment is also available at the registration desk. **Please be sure to include your name and affiliation in the payment remarks, and carefully verify your invoicing information.** No refunds or invoice modifications will be accepted after 30 days from the conclusion of the symposium.

Participants from the organizing institutions (Sun Yat-sen University and Southern Marine Science and Engineering Guangdong Laboratory (Zhuhai)) are exempt from the registration fee and should not make the payment.

Payment QR Code:

Payment Link:

https://pay.sysu.edu.cn/app/#/qrcode-pay?range=11975&project=1201&sc=mobile

---

X. Product Exhibition

We welcome relevant companies and organizations to display products and services related to marine observation via posters or small physical exhibits. Exhibition spaces are available for a fee of **RMB 6,000 per booth** (includes 2 complimentary registrations). Space is limited; please contact the organizing committee directly for details.

XI. Accommodation and Transportation

The symposium provides meals; transportation and accommodation are at participants' own expense. Please book your hotel rooms early. Shuttle buses will be arranged between off-campus hotels and the venue during the meeting.

Hotel Name	Contact
1. Zhuhai Qingzhu Academy Hotel	Xiao Zhu: 13326666227 / 0756-366
2. Lavande Hotel (Zhuhai Qinglv North Road Tangjiawan Beach)	Manager Zhi: 13535830810 / 0756-
3. Nest Hotel (Qinglv North Road, near SYSU)	Front Desk: 0756-6919888
4. Ji Hotel (Tangjiawan Qinglv North Road Seaview)	Manager Zhou: 18902879595 / 075
5. Zhuhai Tangyi Hotel	Manager Zheng: 19925551357 / 07

Transportation Guide:

Departure	Mode	Route	Duration	Remarks

Departure	Mode	Route	Duration	Remarks
Shenzhen Airport	Taxi	Direct to Zhuhai Campus, SYSU	70 min	Higher cost but many flights
	Metro + High-speed rail	Airport → Shenzhen North (metro) → Guangzhou South (HSR) → Tangjiawan → Campus	~3 h	Multiple transfers
Zhuhai Airport	Airport shuttle	Airport → Tangyi Hotel → transfer to bus (3A/66/K1/K3)	1.5 h	RMB 40–75
	Taxi	Direct to Zhuhai Campus, SYSU	70 min	Most convenient
Guangzhou Airport	Airport shuttle	T2/T1B → Xiangzhou/Gongbei/Guantang → taxi to campus	~3 h	Direct shuttle
	Metro + Intercity rail	Airport South → Guangzhou South Station → Zhuhai North/Tangjiawan → taxi to campus	2.5 h	Multiple transfers
Macau Airport	Bus + taxi	Airport → Border Gate → Gongbei Port → taxi	80 min	Requires border crossing

---

XII. Contact Us

Academic Program: Yang Ying, +86 13427684661 / 0756-3668554

General Affairs: Chen Yaozu, +86 15811659739 / 0756-3668554

Exhibitors: Li Jun, 13726289109 / 0756-3668259

Transportation: Fan Taolin, 13823884906 / 0756-3668257

Accommodation: Tan Bojue, 17771666410 / 0756-3668776

Meals: Lin Wei, 13003923114 / 0756-3668259

Email: chenyz6@mail.sysu.edu.cn

Please stay tuned to the conference homepage

(https://marine.sysu.edu.cn/acomss/cn/index.htm) for the latest updates.