



XMAS



The Fourth Xiamen Symposium on Marine Environmental Sciences

January 6-9, 2019

Xiamen, China



Welcome

Message from chairs

Today marks the fourth time many of us have gathered in Xiamen to share exciting discoveries and research results, and bounce new ideas off each other. While each of the previous symposia has been important in their own right, this year's is particularly special as it occurs during a crucial time in our planet's history. The tipping point is near or may even have been reached depending on one's view point. What we decide and how we act from this moment forward will be the legacy we leave behind.

Scientists have always been at the forefront of experience, of both the beautiful and the alarming. We have been fortunate enough to be the first to see many new species previously unknown to humanity rise from the ocean's depths. We have teased apart the sublime complexity of those oceanic processes which give life to the planet. We have witnessed the sheer majesty and awesomeness of Mother Nature. These are moments that we treasure.

However, we also know firsthand the devastation and destruction humanity has carried out on Earth. Climate change and its accomplices (global warming, ocean acidification, deoxygenation) are changing the ocean in ways that we barely comprehend. Overfishing is not only reducing a critical food source, but is taking out many other organisms in its wake. Improper fertilizer use is altering our coastal

ecosystems, possibly irrevocably. We have even gone so far as to pollute the seas, the very lifeblood that gave rise to and flows in each of us. These are what keep us up at night.

Yet, when we all gather together, we can do great things. With scientists, both established and just starting out, from all over the world attending XMAS-IV, there is nothing we cannot achieve. But scientists and science alone will not save the world. We need the inclusion of dedicated people in the fields of education, social science, art, policymakers, shareholders, and community leaders as well. We need to see beyond the social constructs of "traditional science", "gender", "student", and "faculty" and come together to discuss ways in which we can improve our research questions, elevate our methodologies, broadcast our findings, and perhaps most important, envision solutions to address complex problems. It is our hope that XMAS-IV be a vehicle for such discourse.

Wishing you all an inspiring symposium.



Minhan Dai & Zhiyu Liu
Co-Chairs of XMAS-IV

Jan. 1, 2019

CONTENT

Let's go green to get our globe clean	1
Welcome	2
Introduction	3
Logistics Information.....	3
Symposium Venue	3
Registration	4
Icebreaker	4
Organized Events	4
Floor Plan	5
Wi-Fi Connection Instructions	7
Contacts for Logistics	7
Meals and Coffee Breaks	8
Program	9
Presentation Guidelines	9
Program Layout	11
Program	14
Student Poster Lightning Talk List.....	41
Poster List	43
Notes	59
XMAS-IV Evaluation	64
Thank You	66

Let's go green to get our globe clean

Waste Reduction suggestions

In order to reduce our impact on the environment:

1. We ask all participants to please bring a reusable water bottle with them as refill stations will be set up throughout the conference.
2. Digital copies of the program are available either through the APP or XMAS-IV website
3. Please take note of the waste disposal classification when you are throwing away your trash. Xiamen has established a waste classification scheme that allows the municipal government to better dispose of our trash. We therefore ask you LOOK before you TOSS to make sure your trash goes into the correct receptacle.
4. While recycling is good, REDUCING and REUSING are even better. Therefore, at coffee breaks/coffee breaks, please reuse your paper coffee/tea cups should you decide you want a second cup rather than getting a new one. Same goes for paper plates and utensils.

If you have suggestions or recommendations on how we can further reduce the environmental footprint of this symposium, please let us know! Every little bit helps and together we CAN make a difference.



© John Gane

Introduction

To foster knowledge and ideas exchange within the marine environmental science community and, in particular, to promote interdisciplinary studies, the State Key Laboratory of Marine Environmental Science (MEL, <http://mel.xmu.edu.cn/en>) of Xiamen University initiated the Xiamen Symposium on Marine Environmental Sciences (XMAS), with the overarching theme of The Changing Ocean Environment: From a Multidisciplinary Perspective. XMAS-III (<http://mel.xmu.edu.cn/conference/3xmas/>) was held in Jan 2017, and attracted over 620 participants from more than 140 institutions across 21 countries.

The fourth iteration, XMAS-IV, is held in Xiamen from January 6th to 9th, 2019. The symposium consists of different, interconnected sessions covering physical oceanography, marine biogeochemistry, biological oceanography, and marine ecotoxicology along with workshops for emerging topics in marine environmental sciences.

MEL was established in 2005 under the sponsorship of the Ministry of Science and Technology of China (MOST). It was awarded "Excellent State Key Laboratory" twice in the two recent official reviews by MOST. MEL is dedicated to interdisciplinary cutting-edge research in marine environmental sciences, with particular strengths in marine biogeochemistry and ecosystem studies.

Organizers and Sponsors

State Key Laboratory of Marine Environmental Science, Xiamen University
Department of Earth Sciences, National Natural Science Foundation of China

Co-sponsors

- Bangor University, UK
- China-ASEAN College of Marine Sciences
- Chinese Society for Oceanography
- College of Earth, Ocean, and Environment, University of Delaware, USA
- College of Ocean and Earth Sciences, Xiamen University
- College of the Environment and Ecology, Xiamen University
- CSIRO Oceans and Atmosphere, Tasmania, Australia
- Hong Kong University of Science and Technology
- SCOR China
- Second Institute of Oceanography, MNR
- State Key Laboratory in Marine Pollution, City University of Hong Kong
- Surface Ocean - Lower Atmosphere Study (SOLAS)
- University of Malaya, Malaysia
- Virginia Institute of Marine Science, USA

Scientific Advisory Committee

Chair: Minhan Dai

Member: Robert Aller, Sophie Bonnet, Chris Bowler, Minhan Dai, Bojie Fu, Ken Furuya, Jianping Gan, Nianzhi Jiao, Paul Lam, Cindy Lee, Kitack Lee, Zhiyu Liu, Lisa Miller, David Mohrig, Mark Moline, Bo Qiu, Tom Rippeth, Robin Robertson, Walker Smith, Curtis Suttle, Gray Williams

Local Organizing Committee

Chair: Zhiyu Liu

Member: Zhimian Cao, Xiaolin Li, Yawei Luo, Jian Ma, Dalin Shi, Bingbing Wang, Fengling Yu

Logistics Information

Symposium Venue

Xiamen University Science and Arts Center, Siming Campus, Xiamen University, Xiamen, China



➔ From Science and Arts Center to Conrad Hotel

➔ From Science and Arts Center to Qinye Canteen

Registration

Jan. 6: 1600-2100

Jan. 7: 0730-1900

Jan. 8: 0730-1830

Venue: Lobby, Xiamen University Science and Arts Center (2nd floor)

Icebreaker

Jan 6.: 1800-2100

Venue: Exhibition Hall, Xiamen University Science and Arts Center (1st floor)

Organized Events

1. Student Activities

Student Poster Lightning Talks

Student poster lightning talks are comprised of a select number of student posters. Each has the opportunity to present his/her poster in oral. This format allows for information to be shared with the audience quickly and efficiently, and allows a higher number of individuals to give a short 1-minute oral presentation about their findings.

Time: 1650-1710 Jan. 7

Venue: Conference Hall, Xiamen University Science and Arts Center (3rd floor)

Student Award

Best student posters will be selected. Students are expected to present their posters to the judges during the poster sessions. Winners will receive prize from XMAS-IV

2. Women in Science Salon

While the ratio of female to male researchers in ocean and environmental sciences fields have steadily increased over the years, the number of female scientists within the higher tiers of science remains disappointingly low. Join several leading women in the field in an open discussion about the opportunities and challenges for women in science.

Time: 1730-1900 Jan. 7

Venue: Multifunction Hall (1st Floor)

3. Meet the Editor

Dr. Rebecca Neely, associate editor of Nature Geoscience will speak and engage with participants, especially early career researchers, on publishing papers.

Time: 1800-1850 Jan. 7

Venue: Conference Hall, Xiamen University Science and Arts Center (3rd floor)

4. Mentoring Workshop

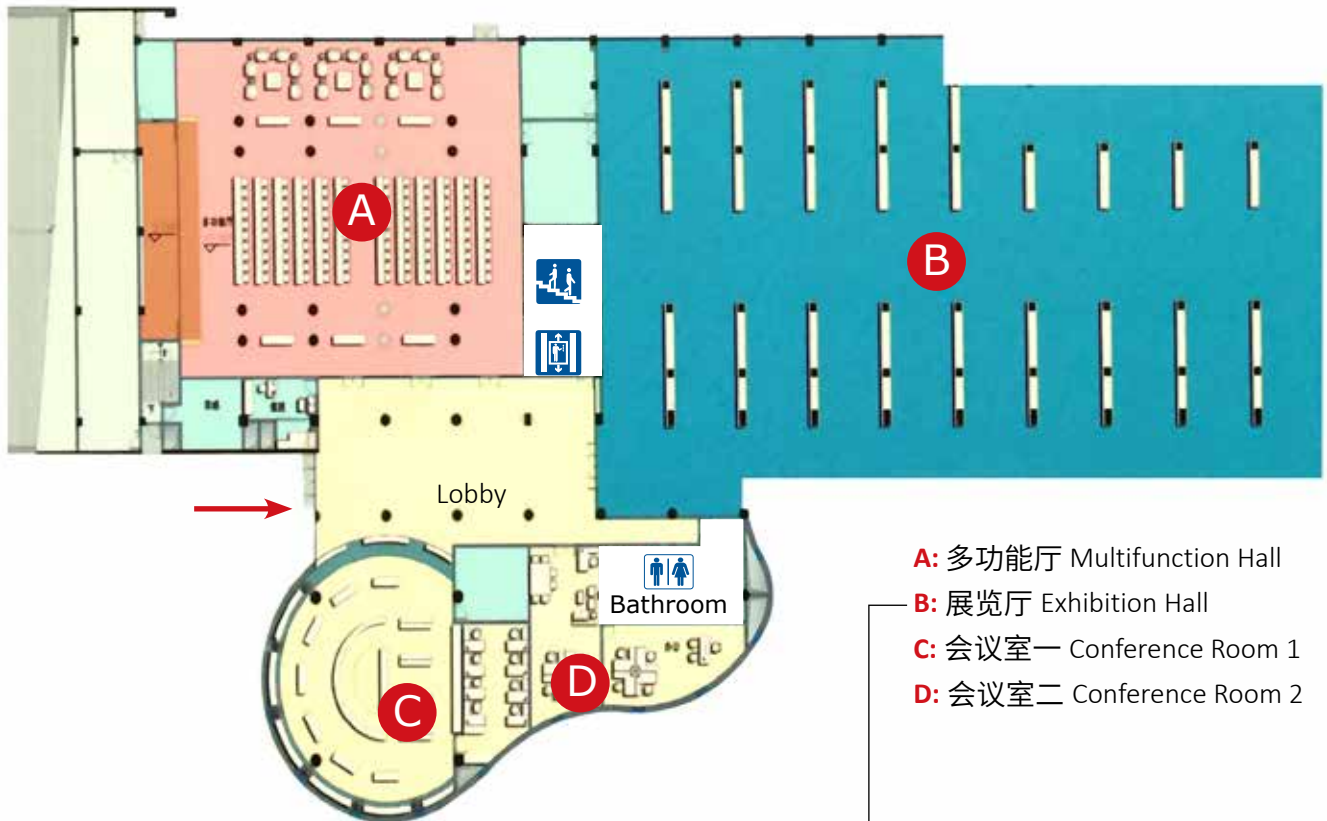
A challenge facing us today is how to recruit and retain students, either within our own labs or within the major field of study itself. One way to ensure retention is through effective mentoring. But what does it mean to be a mentor? What are the characteristics that define a good mentor-mentee relationship? Perhaps it's not quite as simple as you think.

Join Dr. Bob Chen for an engaging workshop that will help you refine your mentoring skills and perhaps improve your success in ocean science as well.

Time: 1600-1830 Jan. 8

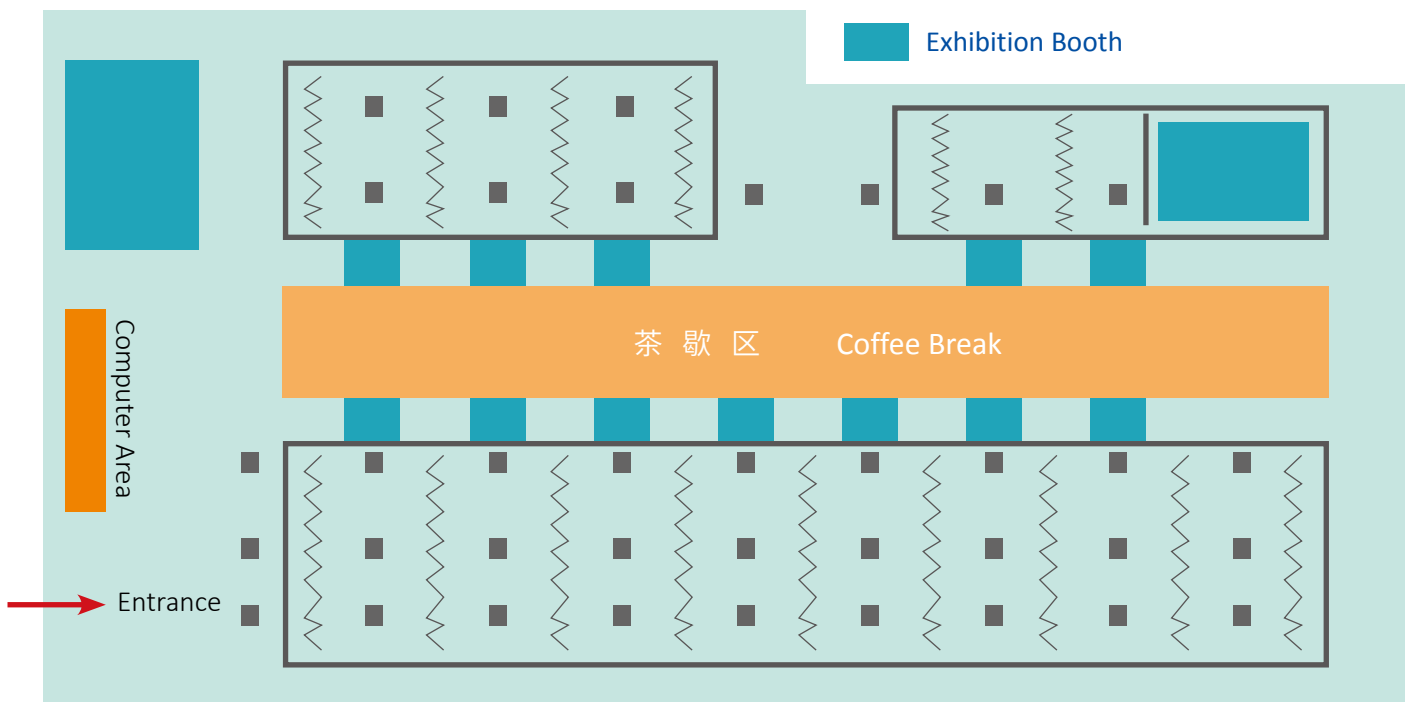
Venue: Multifunction Hall, Xiamen University Science and Arts Center (1st floor)

FIRST FLOOR

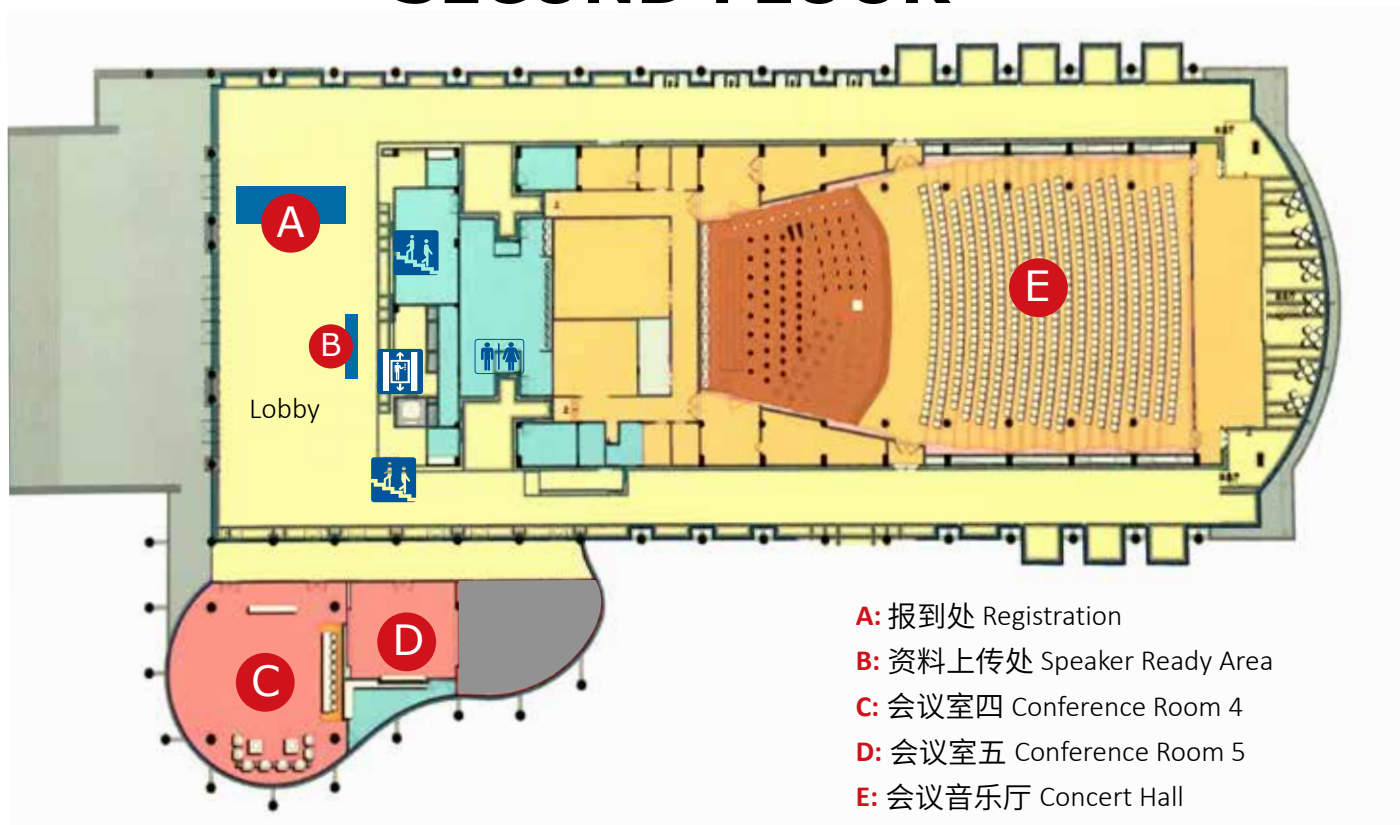


- A:** 多功能厅 Multifunction Hall
- B:** 展览厅 Exhibition Hall
- C:** 会议室一 Conference Room 1
- D:** 会议室二 Conference Room 2

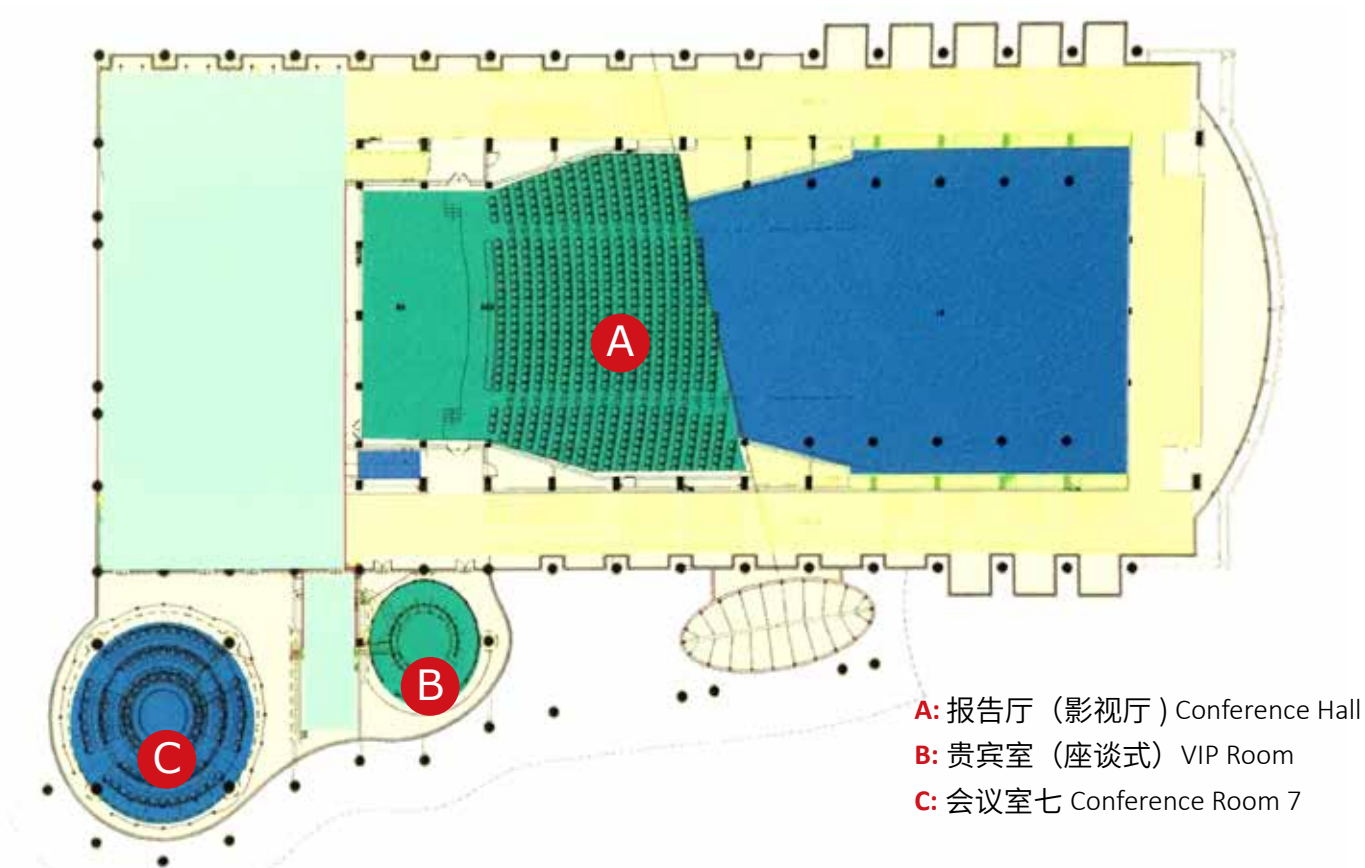
Exhibition Hall (Poster & Coffee Break)



SECOND FLOOR



THIRD FLOOR



Wi-Fi Connection Instructions

If your home university is a member of eduroam (Check on webpage given below), you may apply for an eduroam account from your home university which will allow you to access Xiamen University's Wi-Fi.

<http://www.eduroam.edu.cn/list.jsp?urltype=tree.TreeTempUrl&wbtreeid=1004>

The XMU wireless network now covers the entire campus. XMU faculty and students can access Wi-Fi through **XMUNET+**.

If you have a Wechat account, you can scan the QR code given (see front desk) and access Wi-Fi through **XMU-WX**.

If you do not have a Wechat account, you may create a guest account during registration and access Wi-Fi through **XMU_Guest**.

Internet accessible computers are available in the Computer Area.

For questions please contact: 13860473552/13860426122 or visit us at the front desk.

Contacts for Logistics

Logistics	Secretary	Email	Cell phone +86-
Coordinator	Ying Huang	xmas@xmu.edu.cn	18650137781
Facilities & website	Zhaoying Li	lizhaoying@xmu.edu.cn	13860473552
Meal	Mengmei Lin	mel@xmu.edu.cn	13599531566
Fee Payment & Reimbursement	Qingmei Lin	lqm@xmu.edu.cn	13666034554
Visa	Emily King	ehk.cosee.china@gmail.com	15860721810
Tickets	Feifei Meng	mengff@xmu.edu.cn	13599526594
Registration & Volunteer	Samuel Wang Tinglin Yang	samuelwang@xmu.edu.cn tinglin@xmu.edu.cn	15985880629 13515964262
Housing	Xinya Xu	xuxinya@xmu.edu.cn	18005960255
Transportation	Zhe Wang	wangzhe0831@xmu.edu.cn	13606938703
Exhibition & Poster	Jun Zhang	junzhang@xmu.edu.cn	13860426122
Special Reception & News Group	Suwei Weng	wengsuwei@xmu.edu.cn	13720887781

Meals and Coffee Breaks

<i>Date</i>	<i>Event</i>	<i>Time</i>	<i>Venue</i>
Jan. 6	Icebreaker	1800-2100	Exhibition Hall (1st floor)
Jan. 7	Coffee Break	0910-0930	Exhibition Hall (1st floor) & Lobby (2nd floor)
	Lunch	1150-1330	Qinye Canteen
	Coffee Break	1550-1610	Exhibition Hall (1st floor) & Lobby (2nd floor)
	Poster Session I (Light refreshments)	1710-1900	Exhibition Hall (1st floor)
Jan. 8	Coffee Break	0910-0930	Exhibition Hall (1st floor) & Lobby (2nd floor)
	Lunch	1150-1330	Qinye Canteen
	Coffee Break	1550-1610	Exhibition Hall (1st floor) & Lobby (2nd floor)
	Poster Session II (Light refreshments)	1610-1830	Exhibition Hall (1st floor)
	Dinner	1830-2000	Conrad Hotel (6th Floor)
Jan. 9	Coffee Break	0910-0930	Exhibition Hall (1st floor) & Lobby (2nd floor)
	Lunch	1150-1330	Qinye Canteen
	Coffee Break	1550-1610	Exhibition Hall (1st floor) & Lobby (2nd floor)

For those with specific dietary needs (i.e., allergies, vegetarian, vegan) please inquire at the front desk for other options or recommendations on how to order.

Program

Presentation Guidelines

Oral Presentations

- ▶ Keynote speeches are 40 minutes each including 5 minutes for Q&A.
- ▶ All other talks are 20 minutes each*. Each presentation should allow at least 3 minutes for discussions and to entertain questions from the audience. The time limit will be strictly enforced to facilitate movement between sessions.
- ▶ You should arrive at the session room 10 minutes before the start of your session and introduce yourself to the session chair(s).
- ▶ No audio or video recording is allowed in any of the session rooms during the symposium.
- ▶ Please upload your files to the XMAS-IV computers upon registration or **one day before** your presentation at the Speaker Ready Area. Only PowerPoint, KEYNOTE and PDF files will be accepted. Please notify the technical staff well in advance if your presentation is in a different format. Your files will be erased after the symposium.
- ▶ To assure fluency of the symposium, speakers are not allowed to connect their laptops to computer projectors. All speakers should upload their presentations in advance at the front desk.

Please be sure to check your presentation for viruses before uploading and presenting at the meeting.

Poster Presentations

- ▶ The designated poster sessions are from 1710-1900 on Monday and Tuesday (Jan. 7 and Jan. 9) in the Exhibition Hall. Light refreshments will be available during the poster sessions.
- ▶ Each poster will be assigned a number that corresponds to their location on the display board.
- ▶ Poster dimensions should not exceed 120 cm (height) and 90 cm (width), and should be in portrait orientation.
- ▶ The text should be readable from five feet away. Use a minimum font size of 20 points.
- ▶ We recommend you hang up your poster before 1710 Monday Jan. 7. All posters should remain on display throughout the symposium.
- ▶ The poster presenter should be available for at least 1 hour during the poster sessions on both Monday and Tuesday.
- ▶ All posters should be removed by 1800 Wednesday, Jan. 9.

* Presentations in the Education and Science Communication workshop will be 10 mins in length to allow for a 30-minute discussion/workshop at the end. Presentations in Tutorial will be 35 mins in length.

Student Poster Lightning talks

- ▶ The poster lightning talks are from 1650-1710 on Monday (Jan. 7) in the Conference Hall.
- ▶ Each presenter has one minute to present his/her poster.
- ▶ Each talk will be assigned a number that corresponds to their presentation sequence.
- ▶ Please line up by the stage before 1645 on Monday (Jan. 7) and give a ONE-minute presentation of your poster according to the sequence number.
- ▶ Each participant is allowed ONE PowerPoint slide only to accompany the talk.
- ▶ Prepare your presentation in advance so that your ideas are logically organized and your points are clear.
- ▶ Take time to rehearse your presentation. If your presentation runs longer than the allotted time, eliminate the least essential material and rehearse again. We will be strict on time.
- ▶ Give an opening statement to acquaint the audience with the nature and purpose of the study. Speak slowly and clearly. Word choice should be simple: use active words and short sentences.

Language

- ▶ English is the official language of the symposium. Presentation slides and posters should be in English. Oral talks should also be presented in English.

Presentation Tips

- ▶ Oral session presenters may visit the conference room each day to familiarize themselves with the equipment in the room or ask a technician any questions.
- ▶ Please discuss the material as reported in your submitted and approved abstract.
- ▶ Use the microphone and speak toward the audience.

Program Layout

Jan. 6	1800-2100	Icebreaker (Exhibition Hall, 1st floor)						
Meeting Room	Conference Hall 3rd floor	Concert Hall 2nd floor	Multifunction Hall 1st floor	Conference Room 1 1st floor	Conference Room 4 2nd floor	Conference Room 7 3rd floor	Conference Room 5 2nd floor	
Time								
Jan. 7	0820-0830	Opening (Conference Hall, 3rd floor)						
	0830-0910	Keynote: Bowler, Chris (Conference Hall, 3rd floor)						
	0910-0930	Coffee Break (Exhibition Hall, 1st floor & Lobby, 2nd floor)						
		P1	M1	M5	C2	G3	E1	B3
	0930-0950	Xue, Huijie	Cai, Weijun	Babbin, Andrew R.	Shiller, Alan M.	Medina, Monica	Mai, Bixian	Levine, Naomi M.
	0950-1010	Wang, Xiao Hua	Stukel, Michael	Zhu, Baoli	Shiller, Alan M.	Huang, Hui	Gao, Kunshan	Ji, Rubao
	1010-1030	Shi, John Z.	Feng, Yang	Tan, Ehui	Achterberg, Eric	Liu, Sheng	Jin, Peng	Zhou, Zhengxi
	1030-1050	Jiang, Wensheng	Krom, Michael	Wen, Zuozhu	Kim, Han Kyul	Liu, Chichi	Li, Huawei	Du, Moge
	1050-1110	Cai, Huayang	Zhai, Weidong	Wan, Xianhui	Moore, Willard	Lin, Wuhui	von Borries, Julian	Smith, Sherwood. Lan
	1110-1130	Wang, Yunwei	Xiao, Wupeng	Xu, Min	Wang, Guizhi	Dellisanti, Walter	Dai, Xi	Zhang, Qi
	1130-1150	Wang, Tao	Zhu, Zhuoyi	Qin, Wei	Guimond, Julia	Baker, David		Liu, Xiao
	1150-1330	Lunch (Qingye Canteen)						
		P1	M1	M5	C2	G3	E1	B3
	1330-1350	Huq, Pablo	Murray, James W.	Granger, Julie	Cai, Weijun	Huang, Wen	Wen, Donghui	Rose, Kenneth
	1350-1410	Chen, Zhaoyun	Liu, Ye	Zhang, Run	Van Dam, Bryce	Lin, Xin	Su, Zhiguo	Brady, Damian
	1410-1430	Yuan, Yeping	Wang, Hongjie	Yan, Xiuli	Le, Chengfeng	Cohen, Anne	Li, Feifei	Feng, Zhixuan
	1430-1450	Liu, Zhiqiang	Huang, Bangqin	Wang, Wentao	Ghosh, Anwasha	Conti-Jerpe, Inga	Li, Yanbin	Xiu, Peng
	1450-1510	Liao, Fanglou	Zhang, Zhouling	Geeraert, Naomi	He, Jie	Xu, Yi	Tan, Qiaoguo	Jin, Meibing
	1510-1530	Song, Dehai	Cai, Zhongya	Gomes, Helga	Tang, Jianwu	Wang, Zhengrong	Guo, Zhiqiang	Zhou, Feng
	1530-1550	Wei, Jun	Du, Chuanjun	Thibodeau, Benoit	Wei, Hengchen	Liu, Yi	Zhang, Li	Ge, Jianzhong
1550-1610	Coffee Break (Exhibition Hall, 1st floor & Lobby, 2nd floor)							
1610-1650	Keynote: Hofmann, Eileen E. (Conference Hall, 3rd floor)							
1650-1710	Student Poster lightning talks (Conference Hall, 3rd floor)							
1710-1900	Poster Session (Exhibition Hall, 1st floor)							
1730-1900	Women in Science Salon (Multifunction Hall, 1st floor)							
1800-1850	Meet the Editor (Conference Hall, 3rd floor)							

Meeting Room		Conference Hall 3rd floor	Concert Hall 2nd floor	Multifunction Hall 1st floor	Conference Room 1 1st floor	Conference Room 4 2nd floor	Conference Room 7 3rd floor	Conference Room 5 2nd floor
Jan. 8	0830-0910	Keynote: Church, John (Conference Hall, 3rd floor)						
	0910-0930	Coffee Break (Exhibition Hall, 1st floor & Lobby, 2nd floor)						
		P1	M4	ED*	C3	P3	B2	
	0930-0950	Gong, Wenping	Schmitt-Kopplin, Philippe	Zheng, Ying	Shaked, Yeala	Winters, Kraig	Boss, Emmanuel	
	0950-1010	Liu, Haijiang	Campbell, Barbara	Yen, Chiadai	Chou, Lei	Liu, Zhiyu	Boss, Emmanuel	
	1010-1030	Yu, Qian	Zhao, Zhao	Nemoy, Philip	Basu, Subhajit	Shen, Lian	Trull, Thomas W.	
	1030-1050	Bian, Changwei	Weinbauer, Markus	Alvisi, Francesca	Liu, Fengjie	Calzavarini, Enrico	Li, Jianping	
	1050-1110	Chen, Yining	Wommack, K Eric	Zeng, Wencui	Kong, Liangliang	Zhang, Zhiwei	Shang, Shaoling	
	1110-1130	Zhang, Heng	Zhang, Xiaohua	Chen, Bob	Sharma, Diksha	Xu, Zhenhua	Zhou, Xiangqian	
	1130-1150	Cheng, Peng	Xie, Wei	Rossi, Tullio	Li, Weiyong	Wang, Peng	Trull, Thomas W.	
	1150-1330	Lunch (Qingye Canteen)						
		C1	P2	M2	G1	P3/P5	OB	Tutorial†
	1330-1350	Hatcher, Patrick	Wang, Chunzai	Letelier, Ricardo	Warrick, Jonathan	Smyth, William D.	DeGrandpre, Michael	Sadovski, Alexey
	1350-1410	Wang, Kai	Ding, Qinghua	Church, Matthew	Dai, Zhijun	Schmitt, Francois G.	Mowlem, Matthew	
	1410-1430	Guo, Weidong	Chen, Xianyao	Dai, Minhan	Shi, Xuefa	Wang, Lipo	Bozetti, Guilherme	Zhang, Yige
	1430-1450	Guo, Laodong	Ditri, Angela	Wang, Weilei	Clift, Peter	Berti, Stefano	Wang, Gongjie	
	1450-1510	Shen, Yuan	Su, Jie	Zhou, Kuanbo	Kuehl, Steven	Yuan, Dongliang	Shu, Huilin	Smith, Sherwood. Lan
	1510-1530	Chen, Hongmei	Yan, Xiao-Hai	Gonzalez-Gaya, Belen	Fan, Daidu	Cheng, Lijing	Li, Qian	
	1530-1550	Liu, Zhanfei	Wang, Weiqiang	Lee, Zhongping	Liu, James T.	Ling, Jian	Ma, Jian	Ono, Tsuneo
	1550-1610	Coffee Break (Exhibition Hall, 1st floor & Lobby, 2nd floor)						
1610-1830	Poster Session (Exhibition Hall, 1st floor)							
1600-1830	Mentoring workshop (Multifunction Hall, 1st floor)							
1830-2000	Conference Dinner (Conrad Hotel, 6th floor)							

* Presentations in this session will be 10 mins in length to allow for a 30-minute discussion/workshop at the end.

† Presentations in this session will be 35 mins in length.

Meeting Room		Conference Hall 3rd floor	Concert Hall 2nd floor	Multifunction Hall 1st floor	Conference Room 1 1st floor	Conference Room 4 2nd floor	Conference Room 7 3rd floor	Conference Room 5 2nd floor
Jan. 9	0830-0910	Keynote: Middelburg, Jack (Conference Hall, 3rd floor)						
	0910-0930	Coffee Break (Exhibition Hall, 1st floor & Lobby, 2nd floor)						
		C1	P2	B1	G2	P5	C4	M3
	0930-0950	Wang, Xuchen	Cai, Wenju	Anderson, Donald M.	Mohtadi, Mahyar	Li, Jianping	Rudich, Yinon	Haine, Thomas
	0950-1010	Gonsior, Michael	Wang, Lei	Li, Caiwen	Zhang, Zhaohui	Du, Yan	Hu, Min	Zhang, Xiangdong
	1010-1030	Tang, Tiantian	Lu, Zhengyao	Goes, Joaquim I.	Qin, Bingbin	Zhou, Lei	Yuan, Chungshin	Lin, Peigen
	1030-1050	Li, Xiaolin	Tuo, Pengfei	Shang, Lixia	Zhang, Jinpeng	Cheng, Xuhua	Huang, Shan	Zhong, Wenli
	1050-1110	Lu, Kaijun	Tian, Di	Leong, Sandric Chee Yew	Zhang, Yige	Chang, Chiung-Wen June	Dou, Jing	Woosley, Ryan
	1110-1130	Yang, Liyang	Jiang, Yuwu	Lin, Senjie	Zhang, Yancheng	Robertson, Robin	Wang, Yu	Bai, Xuezhi
	1130-1150	Yan, Weijin	Liu, Na	Tan, Suh Nih	Veeran, Yoganandan	Susanto, R. Dwi	Wu, Zhijun	Yang, Yayu
	1150-1330	Lunch (Qingye Canteen)						
		C1	P2	B1	G2	P4	C4	M3
	1330-1350	Sempere, Richard	Keenlyside, Noel	Wells, Mark L.	Hall, Ian	Qiu, Bo	Yang, Guipeng	Våge, Kjetil
	1350-1410	Bao, Rui	Lyu, Kewei	Liang, Yue	Tangunan, Deborah	Dong, Changming	Miyazaki, Yuzo	Moore, Kent
	1410-1430	Huang, Rongfu	Zheng, Fei	Gao, Guang	Liu, Xiting	Qiu, Chunhua	Latif, Mohd Talib	Pickart, Robert
	1430-1450	Sia, Edwin Sien Aun	Fang, Xianghui	Mao, Xuewei	Groeneveld, Jeroen	Zhang, Wenzhou	Gao, Huiwang	Li, Xichen
	1450-1510	Ding, Haibing	Wang, Xin	Zhou, Yiyong	Kandasamy, Selvaraj	Liu, Chuanyu	Lai, Senchao	Liang, Hongjie
	1510-1530	Wang, Zucheng	Yu, Jin-Yi	Leaw, Chui Pin	Fontorbe, Guillaume	Sun, Zhongbin	Uning, Royston	Pisareva, Maria
	1530-1550	Yu, Zhitong	He, Shan	Gao, Yida	Jia, Qi	Menemenlis, Dimitris	Zhao, Yangyang	
	1550-1610	Coffee Break (Exhibition Hall, 1st floor & Lobby, 2nd floor)						
1610-1650	Keynote: Johnson, Kenneth (Conference Hall, 3rd floor)							
1650-1730	Student Poster Award and Closing Ceremony (Conference Hall, 3rd floor)							

Program

Sunday, January 6, 2019

Registration: 1600-2100 (Lobby, 2nd floor)
Icebreaker: 1800-2100 (Exhibition Hall, 1st floor)

Monday, January 7, 2019

Lobby (2nd floor)

0730-1900 On-site registration

Conference Hall (3rd floor)

0820-0830 Opening

0830-0910 Bowler, Chris **Keynote Speech:**
Tara Oceans: Eco-Systems Biology at Planetary Scale

0910-0930 Break (Exhibition Hall, 1st floor & Lobby, 2nd floor)

P1-Physics of estuaries and coastal seas

Conference Hall (3rd floor)

Chair: Cheng, Peng

0930-0950 Xue, Huijie Nearshore circulation, transport, and implication on population connectivity in a macro tidal coastal environment **(Invited)**

0950-1010 Wang, Xiao Hua Recent development in coastal oceanography **(Invited)**

1010-1030 Shi, John Z. The possible effect of stratification on the vertical structure of the semidiurnal tidal ellipse in the Changjiang River estuary, China **(Invited)**

1030-1050 Jiang, Wensheng The nonlinear effects of the eddy viscosity and the bottom friction on the Lagrangian residual velocity in a narrow model bay **(Invited)**

1050-1110 Cai, Huayang Frictional interactions between tidal constituents in tide-dominated estuaries

1110-1130 Wang, Yunwei Seasonal alternation of tidal asymmetry induced by mean sea level variation

1130-1150 Wang, Tao The balance of salinity variance in a partially stratified estuary: Implications for exchange flow, mixing and water age

**M1-Circulation, biogeochemistry and carbon cycling in ocean margins
Concert Hall (2nd floor)**

Chair: Liu, Zhiqiang

0930-0950	Cai, Weijun	Solubility controls carbonate chemistry with local modifications in North American ocean margins (Invited)
0950-1010	Stukel, Michael S. Lan	Biological and physical processes driving the biological pump in the California Current Ecosystem (Invited)
1010-1030	Feng, Yang	Towards predicting the largest Louisiana hypoxic area: An analysis of a coupled physical-biogeochemistry model results during 1985-2009
1030-1050	Krom, Michael	Nutrient cycling in the Eastern Mediterranean Sea: An inland sea which behaves like an ocean gyre
1050-1110	Zhai, Weidong	Understanding CaCO ₃ cycling in the Yellow Sea
1110-1130	Xiao, Wupeng	Realized niches explain spatial gradients in seasonal abundance of phytoplankton groups in the South China Sea
1130-1150	Zhu, Zhuoyi	Using triple oxygen isotopes to constrain organic carbon production rates and nutrient regeneration in the marginal sea

**M5-Nitrogen cycling in the ocean: From genes to ecosystems and from the past to the future
Multifunction Hall (1st floor)**

Chairs: Ren, Haojia; Shi, Dalin and Wang, Xingchen

0930-0950	Babbin, Andrew R.	Nitrite oxidation exceeds reduction and fixed nitrogen loss in anoxic Pacific waters (Invited)
0950-1010	Zhu, Baoli	Novel processes in microbial nitrogen cycle: Methane-driven nitrate reduction and oxygenic denitrification
1010-1030	Tan, Ehui	Temperature plays a crucial role in regulating sedimentary nitrogen removal and the associated N ₂ O release
1030-1050	Wen, Zuozhu	Nutrient-limitation and response to increasing CO ₂ of diazotrophic cyanobacteria in the South China Sea
1050-1110	Wan, Xianhui	Surface nitrification and its climatic effect in the oligotrophic ocean
1110-1130	Xu, Min	Coupled effect of substrate and light on assimilation and oxidation of regenerated nitrogen in the euphotic ocean
1130-1150	Qin, Wei	Comparative genomics and evolutionary analyses of marine ammonia-oxidizing archaea

C2-Biogeochemical processes in land-ocean interfaces, surface estuaries, subterranean estuaries and sediment-water interface

Conference Room 1 (1st floor)

Chairs: Moore, Willard S. and Wang, Guizhi

0930-1010	Shiller, Alan	Biogeochemistry of the river-dominated central northern Gulf of Mexico (Invited)
1010-1030	Achterberg, Eric	Trace element cycling in coastal systems (GEOTRACES): Riverine and benthic supplies and control by oxygen
1030-1050	Kim, Han Kyul	Spatiotemporal variability of biogeochemical reactions in an intertidal beach aquifer
1050-1110	Moore, Willard	Groundwater and biogeochemistry alter beach pore waters
1110-1130	Wang, Guizhi	Submarine groundwater discharge and its associated chemical fluxes in the Pearl River Estuary
1130-1150	Guimond, Julia	Marsh crab impacts on hydrology and biogeochemistry alter coastal carbon cycling

G3-The geochemical and biological study of corals

Conference Room 4 (2nd floor)

Chairs: Wang, Zhengrong and Yu, Fengling

0930-0950	Medina, Monica	Comparative metatranscriptomes reveal the adaptive potential of coral holobionts under thermal stress (Invited)
0950-1010	Huang, Hui	The physiological responses of juvenile <i>Pocillopora damicornis</i> to diurnal $p\text{CO}_2$ fluctuations
1010-1030	Liu, Sheng	Limited functional redundancy and more complementarity of herbivorous fish on shaping benthic community in coral reefs of South China Sea
1030-1050	Liu, Chichi	Illuminating the dark depths inside coral
1050-1110	Lin, Wuhui	The shielding effect of coral reefs to create unusually low radiation environment on the surface of the Earth
1110-1130	Dellisanti, Walter	The short-term plasticity of Hong Kong's <i>Platygyra</i> sp. corals: A new insight on coral in-situ metabolism and ex-situ manipulations
1130-1150	Baker, David M.	Nutritional musings on coral evolution

E1-Marine pollution, ecotoxicology and sustainability

Conference Room 7 (3rd floor)

Chairs: Hong, Haizheng and Zhang, Li

0930-0950	Mai, Bixian	Bioaccumulation and biomagnification of halogenated organic pollutants in marine biota from the Pearl River Estuary and South China Sea (Invited)
0950-1010	Gao, Kunshan	Marine photosynthetic organisms under influence of ocean acidification
1010-1030	Jin, Peng	Fast adaptation of tropical phytoplankton to increased warming
1030-1050	Li, Huawei	Bioaccumulation of tetrabromobisphenol A and hexabromocyclododecane in mangrove plants from the Pearl River Estuary
1050-1110	von Borries, Julian	A novel, highly efficient method for the separation of plastic particles in sediments of aquatic environments
1110-1130	Dai, Xi	Accumulation of quaternary ammonium compounds as emerging contaminants in sediments collected from the Pearl River Estuary, China and Tokyo Bay, Japan
1130-1150		

B3-Pushing the frontiers of marine ecological modeling: Where are we now and how can we move forward?

Conference Room 5 (2nd floor)

Chair: Liu, Xiao

0930-0950	Levine, Naomi M.	Small but mighty - the role that marine microbes play in mediating our climate (Invited)
0950-1010	Ji, Rubao	Developmental threshold model: Linking phenology and biogeography of marine zooplankton populations
1010-1030	Zhou, Zhengxi	Seasonal succession of microalgal blooms from diatoms to dinoflagellates in the East China Sea: A numerical simulation study
1030-1050	Du, Moge	The biological-physical interaction in the open ocean based on the nitrogen-based ecological model
1050-1110	Smith, Sherwood Lan	Modeling seasonal and inter-annual variability of trophic transfer and ¹⁵ N stable isotope enrichment within the planktonic food chain
1110-1130	Zhang, Qi	Size-depending response of phytoplankton growth to increasing ocean CO ₂ concentration
1130-1150	Liu, Xiao	Global and localized impact of river nitrogen export on ocean primary productivity and oxygen

1150-1330
Lunch at Qinye Canteen

P1-Physics of estuaries and coastal seas
Conference Hall (3rd floor)

Chair: Wang, Ya Ping

1330-1350	Huq, Pablo	On the dynamics of buoyant outflows to the coastal ocean (Invited)
1350-1410	Chen, Zhaoyun	Dispersal of the Pearl River plume over continental shelf in summer
1410-1430	Yuan, Yeping	The distribution of age in a coastal river plume
1430-1450	Liu, Zhiqiang	Coupled summer circulation and dynamics between a bay and the adjacent shelf around Hong Kong: Observational and modeling studies
1450-1510	Liao, Fanglou	A numerical study of coastal-trapped waves in Jervis Bay, Australia
1510-1530	Song, Dehai	The response of north Yellow Sea cold water mass to the wind-generated near-inertial oscillation
1530-1550	Wei, Jun	Thermal and dynamical response of South China Sea to the climate change

M1-Circulation, biogeochemistry and carbon cycling in ocean margins
Concert Hall (2nd floor)

Chair: Liu, Xin

1330-1350	Murray, James W.	High $p\text{CO}_2$ conditions in San Francisco Bay originate from coastal upwelling from the California Undercurrent (Invited)
1350-1410	Liu, Ye	Reconstructing the Baltic physical-biogeochemical state during the period 1993-2016 (Invited)
1410-1430	Wang, Hongjie	Time of emergence of ocean acidification in ocean margins (Invited)
1430-1450	Huang, Bangqin	POC export regulated by plankton community structure in a subtropical marginal sea
1450-1510	Zhang, Zhouling	Importance of water exchange with adjacent open seas on the silicon cycle in the Baltic Sea
1510-1530	Cai, Zhongya	On dynamics of the vertical exchange among the three-layer circulations in the South China Sea
1530-1550	Du, Chuanjun	Dynamics of dissolved inorganic carbon in the South China Sea: A modeling study

M5-Nitrogen cycling in the ocean: From genes to ecosystems and from the past to the future Multifunction Hall (1st floor)

Chairs: Ren, Haojia; Shi, Dalin and Wang, Xingchen

1330-1350	Granger, Julie	Insights on halocline ventilation in the western Arctic from nitrate isotope ratios (Invited)
1350-1410	Zhang, Run	DON cycling in the South China Sea: Insights from stable isotope
1410-1430	Yan, Xiuli	Hydro-biological modulation of nitrate and its dual isotopes in the northwest Pacific Ocean
1430-1450	Wang, Wentao	The effect of nitrogen cycles in the Kuroshio on the marine environment of East China Sea
1450-1510	Geeraert, Naomi	Pathways of anthropogenic nitrogen in the coastal environment of Hong Kong
1510-1530	Gomes, Helga	The influence of riverine nutrients in niche partitioning of phytoplankton communities - A contrast between the Amazon River plume and the Changjiang (Yangtze) River diluted water of the East China Sea
1530-1550	Thibodeau, Benoit	Atlantic Meridional Overturning Circulation during the abnormally long interglacial of marine isotope stage 11: What can we learn from surface nutrient utilization?

C2-Biogeochemical processes in land-ocean interfaces, surface estuaries, subterranean estuaries and sediment-water interface Conference Room 1 (1st floor)

Chairs: Moore, Willard S. and Wang, Guizhi

1330-1350	Cai, Weijun	Insights from spatial distributions of inorganic carbon parameters in the Chesapeake Bay: A bay-wide buffering mechanism via carbonate mineral precipitation and dissolution
1350-1410	Van Dam, Bryce	Air-water gas exchange in a shallow, microtidal estuary
1410-1430	Le, Chengfeng	Remote sensing of chlorophyll <i>a</i> and its application on hypoxia and $p\text{CO}_2$ monitoring in coastal water
1430-1450	Ghosh, Anwasha	Distribution patterns of nitrogen-cycling bacterial groups between pristine and human-impacted sites of coastal northern Bay of Bengal
1450-1510	He, Jie	Production of a non-hydroxyl radical oxidant during oxygenation of mackinawite (FeS)
1510-1530	Tang, Jianwu	The effect of coastal restoration on CO_2 and CH_4 fluxes in a <i>Spartina</i> salt marsh and brackish <i>Phragmites</i> marsh in Massachusetts
1530-1550	Wei, Hengchen	Spatial-temporal variations of water column nitrogen in the tidal freshwater zone of the Aransas River, South Texas

G3-The geochemical and biological study of corals
Conference Room 4 (2nd floor)

Chairs: Lin, Senjie and Medina, Monica

1330-1350	Huang, Wen	Genetic diversity and large-scale connectivity of the scleractinian coral <i>Porites lutea</i> in the South China Sea
1350-1410	Lin, Xin	RNA-seq profiling of <i>Symbiodinium kawagutii</i> in response to different trace metals
1410-1430	Cohen, Anne	Stressful times: The biology, chemistry and application of bleaching signatures in coral skeletons (Invited)
1430-1450	Conti-Jerpe, Inga	Trophic strategy drives bleaching resistance in corals
1450-1510	Xu, Yi	A numerical model of coral symbiosis, photosynthesis, respiration and calcification processes
1510-1530	Wang, Zhengrong	Nucleation of aragonite in aqueous solutions: Implication for coral biomineralization
1530-1550	Liu, Yi	Biological modulation of coral growth responding to long-term climate change

E1-Marine pollution, ecotoxicology and sustainability
Conference Room 7 (3rd floor)

Chairs: Hong, Haizheng and Zhang, Li

1330-1350	Wen, Donghui	Occurrence and distribution of antibiotic resistance genes in coastal area: From wastewater treatment plants to bay (Invited)
1350-1410	Su, Zhiguo	Conventional pollution factors and antibiotic resistance genes co-driven status of microbial community structures and their predicted functions in coastal sediments
1410-1430	Li, Feifei	Antibiotics in the coastal environment of the East China Sea: Levels, distribution and impact factors
1430-1450	Li, Yanbin	Methylmercury cycling in the Bohai Sea, Yellow Sea and East China Sea, China: Sources/sinks and controlling factors
1450-1510	Tan, Qiaoguo	A biotic ligand model for simultaneously modeling the bioaccumulation and toxicity of Cd-Zn mixtures in the clam <i>Potamocorbula laevis</i>
1510-1530	Guo, Zhiqiang	Biokinetic modeling of Cd bioaccumulation from water, diet and sediment in a marine benthic goby: A triple stable isotope tracing technique
1530-1550	Zhang, Li	Biomagnification potential of Arsenic in marine food chains

**B3-Pushing the frontiers of marine ecological modeling: Where are we now and how can we move forward?
Conference Room 5 (2nd floor)**

Chair: Ji, Rubao

1330-1350	Rose, Kenneth	End-to-end models: Linking physics and biogeochemistry to fish (Invited)
1350-1410	Brady, Damian	Aquaculture site prospecting: Using ocean observing platforms, remote sensing, and numerical modeling to inform sustainable ecological aquaculture expansion
1410-1430	Feng, Zhixuan	Modeling the shifts of phytoplankton phenology and composition on the Northwest Atlantic Shelf
1430-1450	Xiu, Peng	Modeled phytoplankton response to the offshore transport of the Pearl River Plume
1450-1510	Jin, Meibing	Cascading while diminishing: Modeling biological-physical responses to Southern Annular Modes in the Southern Ocean
1510-1530	Zhou, Feng	Multiple causes of hypoxia in the East China Sea: Some notes from observations and modelling
1530-1550	Ge, Jianzhong	Model-guided quantification of the Three Gorges Dam's impact on Changjiang Estuary's hydrodynamics and ecosystem

1550-1610

Break (Exhibition Hall, 1st floor & Lobby, 2nd floor)

Conference Hall (3rd floor)

Keynote Speech:		
1610-1650	Hofmann, Eileen	Modeling continental shelf nutrient and carbon budgets: Approaches and challenges
1650-1710	Student Poster lightning talks	

Exhibition Hall (1st floor)

1710-1900 Poster Session

Multifunction Hall (1st floor)

1730-1900 Women in Science Salon

Conference Hall (3rd floor)

1800-1850 Meet the Editor

Tuesday, January 8, 2019

Lobby (2nd floor)

0730-1830 On-site registration

Conference Hall (3rd floor)

Keynote Speech:

0830-0910 Church, John Implications of anthropogenic sea-level rise for mitigation and adaptation decisions

0910-0930 Break (Exhibition Hall, 1st floor & Lobby, 2nd floor)

P1-Physics of estuaries and coastal seas

Conference Hall (3rd floor)

Chair: Wang, Ya Ping

0930-0950 Gong, Wenping Seasonal sediment transport pattern in a funnel-shaped microtidal estuary **(Invited)**

0950-1010 Liu, Haijiang Comprehensive analyses of the sediment movement process in the vicinity of the deep-water channel of the Yangtze Estuary

1010-1030 Yu, Qian Hysteresis of suspended sediment concentration to spring-neap tidal variations in turbidity maximum zone of a macro-tidal estuary: The role of bed mud pool movement

1030-1050 Bian, Changwei Multiple timescale suspended sediment concentration variations in the East China Seas indicated by satellite observations

1050-1110 Chen, Yining Saltmarsh evolution driven by vegetation-sediment dynamic interaction: Comparison of native and exotic species

1110-1130 Zhang, Heng Controls on the interannual variability of hypoxia in a subtropical embayment and its adjacent waters in the Guangdong coastal upwelling system, northern South China Sea

1130-1150 Cheng, Peng Instabilities in river plume fronts during downwelling-favorable winds

M4-Bridging microbial diversity and chemodiversity of dissolved organic matter to better constrain processes in biogeochemical cycles
Concert Hall (2nd floor)

Chair: Chen, Feng

0930-0950	Schmitt-Kopplin, Philippe	The chemistry of microbiomes/holobionts: High resolution tailored metabolomics in environmental research (Invited)
0950-1010	Campbell, Barbara	Environmental effects on the diversity and functional activities of microbes along estuarine gradients (Invited)
1010-1030	Zhao, Zhao	Responses of marine bacterial community to dissolved organic matter released from viral lysis of picocyanobacteria: Is there a correspondence between bacterial populations and molecular signatures of DOM?
1030-1050	Weinbauer, Markus	Effect of viral lysis of microorganisms on the organic matter continuum and microbial activity in the ocean
1050-1110	Wommack, K Eric	Squeezing out understanding from sequences: Genome to phenome connections in viruses of microbes
1110-1130	Zhang, Xiaohua	Insight into microbial metabolisms in the deepest seawater on the Earth
1130-1150	Xie, Wei	Deciphering associations between dissolved organic molecules and microbial communities in the Pearl River Estuary

ED-Communicate your science: Outreach in the 21st century
Multifunction Hall (1st floor)

Chairs: Chen, Mingru and You, Weiwei

0930-0940	Waldron, Susan	Knowledge management across the environment-policy interface in China: What knowledge is exchanged, why, and how is this undertaken?
0940-0950	Yen, Chiadai (Ray)	Scientists and educators cooperation: Using mobile microscope observes plankton to initiate ocean stewardship
0950-1000	Nemoy, Philip	Rebranding nuisance: Using education and outreach to promote understanding, interest and participation in citizen science about jellyfish in Israel
1000-1010	Alvisi, Francesca	The contribution of marine geology to the ocean literacy process
1010-1020	Zeng, Wencui	Ocean outreach and social media: From lab to public
1020-1030	Chen, Robert	Cool science: Children educating adults through their art on buses (Invited)
1030-1040	Rossi, Tullio	Graphical abstracts: How to master the latest trend in publishing (Invited)
1040-1150		Workshop and Discussion

C3-The role of trace metals in controlling structure and function of microbial communities in contemporary oceans

Conference Room 1 (1st floor)

Chairs: Bhadury, Punyasloke; Bowler, Chris and Cai, Yihua

0930-0950	Shaked, Yeala	Selective collection of iron-rich dust particles by natural <i>Trichodesmium</i> colonies (Invited)
0950-1010	Chou, Lei	Marine nitrogen fixation: Environmental and nutrient controls
1010-1030	Basu, Subhajit	Mutual quest for mineral and dust Fe by <i>Trichodesmium</i> and associated bacteria
1030-1050	Liu, Fengjie	Speciation of trace metals in the boundary layer surrounding phytoplankton cells: Implications for trace metal bioavailability
1050-1110	Kong, Liangliang	A reduction-dependent copper uptake pathway in an oceanic diatom
1110-1130	Sharma, Diksha	Growth response of phytoplankton under CO ₂ and trace metal enrichment from an upwelling system, SE coast of Arabian Sea
1130-1150	Li, Weiying	The interrelationship between cell size, cellular cadmium and cadmium-carbonic anhydrase in marine diatoms

P3-Turbulence and scaling processes in the ocean

Conference Room 4 (2nd floor)

Chair: Shen, Lian

0930-0950	Winters, Kraig	Mixing induced upwelling along a sloping boundary energized by the internal tide (Invited)
0950-1010	Liu, Zhiyu	On quantifying small-scale turbulence in the ocean
1010-1030	Shen, Lian	Wave-turbulence interaction in the upper-ocean boundary layer
1030-1050	Calzavarini, Enrico	Transect measurements by micro-probes in hydrodynamic turbulence: A numerical study
1050-1110	Zhang, Zhiwei	Latitude-dependent finescale turbulent shear generations in the Pacific tropical-extratropical upper ocean
1110-1130	Xu, Zhenhua	Long-range radiation and interference pattern of multisource M ₂ internal tides in the Philippine Sea
1130-1150	Wang, Peng	Langmuir circulation with explicit surface waves from moving-mesh modeling

B2-Optical sensing of plankton communities and dynamics
Conference Room 7 (3rd floor)

Chairs: Chai, Fei and Smith, Walker

0930-0950	Boss, Emmanuel	The utility of data closure in quality control and investigation of optical data (Invited)
0950-1010	Boss, Emmanuel	The changing perspective of phytoplankton dynamics thanks to profiling floats
1010-1030	Trull, Thomas W.	Seasonal cycles of optical properties at the Australian Integrated Marine Observing System Southern Ocean Time Series
1030-1050	Li, Jianping	FluoSieve: A novel fluorescence imaging flow cytometer for high-throughput phytoplankton analysis
1050-1110	Shang, Shaoling	A simple formula for empirical ocean color algorithms for absorption coefficient or chlorophyll concentration applicable from clear to turbid waters
1110-1130	Zhou, Xiangqian	Numerical modeling of tidal dynamics in the South Shetland Islands adjacent sea, Antarctic
1130-1150	Trull, Thomas W.	Possible explanations for the unexpected lack of phytoplankton biomass in naturally iron fertilized waters near Heard and McDonald Islands in the Southern Ocean

1150-1330
Lunch at Qinye Canteen

**C1-Biogeochemistry of organic matter and associated elements along the river-estuary-ocean continuum
Conference Hall (3rd floor)**

Chairs: Guo, Laodong and Liu, Zhanfei

1330-1350	Hatcher, Patrick	Export of terrestrially-derived organic matter from rivers to the oceans as determined by ultrahigh resolution mass spectrometry and NMR (Invited)
1350-1410	Wang, Kai	Optical and molecular signatures of dissolved organic matter in Xiangxi Bay and mainstream of Three Gorges Reservoir, China: Spatial-temporal variations and environmental implications
1410-1430	Guo, Weidong	High-frequency monitoring of FDOM dynamics in a subtropical estuary
1430-1450	Guo, Laodong	Molecular size distribution and size-dependent composition of a single DOM sample as characterized using FIFFF-EEM-PARAFAC coupling techniques
1450-1510	Shen, Yuan	Ocean mixing and the removal of marine refractory dissolved organic carbon
1510-1530	Chen, Hongmei	Phototransformation of dissolved organic matter to ammonium and new forms of nitrogen-containing organic compounds: The biogeochemical implications
1530-1550	Liu, Zhanfei	Elucidating molecular level information of dissolved organic matter in aquatic environments using two novel advanced analytical instruments

P2-Ocean-atmosphere interactions and multi-scale climate variability in a changing climate Concert Hall (2nd floor)

Chair: Yu, Jin-Yi

1330-1350	Wang, Chunzai	Interaction among three oceans and climate: A review and perspective (Invited)
1350-1410	Ding, Qinghua	A global view of large-scale atmospheric circulation variability over the last 60 years (Invited)
1410-1430	Chen, Xianyao	The orthogonal PDO and ENSO indices
1430-1450	Ditri, Angela	Decadal variability of sea-surface temperatures and ocean heat content in the Southern Ocean
1450-1510	Su, Jie	Low sea ice concentration in central Arctic and its impact factors
1510-1530	Yan, Xiaohai	Cross-basin heat transport: Linking the "switch" and "engine" of the climate change
1530-1550	Wang, Weiqiang	The Indian Ocean equatorial surface divergence and subsurface convergence and their relation to the dynamics of equatorial zonal currents during positive IOD

M2-Biogeochemistry in oligotrophic ocean gyres Multifunction Hall (1st floor)

Chairs: Church, Matthew and Luo, Ya-Wei

1330-1350	Letelier, Ricardo	The biological boundary between phosphorus and iron limitation in an oligotrophic ocean (Invited)
1350-1410	Church, Matthew	The ecology and biogeochemistry of nitrogen-fixing microorganisms in the subtropical North Pacific
1410-1430	Dai, Minhan	Upper ocean biogeochemistry in the ocean desert
1430-1450	Wang, Weilei	Where is the downward export flux of dissolved organic carbon important in the global ocean?
1450-1510	Zhou, Kuanbo	Particulate carbon and silica export mediated by cyclonic eddies at Station ALOHA
1510-1530	Gonzalez-Gaya, Belen	Fate of atmospheric aromatic hydrocarbons into the oligotrophic ocean
1530-1550	Lee, Zhongping	Quantum yield of photosynthesis in oligotrophic gyres and its application to estimate primary production from remote sensing

**G1-Sediment dynamics and morphodynamics of river-sea sediment dispersal systems through space and time:
A source-to-sink perspective
Conference Room 1 (1st floor)**

Chairs: Chang, Yuan-Pin; Jian, Xing and Liu, James T.

1330-1350	Warrick, Jonathan	River delta response to a massive increase in sediment supply: The influences of sediment supply, waves and tidal currents (Invited)
1350-1410	Dai, Zhijun	Mega Changjiang (Yangtze) Estuary morphodynamics: Source-to-Sink of sediments (Invited)
1410-1430	Shi, Xuefa	Source-to-Sink processes and environment variations in the East Siberia Sea since the last deglaciation (Invited)
1430-1450	Clift, Peter	Marine records of Himalayan erosion and monsoon climate change in Southwest Asia
1450-1510	Kuehl, Steven	Tectonic and oceanographic controls on sediment dispersal and accumulation off the Ayeyarwady River Delta
1510-1530	Fan, Daidu	Comparison study of Late-Quaternary small-river deltaic systems across the Taiwan Strait (Invited)
1530-1550	Liu, James T.	Dynamics of settling particles revealed by a non-sequential sediment trap mooring

**P3-Turbulence and scaling processes in the ocean
Conference Room 4 (2nd floor)**

Chair: Shen, Lian

1330-1350	Smyth, William D.	Self-organized criticality in geophysical turbulence (Invited)
1350-1410	Schmitt, Francois G.	Scaling turbulence in the ocean (Invited)
1410-1430	Wang, Lipo	Cascade and intermittency of the sea surface temperature in the oceanic system
1430-1450	Berti, Stefano	Relative dispersion in quasi-geostrophic models of upper-ocean turbulence

P5-The ocean and atmosphere in the Maritime Continent and their impacts
Conference Room 4 (2nd floor)

Chair: Susanto, Raden Dwi

1450-1510	Yuan, Dongliang	Indonesian Throughflow in the eastern Indonesian Seas during 2014-2017 (Invited)
1510-1530	Cheng, Lijing	Global and regional evolution of ocean heat content related to ENSO
1530-1550	Ling, Jian	Possible role of the diurnal cycle of land convection in the barrier effect on the MJO by the Maritime Continent

OB-Ocean observation: From microfluidics to global scale
Conference Room 7 (3rd floor)

Chairs: Achterberg, Eric and Ma, Jian

1330-1350	DeGrandpre, Michael	The evolution of optofluidic sensors for pH and $p\text{CO}_2$ (Invited)
1350-1410	Mowlem, Matthew	Microfluidic biogeochemical sensors for global scale observation (Invited)
1410-1430	Bozetti, Guilherme	The importance of in-situ measurements of turbidity currents: The limitations of grain-size and upscaling in flume experiments
1430-1450	Wang, Gongjie	Quantifying the capability of ocean observation system in representing ocean heat content changes using synthetic observation
1450-1510	Shu, Huilin	Automated determinations of pH and carbonate ion concentrations in seawater
1510-1530	Li, Qian	Automated spectrophotometric determination of total alkalinity in surface seawater along the east coast of the USA
1530-1550	Ma, Jian	Development of an integrated Syringe-pump-based Environmental-water Analyzer (iSEA)

**Tutorial-Time-series analysis of ocean biogeochemical and ecological data
Conference Room 5 (2nd floor)**

Chair: Wang, Hongjie

1330-1405	Sadovski, Alexey	Statistical analysis of time series and its applications to the global sea level rise and to tide predictions in the shallow waters of the Gulf of Mexico
1405-1440	Zhang, Yige	Neogene burial of organic carbon in the global ocean
1440-1515	Smith, Sherwood Lan	The adaptive metropolis algorithm as a tool for model selection given irregular and imperfect time-series data
1515-1540	Ono, Tsuneo	Long-term variation of subsurface oxygen and nutrient in North Pacific: Do they reflect each other?

1550-1610

Break (Exhibition Hall, 1st floor & Lobby, 2nd floor)

Multifunction Hall (1st floor)

1600-1830	Mentoring workshop: You've filled your lab with students - now what? Best practices for mentoring ocean science students
-----------	--

Exhibition Hall (1st floor)

1610-1830	Poster Session
-----------	----------------

1830-2130

Conference Dinner at Conrad Hotel, 6th Floor

Wednesday, January 9, 2019

Conference Hall (3rd floor)

Keynote Speech:

0830-0910 Middelburg, Jack On the use of stable isotopes as deliberate tracers to elucidate ecosystem functioning

0910-0930 Break (Exhibition Hall, 1st floor & Lobby, 2nd floor)

C1-Biogeochemistry of organic matter and associated elements along the river-estuary-ocean continuum Conference Hall (3rd floor)

Chairs: Guo, Laodong and Liu, Zhanfei

0930-0950	Wang, Xuchen	Radiocarbon ages of organic matter transported by major Chinese rivers: What have we learned? (Invited)
0950-1010	Gonsior, Michael	Chemodiversity of sediment porewater DOM in two contrasting sediment cores within the Chesapeake Bay, USA
1010-1030	Tang, Tiantian	Carbon isotope signature of amino acids in marine environments
1030-1050	Li, Xiaolin	Exchange process and biodegradation mechanisms of dissolved organic carbon derived by Kuroshio intrusion in the Northern South China Sea
1050-1110	Lu, Kaijun	Bioavailability and molecular structure of dissolved organic matter (DOM) in five south Texas rivers
1110-1130	Yang, Liyang	Flux, chemical composition and reactivity of dissolved organic matter at the land-ocean interface of Minjiang River, SE China
1130-1150	Yan, Weijin	Modeling of riverine dissolved organic carbon (DOC) fluxes in the Changjiang River network: In coupling of in-stream degradation and river hydrology

P2-Ocean-atmosphere interactions and multi-scale climate variability in a changing climate Concert Hall (2nd floor)

Chair: Yang, Xiao-Yi

0930-0950	Cai, Wenju	Increased variability of eastern Pacific El Niño under greenhouse warming (Invited)
0950-1010	Wang, Lei	A recent shift in the Monsoon centers associated with the tropospheric biennial oscillation
1010-1030	Lu, Zhengyao	Orbital modulation of ENSO seasonal phase locking
1030-1050	Tuo, Pengfei	The changing influences of ENSO and the Pacific Meridional Mode on mesoscale eddies in the South China Sea
1050-1110	Tian, Di	Quantitative contributions of cross-shelf and air-sea heat exchange to future heat budget changes in the East China Sea
1110-1130	Jiang, Yuwu	Decadal variation of SST and wind in the Taiwan Strait during winter
1130-1150	Liu, Na	Connection of Antarctic sea ice with China summer rainfall on the interannual time scale

B1-Harmful algal blooms: Mechanisms, monitoring, and prevention in a rapidly changing world Multifunction Hall (1st floor)

Chairs: Lim, Po Teen and Wang, Da-Zhi

0930-0950	Anderson, Donald M.	In situ HAB observations with biosensors: A decade of challenges, accomplishments, and insights (Invited)
0950-1010	Li, Caiwen	The biology and ecology of typical marine parasitic dinoflagellates
1010-1030	Goes, Joaquim I.	Ecosystem state change in the Arabian Sea linked to shrinking snow caps of the Himalayan-Tibetan Plateau
1030-1050	Shang, Lixia	Toxic and allelopathic effects of <i>Alexandrium leei</i> (Dinophyceae) tested with zooplankton (<i>Rotifer</i> and <i>Artemia</i>), fish (<i>Oryzias melastigma</i>) and phytoplankton (<i>Akashiwo sanguinea</i>)
1050-1110	Leong, Sandric Chee Yew	Fish kill events in Singapore Coastal Waters
1110-1130	Lin, Senjie	Metatranscriptomic signatures associated with regime shift from diatom dominance to a dinoflagellate bloom
1130-1150	Tan, Suh Nih	Population genetic structure of domoic acid producing diatom <i>Nitzschia navis-varingica</i> (Bacillariophyceae) in the Western Pacific region

G2-Modern and past processes of ocean-atmosphere-climate interactions in the low-latitude western Pacific and Indian Ocean**Conference Room 1 (1st floor)**Chairs: Hall, Ian and Kandasamy, Selvaraj

0930-0950	Mohtadi, Mahyar	Past changes in the tropical Indo-Pacific climate: State of the art and outstanding issues (Invited)
0950-1010	Zhang, Zhaohui	El Niño evolution during the Holocene revealed by a biomarker rain gauge in the Galapagos Islands
1010-1030	Jia, Qi	Reconstructing the upper ocean thermal structure in the western Philippine Sea over the past 700 kyr
1030-1050	Zhang, Jinpeng	Paleoenvironmental changes in the NW South China Sea over the Last Glacial-Interglacial Cycle inferred by fossil diatom assemblages
1050-1110	Zhang, Yige	The Neogene Warmth of the Western Pacific Warm Pool
1110-1130	Zhang, Yancheng	Summer monsoon-induced upwelling dominated coastal SST variations in the northern South China Sea over the last two millennia
1130-1150	Veeran, Yoganandan	Climate variability during the Holocene as seen in sediments from the southeastern Arabian Sea

P5-The ocean and atmosphere in the Maritime Continent and their impacts**Conference Room 4 (2nd floor)**Chair: Yu, Weidong

0930-0950	Li, Jianping	Atmospheric energetics over the tropical Indian Ocean during Indian Ocean Dipole events
0950-1010	Du, Yan	Indo-Pacific climate during the decaying phase of the 2015/16 El Nino: Role of southeast tropical Indian Ocean warming
1010-1030	Zhou, Lei	Oceanic intraseasonal variabilities associated with Central Indian Ocean Mode
1030-1050	Cheng, Xuhua	Dynamics of eddy generation in the central Bay of Bengal
1050-1110	Chang, Chiung-Wen June	Madden-Julian Oscillation enhances phytoplankton biomass in the Maritime Continent
1110-1130	Robertson, Robin	Mixing in the Indonesian Seas
1130-1150	Susanto, R. Dwi	Tidal mixing signatures in the Southeast Asia Waters from high-resolution sea surface temperature data

C4-Surface Ocean and Lower Atmosphere Study—Air-sea interactions and their climatic and environmental impacts**Conference Room 7 (3rd floor)**Chair: Zhang, Guiling

0930-0950	Rudich, Yinon	Coupling between oceanic microbial interactions and atmospheric biological aerosol composition (Invited)
0950-1010	Hu, Min	The formation mechanism of atmospheric PM _{2.5} and haze pollution in the fall and winter of Beijing (Invited)
1010-1030	Yuan, Chungshin	Marine fine aerosols in South China Sea: Chemical characteristics and source apportionment
1030-1050	Huang, Shan	Identification of the chemically distinct groups of Atlantic aerosol particles based on K-means cluster analysis
1050-1110	Dou, Jing	Iron reoxidation in photochemical cycling
1110-1130	Wang, Yu	Aerosol hygroscopicity in East Asia from continental to marine environments
1130-1150	Wu, Zhijun	Hygroscopicity of marine aerosols and its link with chemical composition

M3-The Arctic Ocean: Physical processes and their effects on climate and the ecosystem**Conference Room 5 (2nd floor)**Chairs: Lin, Peigen and Moore, Kent

0930-0950	Haine, Thomas	The Arctic/Sub-Arctic freshwater cycle's impact on North Atlantic ocean circulation (Invited)
0950-1010	Zhang, Xiangdong	Rapidly changing Arctic climate system and Arctic-midlatitude climate and weather linkages (Invited)
1010-1030	Lin, Peigen	Circulation and water properties of the northeastern Chukchi Sea in summer
1030-1050	Zhong, Wenli	Circulation of Pacific Winter Water in the western Arctic Ocean
1050-1110	Woosley, Ryan	Multi-decadal trends in Arctic Ocean carbon chemistry
1110-1130	Bai, Xuezhi	A numerical study of the impacts of storm on upper ocean in the Canada Basin of the Arctic Ocean during summer
1130-1150	Yang, Yayu	Emerging oceanic changes during summer in the central and eastern Chukchi Sea, 1974-2017

1150-1330
Lunch at Qinye Canteen

**C1-Biogeochemistry of organic matter and associated elements along the river-estuary-ocean continuum
Conference Hall (3rd floor)**

Chairs: Guo, Laodong and Liu, Zhanfei

1330-1350	Sempere, Richard	Distribution, and accumulation of micro plastics and organic additives in north western Mediterranean Sea
1350-1410	Bao, Rui	Rolling in the deep: Tectonically-triggered sediment and carbon export to the Hadal zone
1410-1430	Huang, Rongfu	Monitoring of classical, oxidized, and heteroatomic naphthenic acids species in oil sands process water and groundwater from the active oil sands operation area
1430-1450	Sia, Edwin Sien Aun	Nutrient budget and phytoplankton dynamics of the Rajang River-South China Sea continuum
1450-1510	Ding, Haibing	Low molecular organic acids: Distributions, spatio-temporal variations, and their effects on carbon dioxide system of seawater in coastal area
1510-1530	Wang, Zucheng	Impact of Hurricane Harvey on polycyclic aromatic hydrocarbons and alkanes in surface sediments of Copano Bay and Aransas Bays
1530-1550	Yu, Zhitong	Spatial variability of sedimentary organic carbon in the Yellow River Estuary

**P2-Ocean-atmosphere interactions and multi-scale climate variability in a changing climate
Concert Hall (2nd floor)**

Chair: Yang, Xiao-Yi

1330-1350	Keenlyside, Noel	The role of tropical basin-interactions in climate predictability (Invited)
1350-1410	Lyu, Kewei	What's the role of Atlantic trans-basin forcing in Pacific decadal variability?
1410-1430	Zheng, Fei	Contrasting the skills and biases of deterministic predictions for the two types of El Niño
1430-1450	Fang, Xianghui	A simulating and theoretical investigation on the dynamics of the two types of ENSO
1450-1510	Wang, Xin	A new index for identifying different types of El Niño Modoki events
1510-1530	Yu, Jin-Yi	A simple view of ENSO complexity
1530-1550	He, Shan	Asymmetric tropical ocean responses to ENSO in observations and CMIP5 models

B1-Harmful algal blooms: Mechanisms, monitoring, and prevention in a rapidly changing world Multifunction Hall (1st floor)

Chairs: Gu, Haifeng and Lin, Senjie

1330-1350	Wells, Mark L.	The effect of increasing temperature and acidification on the growth and competitive success of toxic <i>Alexandrium catenella</i> from the Gulf of Maine
1350-1410	Liang, Yue	Molecular mechanisms of temperature acclimation and adaptation in marine diatoms
1410-1430	Gao, Guang	Ocean acidification and nutrient limitation synergistically reduce growth and photosynthetic performances of a green tide alga <i>Ulva linza</i>
1430-1450	Mao, Xuewei	Cyanate utilization and Identification of cyanase gene in toxic dinoflagellate <i>Alexandrium pacificum</i>
1450-1510	Zhou, Yiyong	Uncovering links between sediment and stoichiometry of nitrogen and phosphorus in water and its role in triggering red tide
1510-1530	Leaw, Chui Pin	Intragenomic polymorphism of ribosomal DNAs in <i>Gambierdiscus</i> (Dinophyceae) and its implications in molecular species delineation
1530-1550	Gao, Yida	Insights into the multiple roles of programmed cell death markers at different growth stages and diel cycle in toxic Dinoflagellate <i>Karenia brevis</i>

G2-Modern and past processes of ocean-atmosphere-climate interactions in the low-latitude western Pacific and Indian Ocean Conference Room 1 (1st floor)

Chair: Steinke, Stephan

1330-1350	Hall, Ian	Toward a 5 million-year record of the Greater Agulhas Current System
1350-1410	Tangunan, Deborah	Variations in coccolithophore productivity off South Africa over the last five glacial cycles
1410-1430	Liu, Xiting	High- and low-latitude forcing of the East African climate since the Last Glacial Maximum
1430-1450	Groeneveld, Jeroen	Australian shelf sediments reveal shifts in Miocene Southern Hemisphere Westerlies
1450-1510	Kandasamy, Selvaraj	Glacial-interglacial variations in opal and organic carbon accumulation in the eastern equatorial Indian Ocean
1510-1530	Fontorbe, Guillaume	Perturbation of the silicon cycle during the PETM: New insights from silicon isotopes
1530-1550	Jia, Qi	Reconstructing the upper ocean thermal structure in the western Philippine Sea over the past 700 kyr

P4-Ocean eddies, fronts, and air-sea exchanges: Observations and high resolution simulations
Conference Room 4 (2nd floor)

Chair: Lin, Hongyang

1330-1350	Qiu, Bo	Northwestern Pacific variability and its connectivity to the South China Sea (Invited)
1350-1410	Dong, Changming	Island wakes in shallow water
1410-1430	Qiu, Chunhua	An irregularly shaped warm eddy observed by Chinese underwater gliders
1430-1450	Zhang, Wenzhou	Composite eddy structures on both sides of the Luzon Strait and influence factors
1450-1510	Liu, Chuanyu	TOOSSE: the high resolution Two Oceans One Sea State Estimate
1510-1530	Sun, Zhongbin	A subsurface-intensified mesoscale eddy train observed by a long-term mooring array in the northeastern South China Sea
1530-1550	Menemenlis, Dimitris	Global ocean modeling at kilometer scale mesh resolution for studying ocean eddies, fronts, and air-sea exchanges (Invited)

C4-Surface Ocean and Lower Atmosphere Study—Air-sea interactions and their climatic and environmental impacts
Conference Room 7 (3rd floor)

Chair: Zhang, Guiling

1330-1350	Yang, Guipeng	Spatio-temporal variability and transformation of dimethylsulfide (DMS) and dimethylsulfoniopropionate (DMSP) in the East China Sea (Invited)
1350-1410	Miyazaki, Yuzo	Biogeochemical linkage between marine organic aerosols and surface seawater in the North Pacific: Sea-to-air transfer of dissolved organic carbon and nitrogen (Invited)
1410-1430	Latif, Mohd Talib	Composition of surfactants in sea-surface microlayer, sub-surface water and atmospheric aerosols in selected coastal areas in Peninsular Malaysia
1430-1450	Gao, Huiwang	Modelling the effect of atmospheric deposition on phytoplankton growth during the on-board incubation experiments conducted in South China Sea
1450-1510	Lai, Senchao	Influence of biomass burning on marine aerosols over the South China Sea
1510-1530	Uning, Royston	The significant relationship between isoprene and monoterpenes sea-to-air fluxes at the tropical air-sea interface
1530-1550	Zhao, Yangyang	Short-term dynamics of sea surface $p\text{CO}_2$ in a large subtropical estuary system

**M3-The Arctic Ocean: Physical processes and their effects on climate and the ecosystem
Conference Room 5 (2nd floor)**

Chairs: Lin, Peigen and Moore, Kent

1330-1350	Våge, Kjetil	Overturning in the Nordic Seas (Invited)
1350-1410	Moore, Kent	The early collapse of the 2017 Lincoln Sea Ice Arch in response to thin ice and anomalous wind forcing (Invited)
1410-1430	Pickart, Robert	Dynamics of the high-frequency variability in Denmark Strait
1430-1450	Li, Xichen	Interaction between Arctic Sea Ice and Atlantic-Pacific teleconnection
1450-1510	Liang, Hongjie	Arctic sea ice melt onset analysis
1510-1530	Pisareva, Maria	On the nature of wind-forced upwelling in Barrow Canyon
1530-1550		

1550-1610

Break (Exhibition Hall, 1st floor & Lobby, 2nd floor)

Conference Hall Center (3rd floor)

1610-1650	Johnson, Kenneth	Keynote Speech: Biogeochemical-Argo: Status and implementation plan
1650-1730	Student Poster Award and Closing Ceremony	

Student Poster Lightning Talk List

Time: 1650-1710, Jan. 7

Venue: Conference Hall, 3rd floor

Seq.	No.	Presenter	Poster Title
1	P-P2-01-S	Chen, Biao	Ocean salinity as a predictor of summer rainfall over East Asian Monsoon region
2	P-P5-09-S	Zhang, Yazhou	Impact of the South China Sea summer monsoon on the Indian Ocean Dipole
3	P-G2-06-S	Zhu, Dongdong	Effect of changes in the Indian/African monsoon on the circulation, oxygen content and P cycling of Sapropel Intermediate Water (500-1800 m) in Eastern Mediterranean
4	P-C1-01-S	Qiao, Jing	Export of terrigenous organic matter from rivers during extreme rain events: Fluxes and influencing factors
5	P-SPS4-02-S	Liu, Jing	Dynamics of ammonium in the Pearl River Estuary under summer hypoxic conditions
6	P-M5-04-S	Chen, Ling	The transformation processes of ammonium at the Pearl River Estuary in summer
7	P-C2-09-S	Wang, Qianqian	Estimation of submarine groundwater discharge and associated heavy metal and nutrient fluxes into Bohai Bay, China
8	P-C2-06-S	Shi, Xiangming	Benthic respiration exacerbates hypoxia in coastal seas: New insights derived from ^{224}Ra - ^{228}Th disequilibrium
9	P-M5-08-S	Wu, Siqi	Isotope constraints on the forming mechanism of primary nitrite maximum (PNM) in the South China Sea
10	P-M2-01-S	Chen, Jing	Distribution and influence factors of dissolved manganese in the Western Pacific Ocean
11	P-C2-10-S	Xiang, Yang	The chemical speciation of particulate manganese in the Arctic ocean and potential implications on scavenging of other trace elements
12	P-M5-06-S	Wan, Ru	Effects of antibiotics on multiple nitrogen transformation processes in aquatic environments
13	P-OB-05-S	Tian, Xifan	Isotope insights for the trophic ecology of vent crabs in shallow hydrothermal system
14	P-SPS2-03-S	Han, Yu	The patterns of DOM transformation and utilization by heterotrophic bacteria in phytoplankton bloom revealed by proteomic and metabolomic analyses
15	P-B1-20-S	An, Lina	Comparison of photosynthetic pigments and phytoplankton assemblages in two types of coastal

Seq.	No.	Presenter	Poster Title
			regions in Southeast Asia-Indonesian Throughflow and river estuary
16	P-C3-06-S	Zhuang, Shanshan	Transcriptome analyses of silicon metabolism in the resting cells of marine diatom <i>Thalassiosira pseudonana</i>
17	P-B1-09-S	Liu, Qi	Effect of a diatom on colony formation in the harmful bloom-forming species <i>Phaeocystis globosa</i>
18	P-B1-22-S	Liu, Yuyang	Proofs for production of sexual resting cyst by the toxic dinoflagellate <i>Karenia mikimotoi</i> from clonal cultures and marine sediments
19	P-B1-01-S	Lim, Zhen Fei	Marine benthic dinoflagellates <i>Prorocentrum</i> (Dinophyceae) from Rawa Island, Terengganu, Malaysia, with a description of <i>Prorocentrum malayense</i> sp. nov.
20	P-E1-05-S	Liu, Jie	Ecosystem-based management under a changing environment via outputs from coupled marine physical and biogeochemical models and participation of stakeholders

Poster List

Poster Session Time Slots: 1710-1900, Jan. 7 and 1610-1830, Jan. 8

Venue: Exhibition Hall (1st floor)

No.	Presenter	Poster Title
P-B1-01-S	Lim, Fei	Marine benthic dinoflagellates <i>Prorocentrum</i> (Dinophyceae) from Rawa Island, Terengganu, Malaysia, with a description of <i>Prorocentrum malayense</i> sp. nov.
P-B1-02-S	Zhang, Fuxing	Study on algicidal functional microbes against <i>Prorocentrum donghaiense</i> blooms
P-B1-03	Gu, Haifeng	Sympatric occurrence of two <i>Azadinium poporum</i> ribotypes in the Eastern Mediterranean Sea
P-B1-04	Hii, Kieng Soon	Metagenomics assessment on the distribution and relative abundance of <i>Alexandrium</i> species along the eastern coast of Peninsular Malaysia
P-B1-05-S	Ji, Nanjing	Metatranscriptome analysis reveals environmental and diel regulation of a <i>Heterosigma akashiwo</i> (Raphidophyceae) bloom
P-B1-06	Liang, Junrong	The physiological, biochemical characteristics and mechanism of the diatoms <i>Chaetoceros muelleri</i> resting spores formation
P-B1-07-S	Lee, Li Keat	Benthic harmful dinoflagellate assemblages of Perhentian Islands (South China Sea): the relationships between benthic substratum characteristics, depth and monsoonal shift
P-B1-08	Lim, Po Teen	Responses of phytoplankton community to eutrophication in Semerak lagoon, Malaysia
P-B1-09-S	Liu, Qi	Effect of a diatom on colony formation in the harmful bloom-forming species <i>Phaeocystis globosa</i>
P-B1-10	Luo, Zhaohe	Morphology and molecular phylogeny of bloom-forming planktonic <i>Prorocentrum</i> (Dinophyceae) species from China
P-B1-11	Na, Wang	Pseudocryptic speciation in <i>Protoceratium reticulatum</i> (Dinophyceae) and its relationship with biogeography and physiology
P-B1-12	Wang, Xiaodong	Allocation Costs Associated with Induced Defense in <i>Phaeocystis globosa</i> (Prymnesiophyceae): the Effects of Nutrient Availability
P-B1-13	Xia, Xiaomin	Rare Bacteria in Seawater Are Dominant of Bloom-forming Dinoflagellate <i>Noctiluca Scintillans</i> Associated Bacterial Assemblage
P-B1-14-S	Chai, Xiaojie	Phytoplankton Community in Xiamen Harbor and Its Relationship to Environmental Factors
P-B1-15	Yan, Meng	The emerging threat of toxic microalgae <i>Coolia</i> spp. in Hong Kong waters
P-B1-16-S	Yang, Anqiang	Are changes in N:P ratios in coastal waters the key to harmful algal species occurrence?
P-B1-17-S	Jiao, Yuhu	Okadaic acid exposure inhibits the development of neural crest cells through the EMT process
P-B1-18	Zhang, Shuwen	Factors influence the successive blooms induced by <i>Noctiluca scintillans</i> and <i>Mesodinium rubrum</i>

No.	Presenter	Poster Title
P-B1-19-S	Zhu, Xiaoying	The effective algicidal bacterium <i>Microbulbifer maritimus</i> TF-17 triggered <i>Phaeocystis globosa</i> autophagy dominated by membrane destruction
P-B1-20-S	An, Lina	Comparison of photosynthetic pigments and phytoplankton assemblages in two types of coastal regions in Southeast Asia-Indonesian Throughflow and river estuary
P-B1-21-S	Lin, Siheng	An assessment on the intrapopulational and intraindividual genetic diversity in LSU rDNA in the harmful algal bloom-forming dinoflagellate <i>Margalefidinium</i> (= <i>Cochlodinium</i>) <i>fulvescens</i> based on clonal cultures and bloom samples from Jiaozhou Bay, China
P-B1-22-S	Liu, Yuyang	Proofs for production of sexual resting cyst by the toxic dinoflagellate <i>Karenia mikimotoi</i> from clonal cultures and marine sediments
P-B1-23	Wang, Pengbin	Correlation between phytoplankton bloom and hypoxia zone formation at the Pearl River Estuary
P-B2-01-S	Ma, Minglei	Study of subcellular localization of dinoflagellate rhodopsin by transformation and expression in mammalian cells
P-B2-02-S	Qiu, Guoqiang	Measurements of particulate optical properties and their implications in biogeochemical variables in the open South China Sea
P-B2-03-S	Wu, Jinghui	Unifying the concept of euphotic zone depth
P-B2-04	Jun, Pan	The diel vertical migration of zooplankton in the hypoxia area observed by Video Plankton Recorder
P-B2-05-S	Chen, Xinrong	High-frequency observation of floating algae from AHI on Himawari-8
P-B2-06	Chen, Tao	A darkfield optical flow imaging system for high-throughput analysis of marine zooplankton
P-B3-01-S	Chen, Jianzhong	Controls on seasonal variability in pelagic plankton productivity in the East China sea: a 1-D modelling perspective
P-B3-02	Ji, Rubao	A modeling study on the spatio-temporal variability of primary production in the East/Japan Sea
P-B3-03-S	Li, Dou	Variability of hypoxia in coastal transition zone off Pearl River Estuary: observational and modelling studies
P-B3-04-S	Li, Xiaoshuang	Extending our understanding of the marine carbonate system in the Changjiang Estuary and adjacent East China Sea shelf using Artificial Neural Networks
P-B3-05	Meng, Qicheng	Modeling the Dissolved Oxygen in the Northern South China Sea in the Summer Driven by the Physical and Biogeochemical Processes
P-B3-06-S	Zhang, Haoran	A one-dimensional physical-biogeochemical model applied to time-series Station Papa
P-C1-01-S	Jing, Qiao	Export of terrigenous organic matter from rivers during extreme rain events: fluxes and influencing factors
P-C1-02-S	Kang, Peihong	The distribution of labile organic matter in Pearl River estuary as indicated by amino acid carbon isotopes
P-C1-03	Li, Penghui	Effects of algal bloom on dynamics of dissolved organic matter in the Yangtze Estuary

No.	Presenter	Poster Title
P-C1-04-S	Liao, Weisen	Spatial changes in phytoplankton community structure in the Taiwan Strait
P-C1-05-S	Lin, Yunpeng	Impact of typhoon Matmo (2014) on the distribution and sources of sedimentary organic matter in the Quanzhou Bay
P-C1-06-S	Liu, Qianqian	Comparison of seasonal biogeochemical characteristics of suspended particulate matter in the continental shelf of the southern East China Sea
P-C1-07	Guo, Shujin	Spatial and temporal variation of transparent exopolymer particles in a semi-enclosed bay: the Jiaozhou Bay, North China
P-C1-08-S	Kang, Sujin	Organic carbon transfer across the open and closed estuary systems: a case study of Geum and Seomjin River systems, South Korea
P-C1-09-S	Yang, Zixiang	Carbon isotope behavior of amino acids in sediment
P-C1-10	Yu, Juan	Spatial variations of extracellular enzyme activity in the East China Sea and the Yellow Sea
P-C1-11	Zhang, Yong	Origin and dynamics of dissolved organic matter in a mariculture area suffering from summertime hypoxia and acidification
P-C1-12-S	Cheng, Zhangyu	Study on GDGTs in Sediments of Jiulong River Estuary
P-C2-01	Bhadury, Punyasloke	Exploring impact of seasonal nutrient influx on sedimentary organic carbon and its relationship with a benthic foraminifera genus in a shallow tropical coastal lagoon
P-C2-02-S	Dan, Solomon	Nutrient biogeochemistry in the Cross River estuary system and adjacent Gulf of Guinea, South East Nigeria (West Africa)
P-C2-03	Dutta, Manab Kumar	Missing Carbon from mangroves
P-C2-04-S	Md Nasir, Fatin Adlina	Distribution and Behaviour of Nutrients in Kelantan River Estuary during Different Monsoon Seasons
P-C2-05-S	Agusto, Laura	The impact of bioturbating crabs on salt marshes carbon flux.
P-C2-06-S	Shi, Xiangming	Benthic respiration exacerbates hypoxia in coastal seas: New insights derived from ^{224}Ra - ^{228}Th disequilibrium
P-C2-07-S	Shi, Xueying	Using $^{224}\text{Ra}/^{228}\text{Th}$ disequilibrium to illuminate the seasonal and tidal variations of solute transfer across mangrove sediment-water interface and internal cycles
P-C2-08	Song, Guisheng	Interaction between photochemical and microbial degradation of dissolved organic matter in the Pearl River Estuary
P-C2-09-S	Wang, Qianqian	Estimation of submarine groundwater discharge and associated heavy metal and nutrient fluxes into Bohai bay, China
P-C2-10-S	Xiang, Yang	The chemical speciation of particulate manganese in the Arctic ocean and potential implications on scavenging of other trace elements
P-C2-11-S	Zheng, Xiawan	Methane emission from mangrove wetland soils is marginal but can be stimulated significantly by anthropogenic activities
P-C2-12	Xing, Guowei	Chloride Dependency of Cu Transformation in the Presence of Natural Organic Matter at Alkaline pH
P-C2-13-S	Xu, Xin	Sediment nitrogen cycling and removal in tidal freshwater zones of two rivers in south Texas, USA
P-C2-14	Zhang, Junxiao	Sanya Bay is a Weak Source of Atmospheric CO ₂

No.	Presenter	Poster Title
P-C2-15	Eliot Atekwana	Impacts of watershed hydrologic modification on freshwater drainage and productivity in small estuaries: Example from three small sub-tropical estuaries, SW Florida, USA
P-C3-01	Cai, Yihua	Recent progress of GEOTRACES activities in the Xiamen University, China
P-C3-02-S	Ji, Pengyu	Functions of three predicted genes associated with biosilicification in the diatom <i>Thalassiosira pseudonana</i>
P-C3-03	Takeda, Shigenobu	Effects of iron enrichment on nitrogen cycle near the subsurface chlorophyll maximum in the subtropical North Pacific
P-C3-04-S	Wang, Siyuan	Dust as a source of Phosphorus for natural and cultured <i>Trichodesmium</i>
P-C3-05-S	Ye, Youting	Effects of CO ₂ and light on the diatom <i>Phaeodactylum tricornutum</i> under iron-limited conditions
P-C3-06-S	Zhuang, Shanshan	Transcriptome analyses of silicon metabolism in the resting cells of marine diatom <i>Thalassiosira pseudonana</i>
P-C3-07	Zhou, Linbin	Effects of aluminum on the ocean carbon cycle and climate change: the Iron-Aluminum Hypothesis
P-C4-01	He, Zhen	Seasonal and spatial variations of chloroform, trichloroethylene, tetrachloroethylene, chlorodibromomethane, and bromoform in the Northern Yellow Sea and Bohai Sea
P-C4-02	Huang, Xiongfeng	Communities, sources and cross-oceanic transport of terrestrial bioaerosols
P-C4-03-S	Li, Jianlong	Development of Measurement System for Marine and Atmospheric Isoprene and Dimethyl Sulfide using Curie-Point Pyrolyzer (CPP)
P-C4-04-S	Li, Jing	Effect of the multi-phase reaction between organic acids and chloride on ice nucleation of sea spray aerosols
P-C4-06	Liu, Chunying	Nitric oxide (NO) in the Yellow Sea and the Bohai Sea
P-C4-07	Miller, Lisa	New Insights into Carbon Export from Sea Ice
P-C4-08	Wang, Bingbing	Micro-spectroscopic characterization of particles generated from mesocosm and collected over South China Sea
P-C4-09-S	Wang, Hui	Temporal variations and chemical characteristics of atmospheric aerosol over the South Yellow Sea and the East China Sea
P-C4-10-S	Xu, Feng	Distribution and Biogeochemical Cycling of Dimethylsulfide in the Yellow Sea and the Bohai Sea During Spring
P-C4-11-S	Xue, Jiao	Heterogeneous ice nucleation and micro-spectroscopic characterization of particles generated from mesocosm
P-C4-12-S	Yao, Yao	Water activity and ice nucleation of aqueous droplets consisting marine related compounds
P-C4-13-S	Ye, Wangwang	Methane production in the oxygenated water in the marginal seas of China and the potential contribution to the atmosphere
P-C4-14-S	Wu, Yingcui	Coastal Observation of Non-methane Hydrocarbons in the Yellow Sea and East China Sea during Spring: Spatial Variability, Controlling Factors and Environmental Effect
P-C4-15	Zhang, Guiling	Distribution of concentration and stable isotopic composition of N ₂ O in the shelf and slope of the northern South China Sea: Implications for production and emission

No.	Presenter	Poster Title
P-E1-01-S	Cao, Wang	Interactive effect of copper and temperature on growth and physiology in <i>Thalassiosira pseudonana</i>
P-E1-02-S	Chen, Yuren	Calculation of the monthly total maximum allocated load of dissolved inorganic nitrogen pollutants in Daya Bay using L-THIA combined 3D model
P-E1-03	Lan, Kuowei	Variation in the catch rate and distribution of swordtip squid (<i>Uroteuthis edulis</i>) associated with factors of the oceanic environment in the southern East China Sea
P-E1-04	Li, Junmin	Temporal and spatial characteristics of surface chlorophyll concentration around the reefs and islands in the South China sea
P-E1-05-S	Liu, Jie	Ecosystem-based management under a changing environment via outputs from coupled marine physical and biogeochemical models and participation of stakeholders
P-E1-06	Ng, Wei Lun	Morphological characterization of <i>Rhizophora</i> mangrove hybrids on an islet in Malaysia
P-E1-07	Sharma, Sahadev	Historical seaward mangrove habitat expansion in the Merlimau, Malaysia
P-E1-08-S	Ni, Silin	Distribution of amino acid in DOM and POM in the south china sea.
P-E1-09-S	Tang, Guowen	Microplastics and polycyclic aromatic hydrocarbons (PAHs) in Xiamen coastal areas: implications for anthropogenic impacts
P-E1-10	Teoh, Hong Wooi	Trophic role of hermit crabs in the coastal mudflats: implications for fish production.
P-E1-11	Tian, Hongzhen	Spatial and temporal changes in chlorophyll-a concentrations in the Bohai Sea in the past two decades
P-E1-12-S	Uddin, Mohammad Mazbah	Accumulation, tolerance, subcellular distribution and chemical fractionation of Cadmium in <i>Sesuvium portulacastrum</i>
P-E1-13	Wang, Weimin	Effects of Asian Dust Input on Eukaryotic Phytoplankton Community Structure in the open areas in Northwestern Pacific Ocean
P-E1-14-S	Lin, Wen	The Detection and Distribution of Pharmaceutical and Personal Care Products (PPCPs) in Estuarine Areas
P-E1-15-S	Wu, Rongben	Occurrence and Removal Efficiency of Selected Psychiatric Pharmaceuticals in Wastewater Treatment Plants (WWTPs) of Hong Kong: A Preliminary Study
P-E1-16-S	Xiao, Ziyang	The Expression of Toll-like Receptors in Dolphin Skin Fibroblast and Comparison of dolphin and laboratory animal TLR4
P-E1-17	Cao, Xiaoyan	Effects of black carbon on phosphorus migration and forms distribution in sediment
P-E1-18-S	Zhong, Daiyin	Two-generation Toxicological Study of Triphenyl Phosphate (TPhP) in Marine Medaka (<i>Oryzias melastigma</i>)
P-E2-01-S	Regalbuto, Stefania	Marine Resources and Ecosystem Services: Evaluative Approaches for the City-Port Sustainable Development
P-E2-02	Cerreta, Maria	Port cities as complex value-added systems: decision-making processes for a sustainable regenerative model
P-E2-03	De Toro, Pasquale	Multi-criteria and multi-group assessment for the conflict resolution between maritime economic growth and coastal protection in Sicily (Italy)

No.	Presenter	Poster Title
P-E2-04	Philip, Paruthumootil Jacob	Transformation Towards Resilient Societies Through Information and Communication Technologies for Planning coastal Cities.
P-E2-05	Francesca, Nocca	The synergistic relationship between strategies for waterfront regeneration and changing in sea level: the case of the city of Pozzuoli (Italy)
P-G1-01-S	Gao, Chengcheng	Possible geological evidence for historical storm events from Dongshan Bay, southern China
P-G1-02-S	Jue, Peter Z.	Identification of diverse particle types in the water column on the Gaoping shelf, SW Taiwan
P-G1-03-S	Lan, Tingfei	Hydrodynamics and Suspended Sediment transport in the South Passage of Changjiang Estuary after Typhoon Maria
P-G1-04	Yu, Fengling	Using $\delta^{13}\text{C}$ and C/N to Indicate the Source and Transport Process of Particulate Organic Matter in Jiulong River Estuary, Southeast China
P-G1-05-S	Ren, Fahui	The evolution of hypoxia off the Changjiang Estuary in the last ~3,000 years: evidence from the benthic foraminiferal assemblages
P-G1-06-S	Wu, Hao	The influence of seabed microrelief on hydrodynamic evolutions in the south branch of Yangtze River estuary
P-G1-07-S	Xu, Jimmy J	Sedimentological study of sediment cores offshore Jiulongjiang River: Preliminary results from ^{210}Pb
P-G1-09-S	Zhang, Xiao	Using ^{210}Pb to constrain sediment focusing in Taiwan Strait
P-G1-10	Zhang, Yanwei	Long-term in situ observations on typhoon-triggered turbidity currents in the deep sea
P-G1-11-S	Zhou, Junfei	Abundance and burial flux of soot black carbon in sediments on the northern South China Sea Shelf
P-G2-02	Li, Chao	Regional paleoenvironment record of dinocysts in the Beibu Gulf: evidence from sedimentary core SO31
P-G2-03-S	Li, Junlu	Characteristic and forcing mechanism of the North Equatorial Undercurrent: a numerical modeling study
P-G2-04	Steinke, Stephan	Multi-decadal to centennial-scale variability in Australia n-Indonesian monsoon intensity over the past two millennia
P-G2-05-S	Wang, Huawei	Carbon and Nitrogen Isotopic Records of Sedimentary Organic Matter from the Min-Zhe Mud Deposit on the East China Sea Continental Shelf: Implications for Paleoenvironmental Changes from the Late Glacial
P-G2-06-S	Zhu, Dongdong	Effect of changes in the Indian/African monsoon on the circulation, oxygen content and P cycling of Sapropel Intermediate Water (500-1800m) in Eastern Mediterranean
P-G3-01-S	Chen, Biao	Biogeography of coral endosymbionts in the genus <i>Symbiodinium</i> in the South China Sea and its adaptive potential to climate change
P-G3-02-S	Cybulski, Jonathan	Unraveling nutrient assimilation into the coral skeletal organic matrix has implications for historical interpretations
P-G3-03-S	Li, Kangkai	Responses of coral-associated bacterial communities to thermal Stress

No.	Presenter	Poster Title
P-G3-04	Li, Xiaohua	Monthly-resolved coral barium isotopic records in the South China Sea and its paleoceanographic implication
P-G3-05-S	Qin, Yeman	Sea-level changes and reef development of the Paracel Islands (South China Sea) since 7900 y BP
P-G3-06-S	Yao, Qiucui	The gut bacterial community composition of sea urchins and potential linkages to host's feeding behavior in coral reefs
P-G3-07	Sheng, Huaxia	Nitrogen fixation and transfer of diazotroph derived nitrogen (DDN) in coral reef system
P-G3-08-S	Wang, Adam	Effects of elevated temperature and eutrophication on <i>Acropora samoensis</i>
P-G3-09-S	Wang, Chenying	Effects of Elevated Temperature on the Stony Coral <i>Pocillopora damicornis</i>
P-G3-10-S	Chen, Jiubin	Zinc isotopic fractionation during natural inorganic carbonate precipitation
P-G3-11-S	Yu, Liying	Transcriptomic responses to thermal stress and varied phosphorus conditions in <i>Symbiodinium kawagutii</i>
P-G3-12-S	Zhao, Shuimaio	Altered immune landscape and disrupted coral- <i>Symbiodinium</i> symbiosis in the scleractinian coral <i>Pocillopora damicornis</i> by <i>Vibrio coralliilyticus</i> challenge
P-G3-13-S	Qin, Zhenjun	Diversity of coral-associated <i>Symbiodinium</i> in 15 reef coral species and its potential adaptive strategy to thermal stress in the tropical South China Sea
P-G3-14-S	Liao, Zhiheng	Indication of macroalgae on the degeneration of coral reefs in the South China Sea
P-GS-01-S	Chen, Chang	Diel Vertical Distribution of Plankton in Yongle Blue Hole, Xisha Islands, South China Sea
P-GS-02-S	Zhang, Di	Photosynthetic responses of the red alga <i>Pyropia yezoensis</i> to UV and CO ₂ -induced seawater acidification
P-GS-03-S	Huang, Ruiping	The variation in responses of different <i>Phaeodactylum tricornutum</i> strains to ocean acidification
P-GS-04-S	Li, Jianlong	Development of an eDNA method for monitoring fish communities: ground truthing in diverse lakes with characterised fish faunas
P-GS-05-S	Li, Tangcheng	Eukaryotic plankton diversity in northern South China Sea
P-GS-06-S	Lian, Jie	Screening bacteria and accessing effects on the microalga <i>Nannochloropsis</i> sp. CCAP211/78
P-GS-07-S	Qu, Liming	Light-Modulated Responses of Growth and Photosynthetic Performance to Ocean Acidification in the <i>Thalassiosira weissflogii</i>
P-GS-08-S	Liu, Yanting	The Evolution of Photosynthesis Gene Clusters in Plasmids
P-GS-09-S	Sun, Jiazhen	A double whammy: ocean hypoxia and acidification interact to influence diatom physiology
P-GS-10-S	Wang, Tifeng	Insensitivities of a subtropical productive coastal plankton community and trophic transfer to ocean acidification: results from a microcosm study
P-GS-11-S	Jiang, Xiaowen	Response of growth and photosynthesis of <i>Gephyrocapsa oceanica</i> to different nitrate availability under fluctuating natural solar light

No.	Presenter	Poster Title
P-GS-12-S	Yi, Xiangqi	Thermal plasticity of nitrogenase activity in <i>Trichodesmium erythraeum</i> IMS 101
P-GS-13	Zhuang, Yunyun	Effects of fixation and storage on DNA preservation of copepods and their gut content
P-M1-01-S	Ding, Ruibin	Temporal and spatial variations of cross-shelf nutrient exchange in the East China Sea, as estimated by satellite altimetry and in situ measurements
P-M1-02-S	Hamzah, Faisal	Carbonate chemistry along the main routes of the Indonesian throughflow
P-M1-03-S	He, Zhiwei	Controls on molybdenum and uranium isotopic signatures in pore waters and sediments on continental margin off Namibia
P-M1-04-S	Herath Pathirannehelage, Kanchana Priyadarshani	Spatial variability in nutrients and phytoplankton biomass in eastern Indian Ocean during spring inter-monsoon
P-M1-05	Hui, Chiwing	Interpretation of ocean circulation by Adjusted Layer Integrated Vorticity Equation (ALIVE)
P-M1-06-S	Kong, Jie	Deterministic and neutral processes in shaping planktonic and benthic microeukaryotes in the intertidal zones of southeast Fujian, China
P-M1-07-S	Kao, Kaijung	Effects of a typhoon on the carbonate system in the Southern East China Sea
P-M1-08-S	Li, Changlin	Viral impact on the growth and mortality of picophytoplankton in the South China Sea, during summer
P-M1-09-S	Li, Xinyu	Distribution and changes of pH along the East Coast of USA
P-M1-10-S	Liu, Jing	Characteristics of the East China Sea shelf carbonate system in the early summer
P-M1-11	Liu, Xin	Temporal and spatial patterns of phytoplankton: comparison between the East China Sea and the South China Sea
P-M1-12-S	Ma, Lingqi	Dynamics of daily nitrate assimilation in the two contrast time-series stations in the northern South China Sea during summer
P-M1-13-S	Ma, Yifan	Vertical structure of ²³⁴ Th deficit in the euphotic zone of the oligotrophic South China Sea
P-M1-14	Niu, Li	Enhanced dissolution of carbonate shells driven by methane seep activity in the South China Sea
P-M1-15-S	Roberts, Elliott	Anthropogenic Carbon in the northern South China Sea basin
P-M1-16	Sun, Xiaole	Early Diagenesis of Silica in the Arctic Ocean Sediments Inferred by Porewater Stable Si Isotopes
P-M1-17-S	Tang, Yao	Variability of the Cyclonic-Anticyclonic-Cyclonic circulation in the South China Sea
P-M1-18-S	Xu, Yuanyuan	Northwest Atlantic coastal acidification under climate change
P-M1-19-S	Yang, Wei	Dynamics of the carbonate system on the shelf of northern South China Sea
P-M1-20-S	Shang, Yiwei	Regulation mechanism of phytoplankton community on Particulate Organic Carbon export based on sediment trap in northern South China Sea

No.	Presenter	Poster Title
P-M1-21-S	Gu, Yuanyuan	Intra-seasonal variability of the high chlorophyll-a concentration strip in the western South China Sea in summer 2000
P-M1-22-S	Zhao, Xiufeng	Lateral transport of particulate organic carbon constrained by radionuclides (210Po, 210Pb and 234Th) in the northeastern South China Sea
P-M1-23-S	Zhong, Yanping	Phytoplankton community response to coastal upwelling events during the different stages in the northeastern South China Sea
P-M2-01-S	Chen, Jing	Distribution and influence factors of dissolved manganese in the Western Pacific Ocean
P-M2-02-S	Xie, Le	Viral module optimizes marine biogeochemical model performance
P-M2-03	Luo, Ya-Wei	Reduced nitrogenase efficiency dominates response of the globally important nitrogen fixer <i>Trichodesmium</i> to ocean acidification
P-M2-04	Marra, John	The compensation depth in the open ocean
P-M2-05-S	Wang, Chao	DOM dynamics in the Low-latitude Western Boundary Current System: insights from optical analyses
P-M2-06-S	Wang, Lice	A Modelling Study on a Ciliate, <i>Synechococcus</i> and heterotrophic bacterial System
P-M2-07-S	Yuan, Zhongwei	Diel variations of nutrients in the oligotrophic ocean
P-M2-08-S	Zuo, Haoyue	Correlation analyses of marine nitrogen fixers and dissolved iron in the global ocean
P-M3-01	Chen, Meixiang	Sea level variation in the Arctic Ocean in the past 30 years
P-M3-02-S	Gu, Mingyi	Possible role of Arctic surface climate systems in 2018 heatwave
P-M3-03-S	Li, Min	Circulation of the Chukchi Sea shelfbreak and slope from moored timeseries
P-M3-05-S	Wei, Jianfen	Impacts of extratropical storm tracks on Arctic sea ice export through Fram Strait
P-M3-06	Wu, Yang	The relative roles of atmospheric and oceanic processes in driven the progressive deepening of winter convection in the Labrador Sea from 2012 to 2016
P-M3-07	Zhao, Jian	Mesoscale eddies modulate meridional heat flux variability in the subpolar North Atlantic
P-M4-01	Song, Guixue	Comparison of dissolved organic matters isolated from resin-in-tandem and electro dialysis coupled with reverse osmosis techniques.
P-M4-02	Guo, Cui	Respiration and carbon dynamics of free-living and particle-attached bacteria in coastal waters of NE Pacific
P-M4-03	Cai, Haiyuan	Importance of Bacteria within Cyanobacterial Bloom Aggregates in a Freshwater Lake
P-M4-04	Yu Kefu	Community diversity versus predictive functional profiles of bacteria associated with scleractinian corals in the South China Sea
P-M4-05-S	Liang, Jinjia	Oxidation of dissolved organic carbon by low-wattage ultraviolet irradiation for isotopic analysis
P-M4-06	Shi, Quan	Standard method development for dissolved organic matter characterization by high resolution mass spectrometry
P-M4-07-S	Huang, Bangqin	Picoeukaryotic diversity and activity in the northwestern Pacific Ocean based on DNA and RNA high-throughput sequencing

No.	Presenter	Poster Title
P-M4-08	Zhang, Ruiyong	Surface properties and EPS characterization of <i>Ferroplasma acidiphilum</i> : an extremely acidophilic and cell wall-lacking archaeon
P-M4-09	Zheng, Qiang	Marine microbially-mediated transformations of phytoplankton-derived LDOC into RDOC
P-M5-01-S	Ge, Lianghao	Stoichiometry of marine nitrogen functional microbe by using stable isotope probing based Raman spectroscopy at single-cell level
P-M5-02-S	Jiao, Lijing	Significant Microbial Nitrogen Loss in the Land-Sea Interface of Low Permeable Sediments
P-M5-03	Lin, Xianbiao	Analytical techniques and applications for quantifying $^{15}\text{NO}_3^-$ in isotope-enrichment experiments using a membrane inlet mass spectrometer
P-M5-04-S	Ling, Chen	The transformation processes of ammonium at the Pearl River Estuary in summer
P-M5-05	Liu, Qian	Spatial variability of turnover rates of polyamines and dissolved free amino acids in the ocean
P-M5-06-S	Wan, Ru	Effects of antibiotics on multiple nitrogen transformation processes in aquatic environments
P-M5-07-S	Wu, Jiapeng	Higher diversity of anammox bacteria in the deep-sea surface sediments of South China Sea than previously known
P-M5-08-S	Wu, Siqi	Isotope constraints on the forming mechanism of Primary Nitrite Maximum (PNM) in the South China Sea
P-M5-09-S	Xie, Haitao	Nitrogen loss by denitrification and anammox in sediments of Daya Bay, China
P-M5-10-S	Yu, Dan	Nitrogen cycling in the Jiulong River Estuary evidenced from the stable isotopes ratios of dissolved inorganic nitrogen
P-M5-11-S	Zhang, Futing	Effects of Ocean Acidification on <i>Trichodesmium</i> IMS101 under Phosphorus Limited Condition
P-M5-12-S	Zhou, Yutong	Salinity effect on nitrification efficiency and N_2O production pathway in eutrophic estuarine
P-OB-01-S	Bao, Senliang	Comparison of surface salinity products from SMOS, Aquarius and SMAP satellites
P-OB-02-S	Deng, Yao	Determination of Trace Dissolved Reactive Phosphorus and Chromium (VI) with an Integrated Syringe-Pump-Based Environmental-Water analyzer (iSEA) Coupled to a Liquid Waveguide Capillary Cell
P-OB-03-S	Li, Peicong	Research on the indophenol method for the determination of ammonium in natural waters using o-phenylphenol
P-OB-04-S	Lu, Jianglong	On-site and rapid detection of tropane alkaloids in drinking water by Surface-enhanced Raman Spectroscopy
P-OB-05-S	Tian, Xifan	Isotope insights for the trophic ecology of vent crabs in shallow hydrothermal system
P-OB-06-S	Huang, Weihao	Sediment transport in a plume to plume interaction area of Lingdingyang Estuary
P-OB-07-S	Yan, Hengqian	Improved Multi-Fractal Fusion Method to Blend SMOS Sea Surface Salinity based on Semi-Parametric Weight Function

No.	Presenter	Poster Title
P-OB-08-S	Yin, Wenbin	Short-Term Variations in the Surface Upwelling off Northeastern Taiwan Observed via Satellite Data
P-OB-09-S	Zhang, Rui	Forecasting the sea ice drift in the Liaodong Bay using GOCI data
P-OB-10-S	Zhang, Yueqi	Towards measuring air-sea interface parameters within an eddy
P-OB-11	Zhang, Shenghui	Effects of elevated pCO ₂ on DMS release from bacterial perspective
P-P1-01-S	Chen, Nan	Similarity and Difference in Interannual Sea-Level Variations Between the New York and Nova Scotia Coasts
P-P1-02-S	Dezhi, Chen	Dynamic and geomorphic process in a transition zone of salt marsh and mudflat
P-P1-03-S	Guang, Zhang	Riverine sediment transport from different outlets in the Pearl River Estuary
P-P1-04-S	Huang, Jingzheng	Investigation into the spatial and temporal tide-river dynamics and the underlying controlled factors in the Yangtze estuary
P-P1-05-S	Hui, Sheng	Variations in water and sediment discharge in rivers along the east coast of the Liaodong Peninsula over the last millennium
P-P1-06	Lai, Wenfeng	Assimilating remote sensing and in situ observations into a coastal ocean model using ensemble optimal interpolation
P-P1-07-S	Li, Yuan	Differentiating the effects of advection and resuspension on suspended sediment concentrations in a turbid estuary
P-P1-08-S	Lin, zhongyuan	Intraseasonal and interannual variabilities of saltwater intrusion during dry seasons and the associated driving forcings in a partially mixed estuary
P-P1-09-S	Liu, Changjie	Impact of Human Activities on the Hydrodynamics Regime in the Pearl River Delta During the Flood Season
P-P1-10-S	Lu, Runqing	Adjustment of Changjiang River plume front during downwelling-favorable wind events
P-P1-11-S	Tang, Jieping	the effect of high suspended sediment concentration on bed roughness and shear velocity
P-P1-12-S	Tsang, Wai Pang	Numerical modelling of sub-mesoscale processes in a coupled estuary-shelf system off Hong Kong
P-P1-13-S	Wang, Peixuan	The Response of Phytoplankton Mortality to Ocean Acidification in Subtropical Eutrophic Bay
P-P1-14-S	Yang, Hao	Quantifying the alteration of residual water level caused by the human interventions in the Modaomen estuary of the Pearl River, China
P-P1-15	You, Yanchun	Characterization and expression profiling of trypsin in <i>Phaeodactylum tricornutum</i>
P-P1-16-S	Chen, Yuanjie	Influences of sea-level rise on tides in the East China Seas
P-P1-17-S	Huang, Silong	Vegetation Competition Observed by High Resolution Remote Sensing Images Within an Estuarine Saltmarsh
P-P1-18	Jia, Jianjun	Naturally restored coastline: definition and examples
P-P1-19	Yu, Xuan	Coupled surface-subsurface modeling of fresh submarine groundwater discharge of an island in the Mediterranean Sea
P-P2-01-S	Chen, Biao	Ocean Salinity as a Predictor of Summer Rainfall over East Asian Monsoon Region

No.	Presenter	Poster Title
P-P2-02-S	Li, Guancheng	Examining the pattern of salinity change at upper Pacific Ocean during the Argo Period
P-P2-03-S	Hui, Cai	The relationship between the East Asian summer rainfall and Ross Sea Ice Concentration(SIC)
P-P2-04	Li, Jianghui	Integrated Leakage Monitoring of Marine Carbon Storage
P-P2-05	Li, Xinyu	Subseasonal Change in the Seesaw Pattern of Precipitation between the Yangtze River Basin and the Tropical Western North Pacific during Summer
P-P2-06	Mahmood, Rashed	Arctic sulfate aerosol and cloud sensitivity to changes in future surface seawater dimethylsulfide concentrations
P-P2-07-S	Qin, Mingyue	A comparison of two cold events in 2008 and 2018 winter
P-P2-08-S	Guoqing Jiang	A deep learning algorithm of neural network for the parameterization of typhoo-ocean feedback in typhoon forecast models
P-P2-09	Shao, Xiaolu	A possible mechanism for the impacts of the Madden-Julian Oscillation on the North Atlantic Oscillation
P-P2-10	Jiang, Wenping	Weakening of Northwest Pacific anticyclone anomalies during post-El Nino summers under global warming
P-P2-11	Xu, Kang	Roles of tropical SST patterns during two types of ENSO in modulating wintertime rainfall over southern China
P-P2-12	Zhang, Rongwang	On the simulations of global oceanic latent heat flux in CMIP5 multi-model ensemble
P-P3-01	Dong, Jihai	Impacts of mesoscale currents on the critical latitude dependence of internal tides
P-P3-02-S	Gao, Yang	Fourier power spectrum of ocean data missing or irregular sampling
P-P3-03	Guan, Yuping	Striations in Marginal Seas and the Mediterranean Sea
P-P3-05-S	Wu, Wenwei	Direct numerical simulation of chemical reactions in homogeneous isotropic turbulence
P-P3-06-S	Yang, Wei	Modification of parametric subharmonic instability in the presence of background geostrophic currents
P-P3-07	Yang, Zixuan	Numerical Study of Atmospheric Turbulence over Ocean Waves
P-P3-08-S	Zheng, Zhihua	The Turbulent Vertical Kinetic Energy under Tropical Cyclone
P-P4-02-S	Huang, Xia	SST front anchored mesoscale feature of surface wind in the southern Indian Ocean
P-P4-03-S	Chen, Huanhuan	Wind-driven SST fronts and its seasonal variability in the southeast Brazil
P-P4-04	Ma, Mengyao	Eddy-induced cross-slope exchange in the northwestern Black Sea
P-P4-05-S	Huang, Ting	Dipole eddies in the Mozambique Strait and Ecological implications
P-P4-06-S	Zhu, Wenjun	High-resolution cross-frontal observations in the Taiwan Strait
P-P4-07	Wang, Yuntao	Impact of Mesoscale Eddies on Chlorophyll Variability off the Coast of Chile
P-P4-08	Feng, Yang	Seasonal response of river plume to freshwater discharge in river-dominated ocean margins: a multi-salinity products analysis and inter-regional comparison
P-P5-01	Chen, Xiao	Interannual Modulations of the 50-day Oscillations in the Celebes Sea: Dynamics and Impact

No.	Presenter	Poster Title
P-P5-02-S	Hou, Zhaolu	Asymmetry of the predictability limit of the warm ENSO phase
P-P5-03	Kim, Seung-Kyu	Atmospheric fall-out of microplastics: comparison of remote island and coastal urban area
P-P5-04-S	Liu, Junyi	Atmospheric trace elements over China Seas: distribution and sources
P-P5-05-S	Liu, Yayong	Spatial distribution and impact factors of atmospheric trace elements over the Yellow Sea, East China Sea and Northern Pacific during spring
P-P5-06-S	Sun, Runnan	Contrasting impacts of two types of El Nino on the yield of early rice in Southern China
P-P5-07-S	Wang, Yaqi	Contrasting ocean circulation features associated with two types of La Nino a during the seasonal evolution
P-P5-08-S	Xue, Jiaqing	South-Atlantic-forced multidecadal teleconnection to the mid-latitude South Indian Ocean
P-P5-09-S	Zhang, Yazhou	Impact of the South China Sea Summer Monsoon on the Indian Ocean Dipole
P-P5-10-S	Chen, Kaqi	Spatial and temporal distribution of global atmospheric energy and its variation trend analysis
P-P5-11-S	Hartlipp, Paul	In Search of ... Wind
P-SPS1-01	Shu, Huilin	Automated determinations of pH and carbonate ion concentrations in seawater
P-SPS1-02-S	Li, Qiu	Development of an underway instrument for accurate measurement of seawater total alkalinity
P-SPS1-03-S	Pei, Junxian	Development of an osmotic sampler for time-series sampling of nutrients in surface water
P-SPS1-04-S	Lin, Kunning	An automatic reserve flow injection method using vanadium (III) reduction for simultaneous determination of nitrite and nitrate in estuarine and coastal waters
P-SPS1-05-S	Li, Peicong	Research on the indophenol method for the determination of ammonium in natural waters using o-phenylphenol
P-SPS1-06	Ma, Jian	Determination of Trace Dissolved Reactive Phosphorus and Chromium (VI) with an Integrated Syringe-Pump-Based Environmental-Water analyzer (iSEA) Coupled to a Liquid Waveguide Capillary Cell
P-SPS1-07	Huang, Yongming	Development and application of an automated analyzer for determination of iron in seawater by on-line chelating resin concentration and chemiluminescence detection
P-SPS1-08-S	Jin, Xu	Development of an integrated universal hardware and software platform for flow analysis instruments
P-SPS1-09-S	Maringa, Donald	Allometric equations for determination of above ground biomass and carbon in mangroves, <i>Rhizophora mucronata</i> Lam., in Gzai Bay, Kenya
P-SPS2-01	Jiao, Nianzhi	Hydrosphere Microorganism Program: Regulating mechanisms and environmental effects of microbes on carbon sequestration and source in typical seas of China

No.	Presenter	Poster Title
P-SPS2-02-S	Deng, Wenchao	Differential incorporation of one-carbon substrates among microbial populations identified by stable isotope probing from the estuary to South China Sea
P-SPS2-03-S	Han, Yu	The patterns of DOM transformation and utilization by heterotrophic bacteria in phytoplankton bloom revealed by proteomic and metabolomic analyses.
P-SPS2-04-S	Hou, Lei	Niche differentiation of ammonia and nitrite oxidizers along a salinity gradient from the Pearl River estuary to the South China Sea
P-SPS2-05-S	Li, Chenglong	Decomposing monthly declines of subsurface-water aragonite saturation state from spring to autumn in the North Yellow Sea
P-SPS2-06-S	Li, Ran	The diversity and distribution of active protistan assemblages along an estuary to basin transect of the northern South China Sea
P-SPS2-07-S	Chen, Xiaofeng	Metabolism of 2,3-dihydroxypropane-1-sulfonate, an important marine organic sulfur, by marine bacteria
P-SPS2-08-S	Liu, Daixi	Synechococcus sp. PCC7002 uses sulfide: quinone oxidoreductase to tolerate sulfide and intense light
P-SPS2-09-S	Wei, Yanran	Utilization of D-amino acids by marine Thaumarchaeota Nitrosopumilus maritimus SCM1
P-SPS2-10	Xu, Dapeng	Pigmented microbial eukaryotes fuel the deep sea carbon pool in the tropical Western Pacific Ocean
P-SPS2-11-S	Li, Yufang	Coupled carbon, sulfur, and nitrogen cycles mediated by microorganisms in the water column of a shallow-water hydrothermal ecosystem
P-SPS2-12-S	Zhan, Peiwen	Carbon dioxide sequestration by metabolically diverse marine bacteria for production of bioplastics
P-SPS2-13	Wang, Rui	D-amino acids are refractory for marine bacteria
P-SPS3-01	Dai, Minhan	Carbon cycle in South China Sea - budget, controls and global implications (CHOICE-C II) : An overview
P-SPS3-02	Cao, Zhimian	Diagnosis of CO ₂ fluxes in global coastal oceans
P-SPS3-03	Guo, Xianghui	Partial pressure of CO ₂ and air-sea CO ₂ fluxes in the South China Sea-Update and synthesis
P-SPS3-04	Wang, Guizhi	Error analysis of gridded pCO ₂ in the South China Sea
P-SPS3-05	Liu, Haoran	Seasonal variation of primary production in the northern South China Sea: integrated effects of drivers
P-SPS3-06-S	Li, Teng	Satellite-based estimation of particulate organic carbon export in the northern South China Sea
P-SPS3-07-S	Sun, Jun	The study of phytoplankton sinking rate in the South China Sea
P-SPS3-08-S	Liu, Kailin	Assessment of the (de)coupling between phytoplankton growth and microzooplankton grazing in the euphotic layer in the South China Sea
P-SPS3-09	Kao, Shuh-Ji	Impact of Kuroshio Current intrusion on N dynamics and the subsequent C cycling in the northern South China Sea
P-SPS3-10	Lu, Zhongming	Nutrient transport and dynamics in the South China Sea: A modeling study
P-SPS3-11	Cheng, Peng	Modeling age of Kuroshio water in the South China Sea

No.	Presenter	Poster Title
P-SPS3-12	Hu, Jianyu	Progress on dynamical modulation, simulation and variation trend of the carbon cycle in the South China Sea
P-SPS4-01	Gan, Jianping	Progress on the Study of Ocean Circulation, Ecosystem and Hypoxia around Hong Kong Waters (OCEAN_HK)
P-SPS4-02-S	Liu, Jing	Dynamics of ammonium in the Pearl River Estuary under summer hypoxic conditions
P-SPS4-03-S	Zhao, Yangyang	Eutrophication-enhanced acidification in a large subtropical estuary system: the Pearl River Estuary
P-SPS4-04	Thibodeau, Benoit	Nitrogen isotopes in a complex urbanized marine environment
P-SPS4-05-S	Yau, Yu Yan	The role of atmospheric deposition in the generation of eutrophication, hypoxia and harmful algal bloom in Hong Kong
P-SPS4-06-S	Shi, Zhiyuan	The spatial distribution of mesozooplankton biomass, abundance and size spectra in response to hypoxia in the Pearl River estuary
P-SPS4-07-S	Chen, Fangzhou	Microbiological evaluation of anthropogenic pollution in Pearl River Estuary and the adjacent South China Sea
P-SPS4-08	Sato, Mitsuhide	Expanding bottom hypoxia in the Pearl River Estuary and its possible mechanism as inferred from dynamics of plankton communities
P-SPS4-09	Tsui, Mirabelle M.P.	Occurrence, distribution and risk of contaminants of emerging concern in marine ecosystem of the South China Sea
P-SPS4-10	Wu, Jiajun	Harmful algal blooms (HABs) and their impact-Case study on hypoxia zone in Pearl River Estuary
P-SPS4-11	Liu, Zhiqiang	Numerical active open boundary conditions for tidally and subtidally forced estuarine-shelf circulation
P-SPS4-12	Lu, Zhongming	Joint effects of extrinsic biophysical fluxes and intrinsic hydrodynamics on the formation of hypoxia west off the Pearl River Estuary
P-SPS4-13-S	Xiao Feng	Integration of catchment model and river delta network for improving simulation of fresh water discharges from outlets to estuary: a case study of Pearl River Delta and Estuary
P-SPS5-01	Huang, Bangqin	MARine CarbOn sequestration in marginal sea ecosystems (MARCO): multiscale regulation and response to global changes-Overview and Progress
P-SPS5-02-S	Liu, Haoran	Controlling mechanism of size-specific photosynthetic parameters of phytoplankton in the Taiwan Strait
P-SPS5-03	Lu, Wenfang	The modulation of nonlinear circulation to the biological productivity in the summer Vietnam upwelling system
P-SPS5-04	Yang, Lei	Diel patterns of variable fluorescence and carbon fixation of picocyanobacteria Prochlorococcus-dominated phytoplankton in the South China Sea basin
P-SPS5-05-S	Yang, Lei	Assessment of primary production in the South China Sea: A comparison of fast repetition rate fluorometry and ¹⁴ C measurement
P-SPS5-06-S	Ge, Ruping	Metabarcoding reveals the diel vertical distribution and metabolic activity of mesozooplankton in the northern South China Sea

No.	Presenter	Poster Title
P-SPS5-07	Sun, Ping	An integrative approach reveals an unexpected high diversity and distinct community structure of ciliates in mesopelagic water of the northeastern South China Sea
P-SPS5-08-S	Wang, Jierui	Rhodopsin gene polymorphisms of dinoflagellates in the Taiwan Strait and South China sea
P-SPS5-09-S	Duan, Ran	Physiological and molecular responses of trichodesmium erythraeum IMS101 involved in acclimatization to iron deficiency
P-SPS5-10	Li, Xiangfu	Spatiotemporal variability in bacterial metabolic activity in the Pearl River Estuary: Influence of the river discharge
P-SPS5-11-S	Peng, Jiang	Use of ESI-FTICR-MS to characterize dissolved organic matter in Luzon Strait
P-SPS5-12	Ye, Feng	Stable isotope composition and turnover of organic carbon in the upper reach of the Pearl River Estuary
P-SPS5-13	Wei, Gangjian	Carbon burial in the northern South China Sea in response to climate change and ocean acidification since the last 2 ka
P-SPS6-01	Xie, Xin	The South China Sea Deep
P-SPS6-02	Jiao, Nianzhi	Integrated study on biological carbon sequestration mechanisms in the South China Sea
P-SPS6-03	Liu, Zhiqiang	Three-dimensional pathways of water masses in the South China Sea: a modeling study
P-SPS6-04	Guo, Xianghui	Comparative study of carbonate system and oxygen in the northern and southern South china Sea Basin
P-SPS6-05	Wang, Xuchen	Cycling of DIC and DOC in the deep South China Sea as revealed from their radiocarbon ages
P-SPS6-06	Wang, Fengping	S-MCT: Microbially mediated carbon transformation in marine sediments
P-SPS6-07	Feng, Dong	Cold seep systems in the South China Sea: An overview
P-SPS6-08-S	Wu, Feng	Carbonate factory turnovers influenced by the Monsoon (Xisha Islands, South China Sea)
P-SPS6-09	Tian, Jun	Neodymium isotopic evidence of abruptly intensified Deep South China Sea overflow and gradually strengthened East Asian Monsoon in the Plio-Pleistocene
P-SPS6-10	Guo, Zhen	International Ocean Discovery Program expeditions 349, 367 and 368 explore the initiation of the South China Sea
P-SPS6-11	Sun, Zhen	New constraints from macrostructure analysis of IODP Expedition 349 core samples and geophysical data: Implications on the latest spreading history of the South China Sea
P-SPS6-12	Zhao, Minghui	The configuration of the South China Sea oceanic domain at the end of spreading
P-SPS6-13	Yu, Youqiang	Crustal and mantle structure of the Indochina Peninsula and its implications for the tectonic evolution of the South China Sea
P-SPS6-14	Zhou, Zhiyuan	Geodynamic modeling of mantle evolution of the South China Sea and surrounding subduction systems

Note: IDs that end with -S are posters presented by graduate students.

Notes

A series of horizontal dotted lines for writing notes.

XMAS-IV Evaluation

Select one:

Professor Student Post-Doc Technician Other (Please specify)

Please indicate your overall satisfaction with this meeting.

	Very Satisfied	Somewhat Satisfied	Neutral	Somewhat Dissatisfied	Very Dissatisfied
Conference content					
Registration process					
Venue					
Food and Beverage					

Please indicate your overall satisfaction with this meeting.

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
I was notified of the meeting requirements in a timely fashion.					
Overall, the meeting was run on time/schedule.					
The agenda/schedule was clear and concise.					
Information was presented clearly by organizers during the meeting.					
The poster session was well organized.					
The meeting website was kept up-to-date and easy to use.					
I was given ample opportunities to network.					
It was worth my time to attend this meeting.					
I would be interested in attending future meetings hosted by MEL.					

1.What went well at this meeting?

2.What can we improve for future meetings?

3.Which sessions/topics would you like to see included in the future?

4.Additional comments:

**Note: Please return this questionnaire to the information desk in the lobby by 17:30 Jan.
9. Thank you!**

Thank You

© Hidden Ocean Expedition

XMAS-IV would like to thank all our generous partners and sponsors, whose contributions help support the symposium:

