

June 16, 2019 (Sunday)

Time	Activity/ Presentation Title	Speaker
10:00-20:00	Registration (First Floor, Grand Kingtown Hotel Wuxi)	

June 17, 2019 (Monday)

Venue: Langting Hall(朗廷厅), Third Floor, Grand Kingtown Hotel Wuxi

Time	Activity/ Presentation Title	Speaker
08:00-08:30	Registration (First Floor, Grand Kingtown Hotel Wuxi)	
08:30-08:40	Opening Ceremony	
Session 01: Circulation and Dynamics Co-Chairs: Tal Ezer, Lie-Yauw Oey		
08:40-09:00	Keynote: Can models simulate the Kuroshio intrusion northeast of Taiwan?	Dong-Ping Wang
09:00-09:15	Influence of Abyssal Mixing on the Multi-Layer Circulation in the South China Sea	Huijie Xue
09:15-09:30	Buoyancy effect on the winter South China Sea western boundary current	Yunwei Yan
09:30-09:45	Surge modeling in the Western South Atlantic: the interaction between tides and sea level pressure	Ricardo de Camargo
09:45-10:00	The Tidal Effects on the Upper Sea Temperature Cooling Northeast off the Hainan Island	Yineng Li
10:00-10:30	Group Photo & Tea Break	
Session 01: Circulation and Dynamics Co-Chairs: Huijie Xue, Yuwu Jiang		
10:30-10:45	On unusual shifts in “hotspots” of accelerated sea level rise along the U.S. East Coast	Tal Ezer
10:45-11:00	The Model Bias of Eddy Kinetic Energy in the Labrador Sea Induced by Wind Forcing Frequency	Weiwei Zhang
11:00-11:15	The life-cycle of annual waves in the Indian Ocean as identified by a seamless diagnosis for the energy flux	Zimeng Li
11:15-11:30	Interannual Variability of Eddy Kinetic Energy in the Subtropical Southeast Indian Ocean Associated With the El Niño - Southern Oscillation	Shaojun Zheng
11:30-11:45	The Indonesian Through Flow (ITF) and the Circulation in the Banda Sea: A Modeling Study	Linlin Liang
11:45-13:30	Lunch Break Venue: Western Restaurant (西餐厅), First Floor, Grand Kingtown Hotel Wuxi	

Time	Activity/ Presentation Title	Speaker
Session 01: Circulation and Dynamics Co-Chairs: Fei Chai, Tsubasa Kodaira		
13:30-13:45	A Coupled Circulation-Ice Modelling System for the Eastern Canadian Shelf based on ROMS and CICE	Jinyu Sheng
13:45-14:00	The impact of high-frequency atmospheric forcing on the Yellow Sea Warm Current and warm water intrusion during winter	Yang Ding
14:00-14:15	The generation mechanism of storm surge in the Arctic Ocean and preliminary assessment of the impact of global warming	Keita Nishizawa
14:15-14:30	Reconstructing the Ocean Interior from High-Resolution Sea Surface Information	Lei Liu
14:30-14:45	A machine learning method and its application in studying oceanic heat content and transport	Wenfang Lu
14:45-15:05	Tea Break	
Session 07: Data assimilation and Ocean forecast systems Co-Chairs: Dong-Ping Wang		
15:05-15:20	Resolving the regional (South China Sea) circulation by global and regional models	Jianping Gan
15:20-15:35	Improving the Marine Forecasting of the Northern South China Sea by Real-time Assimilation of T/S Profiles from the China-made Underwater Gliders	Shiqiu Peng
15:35-15:50	Real time modeling of ocean circulation around Japan and 2018-2019 Kuroshio large meander	Sergey Varlamov
15:50-16:05	Engineering Water Level in Pearl River Estuary Based on Modeling of Storm Surges during 1993~2013	Xiaofeng Lv
16:05-17:30	Poster Session	
18:30-20:30	Welcome Banquet Venue: Langting Hall(朗廷厅) ,Third Floor, Grand Kingtown Hotel Wuxi	

June 18, 2019 (Tuesday)

Venue: Langting Hall(朗廷厅), Third Floor, Grand Kingtown Hotel Wuxi

Time	Activity/ Presentation Title	Speaker
Session 04: Climate Dynamics and Processes Co-Chairs: Yonggang Liu , Yign Noh		
08:30-08:50	Keynote: Malay Archipelago deforestation and its far-reaching impact on monsoon climate	Leo Oey
08:50-09:05	Does warm ocean eddy favor rapid intensification of tropical cyclone?	Shih-Ming Huang
09:05-09:20	Modeling seasonal and interannual variability of Great Lakes ice cover using FVCOM+ice model	Jia Wang
09:20-09:35	Influence of the improved ocean mixed layer process in the climate model	Hyejin Ok
Session 02: Coastal Modeling Co-Chairs: Ricardo de Camargo, Wei Jun		
09:35-09:50	Role of river inflows from Kamchatka Peninsula in the Okhotsk Sea	Toru Miyama
09:50-10:05	Mesoscale eddies on the eastern Sakhalin Shelf of the sea of Okhotsk based on eddy-resolving numerical simulations	Dmitry Stepanov
10:05-10:25	Tea Break	
10:25-10:40	Numerical Modelling of the Sydney Harbour Estuary, New South Wales: Lateral Circulation and Asymmetric Vertical Mixing	Xiao Hua Wang
10:40-10:55	German Bight estuaries: An inter-comparison on the basis of numerical modeling	Benjamin Jacob
10:55-11:10	Geomorphological model of sea level and land surface interaction provides solution for underground water arsenic pollution in Yangtze Plain	Zhongping Lai
11:10-11:25	Multi-scale variation characteristics of the shear front off the Yellow River Mouth and its related mechanism	Nan Wang
11:25-11:40	The setup of the thermocline depth in the northern South China Sea	Fanghua Xu
11:40-11:55	Interaction of tidal flat and sediment dynamics in Hangzhou Bay, China	Li Li
11:55-13:30	Lunch Break Venue: Western Restaurant (西餐厅), First Floor, Grand Kingtown Hotel Wuxi	

Time	Activity/ Presentation Title	Speaker
Session 03: Air-sea Interaction Co-Chairs: Jia Wang, Shiqiu Peng		
13:30-13:45	GCOAST Model System: coupling of ocean and atmosphere through a dynamic wave interface	Joanna Staneva
13:45-14:00	Philippines - Taiwan Oscillations and its connection to tropical cyclone frequency in the western North Pacific Ocean	Yu-Lin Chang
14:00-14:15	Interdecadal variation of SST and its anomaly mechanism in the Taiwan Strait during winter	Yuwu Jiang
14:15-14:30	An atmosphere-wave regional coupled model over the East China Sea	Delei Li
14:30-14:45	Effect of Non-breaking surface wave on the El Niño-Southern Oscillation of the Last Glacial Maximum	Yonggang Liu
14:45-15:05	Tea Break	
Session 06: Coupled Bio-physical Ocean Studies Co-Chairs: Jianping Gan, Zhiyu Liu		
15:05-15:20	The Route to Spring Phytoplankton Blooms Simulated by Lagrangian Plankton Model	Yign Noh
15:20-15:35	Impacts of phytoplankton on clouds and climate via the sulfur cycle	Shanlin Wang
15:35-15:50	Simulation of seasonal nutrient, phytoplankton and oxygen dynamics in the Elbe estuary with SCHISM-ECOSMO	Johannes Pein
15:50-16:05	A simple mechanism for phytoplankton thin layer formation simulated by Large-eddy simulation	Ashley Brereton
16:05-16:20	Reproduction of iron-rich intermediate water in the Sea of Okhotsk by high resolution biogeochemical model	Hatsumi Nishikawa
16:20-18:00	Poster Session	

June 19, 2019 (Wednesday)

Venue: Langting Hall(朗廷厅), Third Floor, Grand Kingtown Hotel Wuxi

Time	Activity/ Presentation Title	Speaker
Session 05: Waves and turbulence Co-Chairs: Oliver Fringer, Xiao Hua Wang		
08:30-08:50	Keynote: An Analytical Theory of Oceanic Spectra	Boris Galperin
08:50-09:05	On Quantifying Turbulence in Wavy Aquatic Environment	Zhiyu Liu
09:05-09:20	Numerical modelling of the influence of wave-induced Stokes drift on sea surface temperature	Jian Shi
09:20-09:35	Quantifying Irreversible Mixing Using Contour Coordinates	Yu-Kun Qian
09:35-09:50	Fatigue damage assessment of offshore floating structures based on wave modelling in the North Sea and the detection of climate change effect	Tao Zou
09:50-10:05	Effects of extreme waves on the Pearl River Estuary during Typhoon Hato	Wenping Gong
10:05-10:25	Tea Break	
Session 06: Coupled Bio-physical Ocean Studies Co-Chairs: Boris Galperin		
10:25-10:40	Modelling salmon lice along the Norwegian coast	Lars Asplin
10:40-10:55	Seasonal and Interannual Variability of Areal Extent of the Gulf of Mexico Hypoxia from a Coupled Physical-Biogeochemical Model: A New Implication for Management Practice	Yang Feng
10:55-11:10	Moon jellyfish aggregations observed by scientific echo sounder and underwater video camera and its relation with internal waves	Xinyu Guo
11:30-13:00	Lunch Break	
	Venue: Western Restaurant (西餐厅), First Floor, Grand Kingtown Hotel Wuxi	

Time	Activity/ Presentation Title	Speaker
OYSA Session Co-Chairs: Yu-Lin Chang , Xiaomeng Huang		
13:00-13:15	A follow-up on storm surges modeling in the central coast of Mozambique	Alberto J. Bié
13:15-13:30	A simulation of the seasonal variation of decabromodiphenyl ether in a bay adjacent to the Yellow Sea	Aobo Wang
13:30-13:45	Ocean Salinity as a Precursor of Summer Rainfall over the East Asian Monsoon Region	Biao Chen
13:45-14:00	Response of a BGC model to parameterizations of light attenuation	Daniel Thewes
14:00-14:15	Seasonal and interannual variability of the subsurface velocity profile of the Indonesian Throughflow at Makassar Strait	Guoqing Jiang
14:15-14:30	Current structure on the Northern shelf of the Yellow Sea	Fan Lin
14:30-14:45	Pacific impact on interannual changes in the Makassar throughflow profile	Mingting Li
14:45-15:00	Tea Break	
Co-Chairs: Xinyu Guo, Fanghua Xu		
15:00-15:15	The impact of sea surface temperature on the zonal movement of the western Pacific subtropical high in boreal summer	Hong Li
15:15-15:30	Examining impacts of ocean currents on surface gravity waves over the northwest Atlantic Ocean	Shangfei Lin
15:30-15:45	Numerical investigation of local scour around a submerged inclined cylinder	Shaohua Wang
15:45-16:00	Observations of current shear front and its dynamic impact on suspended sediment concentration over the inner shelf of the East China Sea in winter	Shidong Liu
16:00-16:15	OpenArray: A Simple Operator Library for the Decoupling of Ocean Modelling and Parallel Computing	Xing Huang
16:15-16:30	Comparison of the Convective Boundary Layers of the Atmosphere and the Ocean Based - Effects of Langmuir Circulation and Inertial Oscillation	Yeonju Choi
16:30-16:45	Tea Break	

Co-Chairs: Sergey Varlamov, Shanlin Wang

16:45-17:00	Deep learning predicts ENSO	Yue Chen
17:00-17:15	Two faces of ENSO-induced surface waves during the tropical cyclone season	Yuchun Lin
17:15-17:30	The impact of sea-level rise on the tides and tidal power distribution	Yugeng Chen
17:30-17:45	The impacts of wave-current interactions on the detachment of low salinity water in the Changjiang Estuary in summer	Zhipeng Jiang
17:45-18:00	Sources, transport and distribution of DIC, DOC and POC in the Nandu River estuary, China	Yaying Lin
18:30-20:30	Welcome Banquet Venue: 水景坊	

June 20, 2019 (Thursday)

Venue: Langting Hall(朗廷厅), Third Floor, Grand Kingtown Hotel Wuxi

Time	Activity/ Presentation Title	Speaker
Session 08: Numerical Techniques and Approaches in Ocean Modeling Co-Chairs: Jinyu Sheng		
08:30-08:50	Keynote: Nonhydrostatic ocean modeling with hybrid vertical coordinates	Oliver Fringer
08:50-09:05	Inertial Instability and Phase Error in Time Integration Schemes in Ocean and Atmospheric General Circulation Models	Jia Wang
09:05-09:20	Spectral nudging of tides in the development of a global total water level prediction system	Tsubasa Kodaira
Session 09: Multi-scale processes Co-Chairs: Emil Stanev, Qiang Wang		
09:20-09:35	Two-layer inter-basin exchange. Unstructured-grid approach	Emil Stanev
09:35-09:50	A Multi-Resolution Grid Hierarchy for Ocean Modeling in CIESM	Jialiang Ma
09:50-10:05	Modelling Study of the Zhe-Min Coastal current	Yang Zhang
10:05-10:25	Tea Break	
10:25-10:40	Unstructured-mesh ocean and climate modeling and applications in polar regions	Qiang Wang
10:40-10:55	Chlorophyll and Nutrient Dynamics In San Francisco Bay: A Model Study	Fei Chai
10:55-11:10	Improving the Upper - Ocean Temperature in an Ocean Climate Model (FESOM 1.4): Shortwave Penetration Versus Mixing Induced by Nonbreaking Surface Waves	Shizhu Wang
11:10-11:20	Award the OYSA winners	
11:20-11:40	Speech for IWMO 2020	
11:40-13:00	Lunch Break	
	Venue: Western Restaurant (西餐厅), First Floor, Grand Kingtown Hotel Wuxi	

Poster Presentation

June 17(Monday) & June 18(Tuesday)

Venue: Langting Hall(朗廷厅), Third Floor, Grand Kingtown Hotel Wuxi

Tips: Poster presenters must be available for discussion during designated poster sessions. Posters should be 120cm(height)*90 cm(width), not exceed 200 cm (height) and 100 cm (width), and should be in portrait orientation.

	Title Activity/ Presentation Title	Speaker
1	Meso-scale eddies simulated by an eddy-resolving ocean model in the South China Sea	Baoxin Feng
2	Development of the global high-resolution wave-tide-circulation coupled ocean model and its operational application	Bin Xiao
3	Tidal Influence on the Primary Production and Nutrient Transport in the Northern South China Sea Continental Shelf during summer	Bingxu Geng
4	Case study on the three-dimensional structure of meso-scale eddy in the South China Sea based on a high-resolution model	Changshui Xia
5	Impact of Mesoscale Air-Sea Interaction on Wind Work Done on Oceanic Mesoscale Eddies: A Global Estimate From Satellite Observations	Chi Xu
6	Numerical Study on the Response of Nutrients and Chlorophyll to Heavy Rainfall in the Jiaozhou Bay in Spring	Chongxin Luo
7	Summertime Upwelling Northwest Off the Hainan Island and Its Mechanism	Fangfang Kuang
8	Dynamics of thermal drainage in a semi-enclosed bay considering air-sea-tidal flat heat exchange	Gaoqiang Kong
9	An introduction of the long-term (1947-2012) KIOST global climate reanalysis data	Gyundo Pak
10	Effects of rotation and stratification on the vertical tilting of mesoscale eddies	Hong Li
11	Relations between submesoscale eddies and mesoscale currents in the coastal East China Sea	Jiliang Xuan
12	Parameterization of Tidal Mixing in the Andaman Sea Based on the Internal Tide Energetics	Jiawen Liao
13	A Deformation Coefficient Model of Wave Propagation near Dongluo Island off the Coast of Sanya	Junmin Li
14	Seasonal Evolution Features of Water Transport in the Lembeh strait of North Sulawesi	Junpeng Zhang

15	Sea Level Variation of the Arctic Ocean in the Period 1979-2016	Kai Xiao
16	Numerical simulation of fluvial nutrient inputs and effects on primary production in the East China Sea	Kaijing Sun
17	Numerical study on the dynamics of mesoscale eddies in the South China Sea based on Particle Filter method	Lu Zhang
18	AMOC Response to Dust Reduction and Green Sahara during the Mid-Holocene	Ming Zhang
19	Numerical simulation of typhoon storm surge in the LUOYUAN bay	Nan Yuan
20	Numerical Representation of the Catarina Hurricane Using Different Regional Modeling Systems	Natalia Silva
21	Sea level change along the western boundary of the North Pacific	Penghui Li
22	Numerical Study on the Influences of Changjiang Diluted Water on Marine Ecosystem of the Adjacent Area of the Changjiang Estuary	Qian Leng
23	NH-GOMO: a highly efficient non-hydrostatic ocean model based on OpenArray v1.0	Qiang Tang
24	Numerical Investigation on the Driving Mechanism of the Rogue Wave Excited by the Oblique Reflection of a Solitary Wave	Qicheng Meng
25	The variability of the significant wave height in the South China Sea and Western North Pacific region	Shaotian Li
26	A Statistical Analysis of Tropical Cyclones in the North Indian Ocean during 1990-2017 and a case study of Tide-Surge Interaction around Sri Lanka	Sharani Kodithuwakku
27	A study on some basic features of seiches, inertial oscillations and near-inertial internal waves	Shengli Chen
28	Analysis of the characteristics of winter tide in Daya Bay	Shuaixing Peng
29	Chlorophyll-a change and environment variables relationship in ocean around India and Sri Lanka	Thushani Suleka MadhubhashiniElepathage
30	Characteristics of eddies in the Mozambique Channel	Ting Huang
31	The role of Changjiang Diluted Water on hypoxia off the Changjiang Estuary during summer	Tong Cao
32	Influence of Sequential Typhoons on Phytoplankton Blooms in the Northwestern South China Sea	Tongyu Wang
33	Evaluation of the tropical variability from a real-time operational global ocean data assimilation system	Wei Zhou
34	A Modeling Study of Tidal Characteristics in Daya Bay	Weian Shi
35	The Yellow Sea Cold Water Mass and Ocean Acidification in the Yellow Sea	Wen-Zhou Zhang

36	Upper ocean response to Typhoon Soulik	Wen-Zhou Zhang
37	Estimation of the Baroclinic Tidal Energy Dissipation in the Timor Sea Based on a General Circulation Model	Xixi Wen
38	A new ocean barotropic solver for the high-resolution NEMO model	Xiaodan Yang
39	Effects of tidal motion on water transfer and vertical mixing in the Northwest Pacific	Xiaokun Ding
40	The impacts of land reclamation on tidal dynamics in the Pearl River Estuary, China	Xiaomei Ji
41	Parameterizing Sea Surface Temperature Cooling Induced by Tropical Cyclones	Xin Liu
42	The sediment transport channel of the Yellow River	XingMin Liu
43	Surface current characteristics of the South China Sea in multiple ocean models	Xiying Liu
44	A coupled wave-current numerical model in the South China Sea and its applications in trajectory simulation and traceability analysis for the search and rescue in marine perils	Yang Chen
45	Suspended sediment distribution and its response to the Cold Water Mass evolution in the southern Yellow Sea	Yi Zhong
46	Numerical study on the seasonal variation of the water exchange between the Bohai Sea and Yellow Sea	Yinfeng Xu
47	Upper ocean near-inertial response to the passage of two sequential typhoons in the northwestern South China Sea	Yonggui Ma
48	Observing System Simulation Experiment of Underwater Glider Observed T/S Profiles in the Xisha Area of South China Sea	Yuhang Zhu
49	Modeling for interconnected estuaries in the South Atlantic Bight	Yuntao Wang
50	Physical processes study of circulation and hydrography in the Southwestern Yellow Sea	Zhanyuan He
51	Variability of the Pacific North Equatorial Current from 1993 to 2012 Based on a 1/8° Pacific Model Simulation	Zhichun Zhang
52	Wave-Current-Sediment model coupling and its application on dynamic process of water and sediment during typhoon	Zhuzhu Yu