

Program

8th International Workshop on Tropical Marine Environmental Changes

“Tropical Indo-Pacific Ocean: From climate change to ocean
environment response”

“第八届热带海洋环境变化”国际学术研讨会

----热带印度洋-太平洋：从气候变化到海洋环境的响应

Date: Nov. 6th -8th 2015

Conference Venue: Multi-function Hall, 2nd Floor of Sun Yat-Sen Kaifeng Hotel

(中大学人馆 2 楼多功能厅)

Saturday, Nov. 7, 2015

Opening Ceremony and Keynote Speech

8:30-11:45

TIME	ACTIVITIES		
8:30-8:45	Welcome Remark Chairs: Ping Shi & Shang-Ping Xie Speaker: Si Zhang Dunxin Hu Shang-Ping Xie		
8:45-11:55	Keynote Speech (35 minutes for each speech and 5 minutes for Q/A) Chairs: Dunxin Hu & Shang-Ping Xie		
TIME	TITLE	SPEAKER	AFFILIATION
8:45-9:25	Heaving Signals From Climate Data and Their Meaning	Ruixin Huang	Woods Hole Oceanographic Institution, USA
9:25-10:05	Dynamics of deep circulations in the South China Sea	DongxiaoWang	South China Sea Institute of Oceanology, CAS
10:05-10:35	Group Photo (Venue: North Gate of SYSU)		

	Tea Break & Poster Session		
	Chairs: Ruixin Huang & Dongxiao Wang		
10:35-11:15	Predicting rainfall change under global warming: New challenge for atmosphere-ocean dynamics	Shang-Ping Xie	Scripps Institution of Oceanography, USA
11:15-11:55	CLIVAR: 20 years of progress in climate science	Nico Caltabiano	CLIVAR Office First Institute of Oceanography, SOA, China
12:00-14:00	Lunch & Break Venue: Western Restaurant		
Session I	Tropical Pacific Variability and Climate Change (15 minutes for each speech and 5 minutes for Q/A)		
TIME	TITLE	SPEAKER	AFFILIATION
	Chairs: Riyu Lu & Zhiping Wen		
14:00-14:20	Asymmetric relationship between Indian Ocean SST and the Western North Pacific Summer Monsoon	Riyu Lu (Invited)	Institute of Atmospheric Physics, CAS
14:20-14:40	Impact of Tropical Pacific Precipitation Anomaly on the East Asian Upper-tropospheric Westerly Jet during the Boreal Winter	Zhiping Wen (Invited)	Sun Yat-sen University
14:40-15:00	Decadal variation of summer precipitation over China and associated atmospheric circulation after the late 1990s	Ke Fan (Invited)	Institute of Atmospheric Physics, CAS
15:00-15:20	Will surface winds weaken in response to global warming?	Jian Ma	Shanghai Ocean University, China
15:20-15:40	Enhanced or Weakened Western North Pacific Subtropical High under global warming?	Chao He	Institute of Tropical and Marine Meteorology, Guangzhou, China

15:40-16:00	Tea Break & Poster Session		
	Chairs: Yongqiang Yu & Shiqiu Peng		
16:00-16:20	Subtropical Potential Vorticity Intrusion Drives Increasing Tropospheric Ozone over the Tropical Central Pacific	Debashis Nath	Institute of Atmospheric Physics, CAS
16:20-16:40	High resolution climate modeling at LASG	Yongqiang Yu (Invited)	Institute of Atmospheric Physics, CAS
16:40-17:00	Role of Ocean Diapycnal Mixing in Decadal Modulations of El Niño	Shiqiu Peng	South China Sea Institute of Oceanology, CAS
17:00-17:20	Mesoscale eddy effects on subduction of the North Pacific mode waters	Lixiao Xu	Ocean University of China
17:20-17:40	Decadal trends of the upper ocean salinity in the tropical Indo-Pacific since mid-1990s	Yan Du	South China Sea Institute of Oceanology, CAS
17:40-18:00	Impacts of future climate change on coastal upwelling ecosystems	Peng Xiu	South China Sea Institute of Oceanology, CAS
18:00-20:00	Banquet Venue: Chinese Restaurant		
Sunday, Nov. 8, 2015			
TIME	TITLE	SPEAKER	AFFILIATION
	Chairs: Qinyu Liu & Kosaka Yu		
8:30-8:50	Acceleration and slowdown of surface global warming due to tropical Pacific natural variability	Kosaka Yu (Invited)	University of Tokyo, Japan

Session II	Indian Ocean Variability and its Environmental Effect (15 minutes for each speech and 5 minutes for Q/A)		
8:50-9:10	Three types of the Indian Ocean Dipoles	Qinyu Liu (Invited)	Ocean University of China
9:10-9:30	Climate variability of Indian Ocean convective regimes: Double Inter Tropical Convergences Zones, ITCZ, & Monsoon Circulations	Gad Levy (Invited)	Northwest Research Associates, USA
9:30-9:50	A sea surface salinity dipole mode in the tropical Indian Ocean	Yuhong Zhang	South China Sea Institute of Oceanology, CAS
9:50-10:10	The Southwest Indian Ocean Thermocline Dome in CMIP5 Models: Historical Simulation and Future Projection	Xiao-Tong Zheng	Ocean University of China
10:10-10:30	Tea Break & Poster Session		
	Chairs: Ming Feng & Yan Du		
10:30-10:50	Interannual variability of the Indonesian Throughflow transport: a review	Ming Feng (Invited)	CSIRO Oceans and Atmosphere, Australia
10:50-11:10	Intraseasonal Ocean-Atmosphere Interaction over the Indian Ocean	Lei Zhou (Invited)	Second Institute of Oceanography, SOA, China
11:10-11:30	Dynamical mechanisms for asymmetric SSTA patterns associated with some Indian Ocean Dipoles	Shuangwen Sun	First Institute of Oceanography, SOA, China
11:30-11:50	Why should we care about oxygen minimum zones in a numerical model?	Zuojun Yu (Invited)	Freelance
11:50-12:10	VGPMilwis: A new simple tool to estimate primary productivity using vertically generalized production model.	Gayantha R. L. Kodikara	University of Ruhuna, Sri Lanka
12:10-14:00	Lunch & Break Venue: Western Restaurant		

Session III	South China Sea Monsoon and Ocean Dynamics (15 minutes for each speech and 5 minutes for Q/A)		
TIME	TITLE	SPEAKER	AFFILIATION
	Chairs: Renguang Wu & Danling Tang		
14:00-14:20	Air-sea relationship associated with precipitation anomaly change and mean precipitation anomaly over the South China Sea during the spring-to-summer transition	Renguang Wu (Invited)	Institute of Atmospheric Physics, CAS
14:20-14:40	Multiscale control of summertime persistent heavy precipitation events over South China in association with synoptic, intraseasonal, and low-frequency background	Wen Zhou (Invited)	City University of Hong Kong
14:40-15:00	Different Responses of Sea Surface Temperature in the South China Sea to Various El Niño Events during Boreal Autumn	Xin Wang	South China Sea Institute of Oceanology, CAS
15:00-15:20	Interdecadal difference of interannual variability characteristics of the SCS SSTs associated with ENSO	Yali Yang	Yunnan University
15:20-15:40	“Wind Pump” impacted marine phytoplankton blooms	Danling Tang	South China Sea Institute of Oceanology, CAS
15:40-16:00	Tea Break & Poster Session		
	Chairs: Li Li & Yuhuai Wang		
16:00-16:20	Some aspects about the winter western boundary current of the South China Sea	Li Li (Invited)	Third Institute of Oceanography, SOA

16:20-16:40	Low-frequency variability of sea level in the South China Sea	Xuhua Cheng	South China Sea Institute of Oceanology, CAS
16:40-17:00	Heat transported by internal solitons to the shallow shelf in the northwestern South China Sea	Yuhuai Wang (Invited)	Sun Yat-sen University, Taiwan
17:00-17:20	Interannual and decadal variability of Great Lakes ice cover, 1973-2015: Development of multi-variable regression hindcast models	Jia Wang (Invited)	National Oceanic and Atmospheric Administration, USA
17:20-17:40	On Detecting of Global Ocean Striations	Yuping Guan	South China Sea Institute of Oceanology, CAS
17:40-18:00	Moisture flux variations over north Indian Ocean in relation with Indian summer monsoon rainfall	Mantravadi Venkata Subrahmanyam	Zhejiang Ocean University
Closing Ceremony Chairs: Shang-Ping Xie & Yan Du Venue: Chinese Restaurant			
18:00-18:10	Poster Award Committee: Qinyu Liu, Ming Feng, Wen Zhou (Chair), Xin Wang, Xuhua Cheng Poster Award announcement by Chair: Wen Zhou		
18:10-18:15	Summary Remark Acknowledgement Ping Shi		
18:15-20:00	Supper		