

The 7th International Workshop on Tropical Marine

Environmental Changes

Agenda

On-site Registration: Nov.22nd.2013

Meeting dates: Nov.23rd -24th .2013

Venue: Lake-viewing Hall on the 2nd floor, Cloud Viewing Mansion, Oriental Resort

Workshop Program

09:00-12:00 Saturday, November 23rd, 2013

Opening Ceremony and Keynote Speech Chair: Yihui Ding, Dongxiao Wang Scribe: Lei Wang		
09:00-09:05	Welcome Remarks	Dongxiao Wang (SCSIO, CAS, China)
09:05-09:10	热带海洋如何影响今年的极端暴雨和高温热浪	Yihui Ding (National Climate Center, China)
09:10-09:35	The impact of typhoons on coastal areas	Magnus Larson (Lunds University, Sweden)
09:35-10:00	Climate hysteresis experiments with an Earth-like climate: Static, abrupt, and transient changes	Klaus Fraedrich (Max Planck Institute for Meteorology, KlimaCampus, Germany)
10:00-10:25	Variability in the major current system and the West Pacific warm pool about the WPOS (West Pacific Ocean System): Structure, Dynamics and Consequences	Dongxiao Wang (SCSIO, CAS, China)
10:25-10:45 Break, Photo Session and Poster Session		
10:45-11:10	Large-scale West Pacific Ocean sea level and circulation changes vs. the PDO forcing	Bo Qiu (University of Hawaii,USA)
11:10-11:35	Variability and dynamics of the Ningaloo Niño	Ming Feng (CSIRO Marine and Atmospheric Research)
11:35-12:00	Regional ocean forecasting systems and their applications	Xiaochun Wang (University of California)
12:00-14:00 Banquet (Bailey Hall on the 2nd floor, Blue sea Mansion)		

(15 minutes for each oral presentation and 5 minutes for Q/A)

14:00-18:00 Saturday, November 23rd, 2013

Session 1 Eastern Indian Ocean warm pool variability and its environmental effects Chairs: Prof. Klaus Fraedrich, Bo Qiu Scribe: Kang Xu		
14:00-14:20	Mid-late holocene Indian monsoon variability and the Indian Ocean warm pool	Ranasinghage/Pradeep Nalaka (University of Ruhuna, Sri Lanka)
14:20-14:40	The Eulerian and Lagrangian statistics of the surface circulations in the Indian Ocean as deduced from surface drifters	Shiqiu Peng (SCSIO, CAS, China)
14:40-15:00	Tropical Indian Ocean basin mode and its impact on the Northwestern Pacific climate	Yan Du (SCSIO, CAS, China)
15:00-15:20	The seasonality of the MJO frequency over the tropical Indian Ocean and its possible causes	Xiefei Zhi (NUIST, China)
15:20-15:40	Different impacts of various El Niño events on the Indian Ocean Dipole	Xin Wang (SCSIO, CAS, China)
15:40-16:00	Break and Poster Session	
16:00-16:20	The influences of seasonal winds and Kuroshio intrusion on sea level anomalies over the northern South China Sea	Fanghua Xu (Tsinghua University)
16:20-16:40	Intraseasonal variability of sea surface height in the Bay of Bengal	Xuhua Cheng (SCSIO, CAS, China)
16:40-17:00	Sea surface temperature in the South China Sea and its role of regional climate.	Dongxiao Wang (SCSIO, CAS, China)
17:00-17:20	Subsurface and deeper ocean remote sensing and warm pool variability	Xiangbai Wu (Xiamen University)
17:20-17:40	Recent changes of tropical Indian Ocean summer rainfall based on CMIP5 multi-model	Yali Yang (SCSIO, CAS, China)
17:40-18:00	Relationship of SHO events with SAM and ENSO on inter-decadal time scales	Li Yan (SCSIO, CAS, China)
18:00-20:00	Dinner (Buffet, Bailey Hall on the 2nd floor, Blue sea Mansion)	

08:20-12:00 Sunday, November 24th, 2013

Session 2 The relationship between South China Sea Monsoon and Indo-pacific warm pool Chairs: Magnus Larson, Ming Feng Scribe:Li Yan		
08:20-08:40	On the interannual variability of summer high temperature extremes in Southeast China	Weiwen Wang (City University of Hong Kong)
08:40-09:00	Marine ecosystem response to typhoon in the South China Sea	Danling Tang (SCSIO, CAS, China)
09:00-09:20	Quasi-four-year coupling between El Niño-Southern Oscillation and water vapor transport over East Asia-WNP	Xiuzhen Li (City University of Hong Kong)
09:20-09:40	Interannual-to-Decadal Western Pacific Ocean sea level and circulation changes due to the connectivity of the Philippine Archipelago	Wei Zhuang (SCSIO, CAS, China)
09:40-10:00	Numerical modeling the interaction between the South China Sea Throughflow (SCSTF) and the Indonesian Throughflow (ITF)	Danya Xu (Singapore-MIT Alliance for Research and Technology)
10:00-10:20	Break and Poster Session	
10:20-10:40	The sea surface temperature and ocean circulation in the South China Sea associated with two different El Niño events	Qinyan Liu (SCSIO, CAS, China)
10:40-11:00	Regulation of eutrophication impacts by hydrodynamics in subtropical coastal waters	Jie Xu (SCSIO, CAS, China)
11:00-11:20	Can temperature extremes in China be calculated from reanalysis?	Qinglong You (NUIST, China)
11:20-11:40	A cyclonic eddy associated with reverse summer boundary current in the northwestern South China Sea	Junmin Li (SCSIO, CAS, China)
11:40-12:00	Variability of chlorophyll maxima in ocean eddies and its controlling mechanisms	Qian Li (SCSIO, CAS, China)
12:00-14:00	Lunch (Buffet, Bailey Hall on the 2nd floor, Blue sea Mansion)	

14:30-17:30 Sunday, November 24th, 2013

Session 3 Xisha Session		
Chairs: Jianping Gan, John Huthnance		
Scribe: Yunkai He		
14:30-14:50	An exceptional warm eddy in the South China Sea in 2010	Xiaoqing Chu (SCSIO, CAS, China)
14:50-15:10	Preliminary analysis of the Intraseasonal air-sea interaction influenced by Xisha warm eddy	Jian Li (SCSIO, CAS, China)
15:10-15:30	Wind-induced near-inertial waves near the Xisha Islands of the South China Sea	Junliang Liu (SCSIO, CAS, China)
15:30-15:50	Validation of satellite-derived daily latent heat flux over the South China Sea, compared with observations and five products	Lili Zeng (SCSIO, CAS, China)
15:50-16:10	Break and Poster Session	
16:10-16:30	The community structure and diversity of microbes in the Xisha sea area as revealed by high throughput sequencing	Qiang Zheng (MEL, Xiamen University, China)
16:30-16:50	A subsurface nitrite maximum triggered by multiple forcings near Xisha Islands, South China Sea	Meilin Wu (SCSIO, CAS, China)
16:50-17:10	Status of coral reefs in the South China Sea	Jiansheng Lian (SCSIO, CAS, China)
17:10-17:30	Seasonality of planktonic foraminifera and day mineral in a trap from the Xisha trough, SCS	Rong Xiang (SCSIO, CAS, China)
18:00-20:00	Dinner (Bailey Hall on the 2nd floor, Blue sea Mansion)	

09:30-12:00 Monday, November 25th, 2013 Climb the Baiyun Mountain