

**International Workshop on Rapid Change Phenomena in Tropical Cyclones  
(Haikou, Hainan, China, 5-9 November 2012)**

**Keynote  
Lectures**

**5-Nov**

- |       |       |   |
|-------|-------|---|
| 10:30 | 11:10 | <u><a href="#">Russell Elsberry</a></u><br>Vertical wind shear and ocean heat content as environmental modulators of western north Pacific tropical cyclone intensification and decay |
| 11:10 | 11:50 | <u><a href="#">Lianshou Chen</a></u><br>A perspective on the research of structure and intensity change for landfalling tropical cyclones   |
| 13:45 | 14:20 | <u><a href="#">Yihong Duan</a></u><br>The current status and challenge of the typhoon forecasting and warning system in China   |
| 14:20 | 14:55 | <u><a href="#">Jim Davidson</a></u><br>Challenging aspects of severe tropical cyclone George's track forecasts  |
| 14:55 | 15:30 | <u><a href="#">Noel Davidson</a></u><br>Initialization, prediction and diagnosis of some rapid-change phenomena in tropical cyclones  |
| 15:45 | 16:20 | <u><a href="#">Dalin Zhang</a></u><br>On the rapid intensification of hurricane Wilma (2005)  |
| 16:20 | 16:55 | <u><a href="#">Yuqing Wang</a></u><br>A numerical study of rapid changes in intensity, structure and track of typhoon Megi (2010)   |

**Keynote  
Lectures**

**6-Nov**

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|-------|-------|--|
| 9:00  | 9:35  | <u><a href="#">Shishir K. Dube</a></u><br>Storm surge forecasting associated with sudden changes in the intensity and tracks of cyclones in the Bay of Bengal                                    |
| 9:35  | 10:10 | <u><a href="#">Robert Rogers</a></u><br>Inner-core structural differences of intensifying and steady state tropical cyclones   |
| 10:10 | 10:45 | <u><a href="#">Chun-Chieh Wu</a></u><br>The role of convective heating in tropical cyclone vortex evolution  |
| 11:00 | 11:35 | <u><a href="#">Mark Lander</a></u><br>International workshop on the rapid change phenomena in tropical cyclones rapid structure and track changes: another look at strategies, techniques, tools |
| 11:35 | 12:10 | <u><a href="#">Xiaotu Lei</a></u><br>The benefit of tropical cyclone on mitigating the summer heat wave in Shanghai  |

**Topic A**

**Sudden change of tropical cyclone tracks**

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|-------|-------|---|
| 13:45 | 14:10 | <u><a href="#">M. Mohapatra</a></u><br>Characteristics of sudden changes in tropical cyclone tracks over North Indian Ocean |
| 14:10 | 14:35 | <u><a href="#">Carina G. Lao</a></u><br>Typhoon Parma (2009: Pepeng) made its third landfall in the Philippines             |

14:35	15:00	<b><u>Kamol Promasakha na Sakolnakhon</u></b> A study on the linear regression model for the seasonal tropical cyclone genesis frequency in the northwestern Pacific
15:00	15:25	<b><u>Ipaye Smath</u></b> Tropical storms in an atmospheric general circulation model
15:25	15:50	<b><u>Liguang Wu</u></b> Sudden tropical cyclone track changes over weather north Pacific: A composite study
16:05	16:30	<b><u>Yongqing Wang</u></b> On typhoon swing tracks in the northwest Pacific over the past decade
16:30	16:55	<b><u>Xiaogang Huang</u></b> The mechanism analysis for the nearly 180 degrees sudden reversal typhoon
16:55	17:20	<b><u>Ning Pan</u></b> Rapid changes in the track of tropical cyclone Saola in 2012
17:20	17:45	<b><u>Chuanhai Qian</u></b> Prediction and dynamics of super typhoon Megi (2010)
<b>Topic B</b>	<b>7-Nov</b>	<b>Rapid change of tropical cyclone structure and intensity</b>
9:00	9:25	<b><u>Hui Yu</u></b> Infrared features of mesoscale deep convection in tropical cyclones experiencing rapid intensification
9:25	9:50	<b><u>Yuxin Jiang</u></b> The simulation of secondary eyewall formation and eyewall replacement cycle in typhoon Sinlaku (2008) with different PBL schemes
9:50	10:15	<b><u>Chunxiao Ji</u></b> Study of structures and characteristics of typhoon landings on southeast coast of Zhejiang province in China from doppler radar data (2012)
10:15	10:40	<b><u>MCheng</u></b> Preliminary study of landing typhoon Haikui with Cinrad data
10:55	11:20	<b><u>Jing Xu</u></b> Sensitivity of tropical cyclone rapid intensification to the initial vortex structure
11:20	11:45	<b><u>HXu</u></b> A possible mechanism responsible for exceptional rainfall over Taiwan from typhoon Morakot (2010)
11:45	12:10	<b><u>Xiaopeng Cui</u></b> Rainfall enhancement associated with a landfalling tropical cyclone and its cloud microphysical characteristics
<b>Topic C</b>		<b>Rainfall reinforcement related to landfalling tropical cyclones rapid changes</b>
13:45	14:10	<b><u>Meijing Dong</u></b> Numerical study of cold air intensity impact on rainfall reinforcement associated with tropical cyclone Talim (2005)
14:10	14:35	<b><u>Qingqing Li</u></b> A comparison of inner and outer spiral rainbands in a numerically simulated tropical cyclone
14:35	15:00	<b><u>Zhong Wei</u></b> A theory for mixed vortex Rossby-gravity wave in tropical cyclones
15:00	15:25	<b><u>Zhang Xuerong</u></b>

		An analysis of the characteristics of tropical cyclone inverted trough torrential rainfalls during the meiyu-period of Yantze-Huai river basin
15:25	15:50	<u><a href="#">Leiming Ma</a></u> Tropical cyclone initialization with dynamical and physical constraints derived from satellite data
<b>Topic D</b>		<b>Forecast techniques of rapid change events with tropical cyclones</b>
16:05	16:30	
16:30	16:55	<u><a href="#">Qinghong Zhang</a></u> Tropical cyclone structural changes in response to ambient moisture variations
16:55	17:20	<u><a href="#">Shouting Gao</a></u> The generalized PV-O view and their applications in severe weather events
17:20	17:45	<u><a href="#">Yinglong Xu</a></u> Numerical test for the effect of binary typhoons to the extreme rainfall from typhoon Morakot (2009)
		<b>8-Nov</b>
9:00	9:25	<u><a href="#">Liangbo Qi</a></u> A selective consensus technique for tropical cyclone track with EPS products
9:25	9:50	<b>Shengjun Zhang</b> Statistical Analysis and Numerical Simulation of Poyang Lake's influence on tropical cyclone
9:50	10:15	<u><a href="#">Xun Li</a></u> A dynamical-statistical forecast model for western Pacific named tropical cyclones based on the NCEP climate forecast system
<b>Topic E</b>		<b>Disaster impact and tropical cyclone rapid changes</b>
10:55	11:20	<u><a href="#">Zhengquan Cheng</a></u> An operational forecasting system for torrential rain associated with landfalling tropical cyclones
11:20	11:45	<u><a href="#">Jie Ming</a></u> Modeling rapid intensification of typhoon Saomai (2006) with the weather research and forecasting model and sensitivity to cloud microphysical parameterizations
11:45	12:10	<u><a href="#">Ying Li</a></u> A study on typhoon-induced rainfall over Beijing