

2015 US-Taiwan Extreme Precipitation and Weather Workshop

「2015 台美極端降水暨天氣雙邊合作研討會」

Date : 29-30 May 2015

Venue : International Conference Room, Astronomy Mathematics Building, NTU (天文數學館)

International Conference Room, Shih-Liang Hall, NTU (思亮館)

Day	Time	Program	Oral presentation title / Speaker (affiliation)	Session Chair
Day 1 29 May (Fri.)	8:30 ~	Registration at Shih-Liang Hall, NTU		
	9:00 ~ 9:30	Joint Opening Ceremony US-Taiwan Collaborative Programs	Opening remarks / Minister Jyuo-Min Shyu Remarks by (Representative of NSF delegation) MC acknowledges the organizers of 3 workshops Photo session	MOST-NSF at Astronomy Mathematics Building, NTU
	9:50 ~ 10:10	Coffee break at Shih-Liang Hall, NTU		
	10:10 ~ 10:20	Opening Sessions	Introduction & Welcome Remarks Dr. Jen-Ping Chen (MOST Program Director) Dr. Chungu Lu (NSF Program Director)	Ming-Jen Yang NTU, Taiwan Patrick Harr NSF, USA
	10:20 ~ 10:45	Themes #A Mesoscale convection systems	Heavy-Rainfall Processes during 2008 SoWMEX/TiMREX Prof. Richard Johnson (Colorado State University)	Chung-Hsiung Sui NTU, Taiwan Shu-Hua Chen UC-Davis, USA
	10:45 ~ 11:10		Observations of SPOL during SoWMEX/TiMREX Prof. Ben Jong-Dao Jou (National Taiwan University)	
	11:10 ~ 11:35		Microphysical Characteristics of Orographic Precipitation: Insights from TiMREX and Beyond Dr. Angela Rowe (University of Washington)	
	11:35 ~ 12:00		Precipitation Characteristics of the MCSs over Southern Taiwan on 14–15 June 2008 during the SoWMEX/TiMREX: Observations and Simulations Prof. Ming-Jen Yang (National Taiwan University)	
	12:00 ~ 12:10	Group photo		
	12:10 ~ 13:10	Lunch at Shih-Liang Hall, NTU		
	13:10 ~ 13:35	Themes #B Orographic precipitation	Environment Condition and Mesoscale Processes of Heavy Rainfall Events in the Mei-Yu Season Prof. Pay-Liam Lin (National Central University)	Yi-Leng Chen UH, USA

	13:35 ~ 14:00		Analyses and Modeling of Extreme Events in Hawaii and Taiwan Prof. Yi-Leng Chen (University of Hawaii)	Hung-Chi Kuo NTU, Taiwan
	14:00 ~ 14:25		Orographic Precipitation in the Typhoon Environment: Recent Findings from Radar Observations Prof. Cheng-Ku Yu (National Taiwan University)	
	14:25 ~ 14:50		Track Deflection and Precipitation Enhancement Associated with the Passage of a Tropical Cyclone over a Mesoscale Mountain Prof. Yuh-Lang Lin (North Carolina A&T University)	
	14:50 ~ 15:50	Poster & Coffee break at Shih-Liang Hall, NTU		
	15:50 ~ 16:15	Keynote	Large Increasing Trend of Tropical Cyclone Rainfall in Taiwan and the Roles of Terrain and Southwest Monsoon Prof. Hung-Chi Kuo (National Taiwan University)	Patrick Harr NSF, USA Ming-Jen Yang NTU, Taiwan
	16:15 ~ 18:15	Group discussion I		
	18:30 ~	Joint Banquet at The Howard Plaza Hotel Taipei 3F Dragon Hall, Yangtse River (台北福華金龍廳江南春) (No. 160, Ren Ai Road, Sec. 3, Taipei, Taiwan)		Deputy Minister of MOST
Day	Time	Program	Oral presentation title / Speaker (affiliation)	Session Chair
Day 2 30 May (Sat.)	9:00 ~ 9:25	Keynote	Trends of Extreme Heavy Precipitation of Tropical Cyclones Dr. Shaw-Chen Liu (RCEC/Academia Sinica)	Chungu Lu NSF, USA Jen-Ping Chen NTU, Taiwan
	9:25 ~ 9:50		Temporal Clustering of Tropical Cyclone Activity over the Western North Pacific Dr. Patrick Harr (Naval Postgraduate School)	
	9:50 ~ 10:10 ~	Coffee break at Shih-Liang Hall, NTU		
	10:10 ~ 10:35	Themes #C Typhoon	Modeling Analysis of Water Cycle over NW Pacific during May and June 2008 Prof. Chung-Hsiung Sui (National Taiwan University)	Fuqing Zhang PSU, USA Chun-Chieh Wu NTU, Taiwan
	10:35 ~ 11:00		Precipitation in Tropical Cyclones: Discrepancy in QPE and QPF Prof. Shuyi Chen (University of Miami)	
	11:00 ~ 11:25		1. Recovery of Wind, Thermodynamic and Moisture Fields over Complex Terrain Using Multiple-Doppler Radar Measurements and the Application in Improving Model QPN	

		2. An Introduction of Taiwan Typhoon and Flood Research Institute (TTFRI) Prof. Yu-Chieng Liou (National Central University)	
11:25 ~ 11:50		Validation of Simulated Tropical Cyclone Raindrop Size Distributions Using Dual-Polarimetric Radar Prof. Michael Bell (University of Hawaii)	
11:50 ~ 13:00	Lunch at Shih-Liang Hall, NTU		
13:00 ~ 13:25	Themes #D Severe weather data assimilation	Influence of Equatorial Wave Disturbances on the Genesis of Super Typhoons: Megi (2010) and Haiyan (2013) Prof. Fuqing Zhang (Penn State University)	Ching-Yuang Huang NCU, Taiwan Richard Johnson CSU, USA
13:25 ~ 13:50		Trilogy of Typhoon Megi (2010): Rapid Intensification, Ocean Interaction, and Remote Rainfall Prof. Chun-Chieh Wu (National Taiwan University)	
13:50 ~ 14:15		Impact of Dust-radiative Forcing and AOD Data Assimilation on Atlantic TC Activities Prof. Shu-Hua Chen (Univ. of California – Davis)	
14:15 ~ 14:40		Adjusting the Ensemble for EnKF Assimilation: Applications to Regional EnKF and Severe Weather Prediction. Prof. Shu-Chih Yang (National Central University)	
14:40 ~ 15:00	Coffee break at Shih-Liang Hall, NTU		
15:00 ~ 17:00	Group discussion II		Ming-Jen Yang NTU, Taiwan Patrick Harr NSF, USA
17:00 ~ 17:20	Coffee break at Shih-Liang Hall, NTU		
17:20 ~ 18:40	Panel discussions and conclusions		Chungu Lu NSF, USA Jen-Ping Chen MOST, Taiwan

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