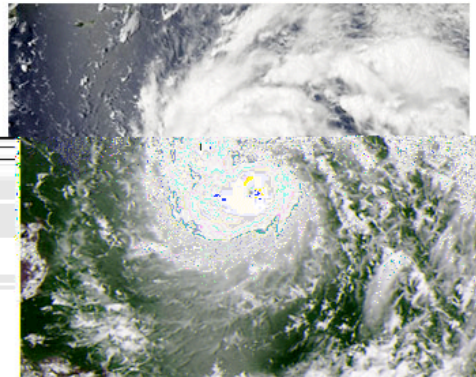


# 2nd US-Taiwan Extreme Precipitation and Weather Workshop



中華民國科技部  
Ministry of Science and Technology, R.O.C.



September 6 – 8, 2016  
Asia Room  
East-West Center  
University of Hawaii, Mānoa Campus  
Honolulu, Hawaii

## Agenda

### Tuesday, September 6

Time/Agenda	Title	Name (first last)	Affiliation
8:30	Opening Remarks		
	<b>Mesoscale Convective Systems</b> Chair: Yi-Leng Chen		
8:55	<a href="#">Diurnal Cycle of MCSs and Interactions with the MJO and Asian Monsoon over the Maritime Continent</a>	Shuyi Chen	RSMAS, University of Miami
9:10	<a href="#">From Line Echo Wave Pattern (LEWP) to Bow Echo</a>	Wen-Chau Lee	NCAR
9:35	<a href="#">Intraseasonal and diurnal variation of summer cloud and precipitation over the South China Sea</a>	Chung-Hsiung Sui	Department of Atmospheric Sciences, National Taiwan University
10:00 to 10:20	Break		
	<b>Mei-Yu Rainfall</b> Chair: Jen-Ping Chen		
10:20	<a href="#">Predicting a long lasting rainfall event in Taiwan during the Meiyu season</a>	Shu-Chih Yang	Department of Atmospheric Sciences, National Central University,
10:45	<a href="#">The mechanisms of the evolution of a Mei-Yu frontal rain band revealed from multiple Doppler radar observation in the torrential rain event</a>	Ching-Yin Ke	National Central University
11:10	<a href="#">Diurnal Variation of Regional Circulation and Precipitation During Mei-Yu Season over Taiwan and Surrounding Area</a>	Pay-Liam Lin	Department of Atmospheric Sciences, National Central University
11:35	Discussion		
12:00 to 1:00	Lunch		

## Tuesday, September 6

Time/Agenda	Title	Name (first last)	Affiliation
<b>Convection and Terrain Interactions</b>			
Chair: Angela Rowe			
1:00	<a href="#">The NSF US-Taiwan Partnership for International Research and Education</a>	Everett Joseph	Atmospheric Sciences Research Center, State University of New York, Albany
1:25	<a href="#">Diurnal Variations of Convection and Rainfall over the Continents, Ocean and Islands</a>	Fuqing Zhang	Penn State University
1:50	<a href="#">Record-Breaking Increase in Taiwan Typhoon Rainfall in the 21<sup>st</sup> Century</a>	Chih-Pei Chang	Department of Atmospheric Sciences, National Taiwan University
2:15	<a href="#">The Lagrangian Evolution of Water Budget and Precipitation Efficiency of an Idealized Squall Line as Interacting with Terrain</a>	Ming-Jen Yang	National Taiwan University
2:30 to 2:50	Break		
<b>Tropical Cyclones I</b>			
Chair: Michael Bell			
2:50	<a href="#">Meso-<math>\beta</math>-scale environment for the formation of a stationary band complex in tropical cyclones</a>	Michael Riemer	Johannes Gutenberg-Universität Mainz
3:15	<a href="#">TC Precipitation in Typhoon Fanapi (2010): Coupled Modeling and ITOP Observations</a>	Shuyi Chen	RSMAS, University of Miami
3:40	<a href="#">A Statistical Perspective on Wind Profiles and Vertical Wind Shear in Tropical Cyclone Environments of the Northern Hemisphere</a>	Peter Finocchio	RSMAS, University of Miami
4:05	Discussion		

## Wednesday, September 7

Time/Agenda	Title	Name (first last)	Affiliation
<b>Tropical Cyclones II</b>			
Chair: Wen-Chau Lee			
8:30	<a href="#">Orographic Influence on Track Deflection of Tropical Cyclones over Idealized Mesoscale Mountain Ranges</a>	Yuh-Lang Lin	North Carolina A&T State University
8:45	<a href="#">Deep convection and tropical cyclone intensification</a>	Robert Rogers	NOAA/AOML Hurricane Research Division
9:10	<a href="#">Retrieved Thermodynamic Structure of Hurricane Rita (2005) using RAINEX Observations</a>	Michael Bell	Colorado State University
9:35	<a href="#">The relationship between Sea Surface Temperature and Maximum Intensification Rate of Tropical Cyclones in the North Atlantic</a>	Yuqing Wang	Department of Atmospheric Sciences, University of Hawaii at Mānoa
10:00 to 10:20	Break		

## Wednesday, September 7

Time/Agenda	Title	Name (first last)	Affiliation
<b>Tropical Cyclones III</b>			
Chair: Ben Jong-Dao Jou			
10:20	<a href="#">Is the TC Storm-Scale Circulation and the Large-Scale Flow in Quasi-Equilibrium?</a>	Yi-Leng Chen	Department of Atmospheric Sciences, University of Hawaii at Mānoa
10:20	<a href="#">The TROPICS smallsat tropical cyclone mission: High temporal resolution microwave imagery as part of NASA's third Earth Venture-Instrument (EVI-3) program</a>	Scott Braun	NASA, Goddard Space Flight Center
11:10	<a href="#">Factors that Caused a Distant Rain Event in Taiwan Associated with Typhoon Nalgae (2011)</a>	Fang-Ching Chien	National Taiwan Normal University
11:35 to 12:00	Discussion		
12:00 to 1:00	Lunch		
<b>Tropical Cyclone and Terrain Interactions</b>			
Chair: Robert Rogers			
1:00	<a href="#">Trends in precipitation extremes during the typhoon season in Taiwan over the last 60 years</a>	Pao-Shin Chu	Department of Atmospheric Sciences, University of Hawaii at Mānoa
1:25	<a href="#">The Role of Topographically Induced Vortices in Tropical Cyclone Formation over the Indian Ocean</a>	Richard Johnson	Colorado State University
1:50	<a href="#">Factors Leading to Dominica's Extreme Precipitation from Tropical Storm Erika</a>	Alison Nugent	NCAR
2:15	<a href="#">Common Ingredients, Orographic Rain Index, and Flow Regimes Associated with Tropical Cyclones Passing over Mesoscale Mountain Ranges</a>	Yuh-Lang Lin	North Carolina A&T State University
2:30 to 2:50	Break		
<b>Orographic Precipitation</b>			
Chair: Alison Nugent			
2:30	<a href="#">Observations and Polarimetric Signatures of Flash Flood Storm in Metropolitan Taipei</a>	Ben Jong-Dao Jou	Department of Atmospheric Sciences, National Taiwan University
3:15	<a href="#">Measuring precipitation in complex terrain: Insights from the OLYMPEX field campaign</a>	Angela Rowe	University of Washington
3:40	<a href="#">Numerical Simulations of Two Local Thunderstorms over Central Oahu during the Warm Season</a>	Feng Hsiao	Department of Atmospheric Sciences, University of Hawaii at Mānoa
4:05	Discussion		

## Thursday, September 8

Time/Agenda	Title	Name (first last)	Affiliation
<b>Microphysical Modeling</b>			
Chair: Ming-Jen Yang			
8:30	<a href="#">Impacts of Including Rain Evaporative Cooling in the Initial Conditions on the Prediction of a Coastal Heavy Rainfall Event during TiMREX</a>	Chuan-Chi Tu	Department of Atmospheric Science, National Central University
8:45	<a href="#">Verification of Numerical Tropical Cyclone Simulation Microphysics and Rainfall Using Radar Measurements</a>	Bonnie Brown	Department of Atmospheric Sciences, University of Hawaii at Mānoa
9:10	<a href="#">Evaluating the impact of aerosols on deep convection and monsoon precipitation simulated by a multi-moment density-predictable bulk microphysics scheme</a>	Jen-Ping Chen	Department of Atmospheric Sciences, National Taiwan University
9:35	<a href="#">NTU multi-moment bulk microphysical scheme in the WRF model and applications</a>	Tzu-Chin Tsai	National Taiwan University
10:00 to 10:20	Break		
<b>Modeling and Data Assimilation</b>			
Chair: Fuqing Zhang			
10:20	<a href="#">Examination of forecast errors at convective scale and the impact of assimilating radar observations</a>	Kao-Shen Chung	National Central University
10:45	<a href="#">Impact of land-atmosphere interaction on meteorological simulation in Vector Vorticity Equation Model by implementing Noah land surface model</a>	Hsiao-Chun Lin	National Central University
11:10	<a href="#">A Study of Summer Leaside Rainfall Maxima over the Island of Hawaii</a>	Yu-Fen Huang	Department of Atmospheric Sciences, University of Hawaii at Mānoa
11:35	<a href="#">A Study on Airborne Radio Occultations and their Impact on Hurricane Karl (2010)</a>	Shu-Hua Chen	University of California, Davis
12:00 to 1:00	Lunch		
1:00	Wrap-up		
2:00	End Workshop		