

2017 APEC Typhoon Symposium – The Challenges and Opportunities for Typhoon and Flood Forecasting

I. Date: May 2-4, 2017 (Tuesday-Thursday)

II. Venue: GIS NTU Convention Center

Time	2 May (Tue.)
08:30~09:00	Registration
09:00~09:20	Opening Remarks Room: The Forum
09:00~09:20	Fong-Chin Su, MOST, Chinese Taipei Achmad Poernomo, MMAF, Indonesia Jough-Tai Wang, NARLabs, Chinese Taipei
09:20~09:50	Group Photo / Coffee Break
09:50~11:50	Keynote Speech I Room: The Forum
09:50~10:30	The Overall Strategy of Flood Prevention and the Intelligent Development in Taiwan Chien-Hsin Lai WRA, Chinese Taipei
10:30~11:10	Opportunity for Improved Tropical Cyclone Predictions from Next-Generation Satellite Atmospheric Motion Vectors – Proof of Concept Demonstration from TCI-15 Datasets Russell Elsberry NPS, USA
11:10~11:50	Environment Variabilities and Health Impacts Pai-Yei Whung EPA, USA
11:50~13:10	Lunch Room: The Forum

13:10~14:30	<p align="center">Met Session 1 Recent Development in Typhoon Forecast Techniques Chair: Tetsuya Takemi Room: The Forum</p>	<p align="center">Hydro Session 1 Sediment Management Chair: Jihn-Sung Lai Room: Socrates</p>	<p align="center">Socio-Economic Session 1 Challenges from Climate Change Chair: Ching-Cheng Chang Room: Plato</p>
13:10~13:30	<p align="center">Recent Research and Development at MRI/JMA to Improve Typhoon Forecasts Munehiko Yamaguchi MRI, Japan</p>	<p align="center">Dynamic Effects on Local Scouring Yee Meng Chiew NTU, Singapore</p>	<p align="center">Opportunities and Challenges in Dealing with Climate Change in Vietnam under the Context of New Industrial Revolution Bui Quang Tuan IRSD, Viet Nam</p>
13:30~13:50	<p align="center">Recent Advancement on CWB Operational Typhoon Forecasting Mark Chia-Ping Cheng CWB, Chinese Taipei</p>	<p align="center">Indigenous Technical Knowledge for Bank Erosion and Flood Management Hao Zhang Kochi Univ., Japan</p>	<p align="center">Reducing Climate Risks Through Government-Supported Agricultural Insurance: Case Studies from the Philippines Juan Pulhin UPLB, The Philippines</p>
13:50~14:10	<p align="center">A Feasible Strategy of Cloud-Resolving Typhoon Ensemble Quantitative Precipitation Forecasts with Large Domain and Extended Range through Time-Lagged Approach Chung-Chieh Wang NTNU, Chinese Taipei</p>	<p align="center">Bridge Scour and Structural Retrofitted Countermeasures Used in Taiwan Chang Lin NCHU, Chinese Taipei</p>	<p align="center">The Effects of Climate Change on Paddy Rice Production and Paddy Farmers' Vulnerabilities in Peninsular Malaysia Ahmad Makmom Abdullah UPM, Malaysia</p>
14:10~14:30	<p align="center">Tropical Cyclone and Active Low Pressure Tracker Maytee Mahayosananta TMD, Thailand</p>	<p align="center">Stability Engineering Scheme Study on a Bedrock Erosion River Reach in Taiwan Kuowei Wu WRPI, Chinese Taipei</p>	<p align="center">Impaction and Adaptation of Climate Change on Electric Demend Chia-Sheng Hsu Academia Sinica, Chinese Taipei</p>
14:30~14:50	Coffee Break		

14:50~16:10	<p>Met Session 2 Prevention and Mitigation of Disasters Chair: Mark Chia-Ping Cheng Room: The Forum</p>	<p>Hydro Session 2 Landslide and Flood Risk Management Chair: Kwan Tun Lee Co-Chair: Hsiao-Yuan Yin Room: Socrates</p>	<p>Socio-Economic Session 2 Methodologies and Application on Weather-Related Risk Management Chair: Shu-Ling Chen Room: Plato</p>
14:50~15:10	<p>Assessing the Impacts of Extreme Typhoons by Downscaling Meteorological Simulations Tetsuya Takemi Kyoto Univ., Japan</p>	<p>Numerical Analysis on Landslide Caused by Rainfall Infiltration Chyan-Deng Jan NCKU, Chinese Taipei</p>	<p>Rice, Irrigation and Downside Risk: A Quantile Analysis of Risk Exposure and Mitigation on Korean Farms Kwansoo Kim SNU, Korea</p>
15:10~15:30	<p>Climate Change and Sea Level Rise Scenarios for Viet Nam Huynh Thi Lan Huong IMHEN, Viet Nam</p>	<p>Establishing Slope Failure Early Warning and Mitigation System in Malaysia for Disaster Prevention Swee Peng Koay USM, Malaysia</p>	<p>Agricultural Crop Insurance Using Geospatial Technologies Nitin Kumar Tripathi AIT, Thailand</p>
15:30~15:50	<p>Bottom-up Eyewall Reconstruction of Typhoon Fanapi (2009) after Encountering the Taiwan Terrain Ming-Jen Yang NTU, Chinese Taipei</p>	<p>A Rainfall-based Warning Model for Predicting Landslides Using Radar Rainfall Data Chen-Yu Chen SWCB, Chinese Taipei</p>	<p>Some Behavioural Issue in a Choice Experiment Application for Estimating Values of Typhoon Warning Services in Vietnam Thanh Cong Nguyen NEU, Viet Nam</p>
15:50~16:10	<p>Understanding Dynamical Errors Associated with TC Development and Its Impact on TC Ensemble Data Assimilation and Prediction Shu-Chih Yang NCU, Chinese Taipei</p>	<p>Opportunities and Challenges in Flood Forecasting thru the Establishment of the “Community Based Flood Early Warning System” (CBFEWS) Danilo Flores PAGASA, The Philippines</p>	<p>The Cost and Benefit Analysis of Early Warning and Evacuation System for Debris Flow Disaster in Taiwan Ya-Pin Lyu TTFRI, Chinese Taipei</p>
16:10~16:20	Coffee Break		
16:10~18:00	Poster Competition Room: Locke and Archimedes		
18:30~20:30	Banquet (By Invitation)		

Time	3 May (Wed.)
08:30~09:00	Registration
09:00~11:20	Keynote Speech II Room: The Forum
09:00~09:40	Disaster Risk Reduction Activities in Myanmar Charlie Than, Aung Myint and Ko Ko Gyi MEngC, MES, Myanmar Chair: Liang-Jenq Leu
09:40~10:00	Coffee Break
10:00~10:40	Hydrometeorological Extremes: Challenges in Observing, Modeling and Predicting Them Soroosh Sorooshian UCI, USA
10:40~11:20	Towards Indonesian Marine and Fisheries Resilience to Climate Change: Strategic Issues and Challenges Achmad Poernomo MMAF, Indonesia
11:20~11:40	Coffee Break
11:40~11:55	Student Poster Awards Room: The Forum
11:55~12:00	Closing Remarks Room: The Forum
12:00~13:30	Lunch Room: The Forum
12:15~13:15	Panel Discussion for Socio-Economic Study Room: Locke
13:30~16:10	Member Economies Experience Sharing (By Invitation) Each presentation: 20 minutes Chair: Tien-Chiang Yeh Room: Locke
13:30~13:50	Operational of Early Warning on Tropical Cyclone in Indonesia Nurul Pramiftah BMKG, Indonesia
13:50~14:10	Challenges and Opportunities for Extreme Weather Forecasting in Malaysia Ambun Dindang

	MMD, Malaysia
14:10~14:30	Experiences of CENEPRED in the Use of Climatic Parameters in the Prospective Management of the Risk of Disasters for Slides, Floods and Debris Flows in Peru Neil Sandro Alata Olivares CENEPRED, Peru
14:30~14:50	Challenges and Opportunities for Typhoon and Flood Forecasting Loriedin de la Cruz PAGASA, The Philippines
14:50~15:10	Coffee Break
15:10~15:30	When Debris Flows Meet Coffee – A Rural Village Regeneration Story from Debris Flow Disasters Hsiao-Yuan Yin SWCB, Chinese Taipei
15:30~15:50	Typhoon Forecast Operation and Wind-Precipitation Prediction at CWB Yi-Liang Chen CWB, Chinese Taipei
15:50~16:10	Intellectualized Development of Water Disaster Prevention Technology Chun-Ling Kuo WRA, Chinese Taipei
Time	4 May (Thur.)
09:00~17:00	Field Study (By Invitation)