

2023 【MPAS-A and MPAS-JEDI Workshop】

Friday, 27 OCT 2023, Room 310, CWA, Taiwan	
09:30-09:45	Opening Remarks – Administrator Chia-Ping Cheng, Dr. Gretchen Mullendoore
09:45-09:50	Group Photo
Session 1: MPAS-A Developments, Chair: Dr. Zhiquan Liu	
09:50-10:20	William C. Skamarock Regional MPAS Forecast Results for Continental US Convection-Permitting Configurations
10:20-10:40	Wei Wang A Scale-aware Cumulus Parameterization Scheme for Variable Mesh with MPAS
10:40-11:00	Coffee Break
Session 2: Numerical Models for Operation in Taiwan, Chair: Dr. Jing-Shan Hong	
11:00-11:20	Guo-Yuan Lien, Ling-Feng Hsiao, Ying-Jhang Wu, Pao-Liang Chang, Jing-Shan Hong Is There a Reasonable Pathway for CWA to Utilize MPAS and MPAS-JEDI for its Regional High-resolution Numerical Weather Prediction?
11:20-11:40	Li-Huan Hsu, Li-Rung Hwang, Kuan-Ling Lin, Chou-Chun Chiang, Hsin-Hung Lin, Jung-Lien Chu, and Yi-Chiang Yu Applications of the MPAS Model for Disaster Prevention Issues at NCDR
11:40-12:00	Ying-Jhang Wu The Progress of Implementing MPAS-A Regional Model in CWA
12:00-13:30	Lunch Break
Session 3: MPAS-JEDI and Data Assimilation Developments, Chair: Dr. William C. Skamarock	
13:30-14:00	Zhiquan Liu MPAS-JEDI: NCAR/MMM's New-generation Community Data Assimilation System for Both Global and Regional Applications across Scales
14:00-14:20	Shu-Chih Yang Recent Advancements and Applications of the NCU Convective-scale Ensemble Data Assimilation System
14:20-14:40	Junmei Ban All-sky ATMS Radiance Data Assimilation with MPAS-JEDI
14:40-15:00	Coffee Break
Session 4: MPAS-A for Research in Taiwan, Chair: Dr. Ching-Yuang Huang	
15:00-15:20	Ya-Shin Chi, Ching-Yuang Huang, and William C. Skamarock Evolution of Typhoon Chanthu (2021) as Investigated using a High-Resolution Model
15:20-15:40	Chung-Hsiung Sui, Hsiang-Jen Tai, Y.-A. Chen, and Shu-Yu Hou Modeling Convection Coupled Tropical Waves
Session 5: Discussion, Chair: Dr. Jing-Shan Hong	
15:40-16:20	Discussion
16:20-16:30	Closing Remarks – Deputy Administrator Dr. Chin-Tzu Fong
18:00-21:00	Banquet