2023 [MPAS-A and MPAS-JEDI Workshop]

| Opening Remarks - Administrator Chia-Ping Cheng, Dr. Gretchen Mullendoore | Friday, 27 OCT 2023, Room 310, CWA, Taiwan | |
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| O9:45-09:50 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 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 Junnei 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-Ien Tai, YA. Chen, and Shu-Yu Hou Modeling Convection Coupled Tropical Waves Session 5: Discussion, Chair: Dr. Jing-Shan Hong 15:40-16:20 Discussion Closing Remarks -Deputy Administrator Dr. Chin-Tzu Fong | | Mullendoore |
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| Resolution Model 15:20-15:40 Chung-Hsiung Sui, Hsiang-Jen Tai, YA. Chen, and Shu-Yu Hou Modeling Convection Coupled Tropical Waves Session 5: Discussion, Chair: Dr. Jing-Shan Hong 15:40-16:20 Discussion Closing Remarks - Deputy Administrator Dr. Chin-Tzu Fong | 15.00 15.20 | |
| 15:20-15:40 Chung-Hsiung Sui, Hsiang-Jen Tai, YA. 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 | | |
| 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 | | , |
| Session 5: Discussion, Chair: Dr. Jing-Shan Hong15:40-16:20Discussion16:20-16:30Closing Remarks - Deputy Administrator Dr. Chin-Tzu Fong | 15:20-15:40 | Resolution Model |
| 15:40-16:20 Discussion 16:20-16:30 Closing Remarks – Deputy Administrator Dr. Chin-Tzu Fong | 15:20-15:40 | Resolution Model Chung-Hsiung Sui, Hsiang-Jen Tai, YA. Chen, and Shu-Yu Hou |
| 16:20-16:30 Closing Remarks – Deputy Administrator Dr. Chin-Tzu Fong | | Resolution Model Chung-Hsiung Sui, Hsiang-Jen Tai, YA. Chen, and Shu-Yu Hou Modeling Convection Coupled Tropical Waves |
| | Session 5: Discussion, | Resolution Model Chung-Hsiung Sui, Hsiang-Jen Tai, YA. Chen, and Shu-Yu Hou Modeling Convection Coupled Tropical Waves Chair: Dr. Jing-Shan Hong |
| 18:00-21:00 Banquet | Session 5: Discussion, 15:40-16:20 | Resolution Model Chung-Hsiung Sui, Hsiang-Jen Tai, YA. Chen, and Shu-Yu Hou Modeling Convection Coupled Tropical Waves Chair: Dr. Jing-Shan Hong Discussion |