

ICMCS-XV Final Agenda (updated 21 May 2023)			
C. Wayne McIlwraith Translational Medicine Institute's (TMI) conference hall at Colorado State University, Fort Collins, Colorado, USA and Online Globally			
Monday 05/22			
8:00 AM - 8:45 AM	Arrive, Registration & Breakfast		
Session 1: Mesoscale Convective Systems (A) (Chair: Ben Jou)			
8:45 AM - 9:00 AM	Michael Bell	Colorado State University, USA	Opening Remarks
9:00 AM - 9:20 AM	William R. Cotton	Colorado State University, USA	1.1 What I Learned about MCSs in over 55 Years
9:20 AM - 9:35 AM	Dong-In Lee	Pukyong National University, Korea	1.2 Precipitation Study in North Korea using South Korean S-Band Dual Polarimetric Weather Radars
9:35 AM - 9:50 AM	Kosci Yamaguchi	Kyoto University, Japan	1.3 Outbreak Mechanism Identification of Line-Shaped Convective Rainbands Based on Large Eddy Simulation
9:50 AM - 10:05 AM	Pay-Liam Lin	National Central University, Taiwan	1.4 Low Level Jets and Heavy Rainfall Events Over Taiwan Revealed from Wind Profiler Radars
10:05 AM - 10:20 AM	Xin Xu	Nanjing University, China	1.5 Dynamics of Two Episodes of High Winds Produced by an Unusually Long-Lived Quasi-Linear Convective System in South China
10:20 AM - 10:35 AM	Stacey Hitchcock	The University of Melbourne, Australia	1.6 MCSs in Australia: Recent Findings
Group Photo & BREAK 10:35 AM - 11:00 AM			
Session 2: Observations, Instruments and Algorithms (A) (Chair: Gyuwon Lee)			
11:00 AM - 11:20 AM	Everette Joseph	National Center for Atmospheric Research, USA	2.1 Airborne Phased Array Radar (APAR): The Next Generation of Airborne Polarimetric Doppler Weather Radar
11:20 AM - 11:35 AM	Jothiram Vivekanandan	National Center for Atmospheric Research, USA	2.2 Temporal Resolution and Variance of Airborne Phased Array Radar Estimates
11:35 AM - 11:50 PM	Po Hsiung Lin	National Taiwan University, Taiwan	2.3 The Development of the "Storm Tracker" and its Applications for Atmospheric High-resolution Upper-air Observations
11:50 AM - 12:05 PM	Tae-Young Goo	National Institute of Meteorological Sciences, Korea	2.4 Introduction of KMA/NIMS Atmospheric Research Aircraft and Characteristic of Airborne Measurement for 2018-2022
12:05 PM - 12:20 PM	Yunji Zhang	Pennsylvania State University, USA	2.5 Evaluation and Assimilation of Low-Level Moisture from the MPD during the "PRE"-CIP Experiment
12:20 PM - 12:35 PM	Wei-Yu Chang	National Central University, Taiwan	2.6 Analysis of the Back-building Mesoscale Convective Systems from NOCOVID-2021/TAHOPE-2022
LUNCH BREAK 12:35 PM - 2:00 PM			
Session 3: High Impact Weather Prediction, Data Assimilation, and Machine Learning (A) (Chair: Kazuhisa Tsuboki)			
2:00 PM - 2:20 PM	Dong-Hyun Cha	Ulsan National Institute of Science and Technology, Korea	3.1 Impact of Sea Surface Temperature Warming by Anthropogenic Forcing on the Extreme East Asian Summer Monsoon in 2020
2:20 PM - 2:35 PM	Yukari Naka	Kyoto University, Japan	3.2 Future Projections in Rainfall and Frontal Structure during the Baiu Season in Japan using 150-year Continuous Simulations
2:35 PM - 2:50 PM	Haerin Park	Ulsan National Institute of Science and Technology, Korea	3.3 Effect of a Scale-Aware Convective Parameterization Scheme on the Simulation of Heavy Rainfall Events in South Korea
2:50 PM - 3:05 PM	Kao-Shen Chung	National Central University, Taiwan	3.4 Impact Of Ensemble Data Assimilation With Surface Moisture And Radar Data On Heavy Rainfall Forecast: A Case Study of TAHOPE-2022
3:05 PM - 3:20 PM	Eric James	Colorado State University, USA	3.5 Exploring the Relationship of QPE/QPF Exceedances of Precipitation Thresholds with Observed Flash Floods
3:20 PM - 3:35 PM	Nghi Phuong Do	National Central University, Taiwan	3.6 Impact of Assimilating Radar Refractivity in the Context of Ensemble Kalman Filter: Cases Study of the SoWMEX
BREAK 3:35 PM - 4:00 PM			
Session 4: Monsoon and Meiyu / Baiu / Changma front (Chair: Yu Du)			
4:00 PM - 4:20 PM	Ying-Hwa (Bill) Kuo	University Corporation for Atmospheric Research, USA	4.1 Impact of GNSS Radio Occultation Data on the Prediction of a Pre-Frontal Squall Line Associated with a Mei-Yu Front
4:20 PM - 4:35 PM	Liye Li	Chinese Academy of Meteorological Science, China	4.2 Hourly and Sub-hourly Rainfall under Synoptic Patterns during the Anomaly Meiyu Season 2020
4:35 PM - 4:50 PM	Yi-Leng Chen	University of Hawai'i at Mānoa, USA	4.3 An Overview of Low-Level Jets (LLJs) and Their Roles in Heavy Rainfall over the Taiwan Area during the Early Summer Rainy Season
4:50 PM - 5:05 PM	Fang-Ching Chien	National Taiwan Normal University, Taiwan	4.5 Factors Leading to Heavy Rainfall in Southern Taiwan in the Early Mei-yu Season of 2020
5:05 PM - 5:20 PM	Chan-Pang Ng	Peking University, China	4.6 Contribution of Thunderstorms to Frequency Changes in Hourly Extreme Precipitation Over China
Opening Reception at TMI Event Hall 5:20 PM - 7:00 PM			
END OF DAY 1			

Tuesday 05/23			
7:30 AM - 8:00 AM	Arrive & Breakfast		
Session 5: Tropical Cyclones (A) (Chair: Buo-Fo Chen)			
8:00 AM - 8:15 AM	Kosuke Ito	Kyoto University, Japan	5.1 Three-Dimensional Fujiwhara Effect
8:15 AM - 8:30 AM	I-I Lin	National Taiwan University, Taiwan	5.2 A Tale of Two Rapidly-Intensifying Super Typhoons: Hagibis (2019) and Haiyan (2013)
8:30 AM - 8:45 AM	Takeshi Horinouchi	Hokkaido University, Japan	5.3 Exploring the Dynamics of TC's Inner Core with the 30-Second Imagery of Himawari-8: Mean Circulation Shift and Wavenumber-1 Disturbance that Affect the Rotation in the Eye
8:45 AM - 9:00 AM	Rob Rogers	NOAA/AOML Hurricane Research Division, USA	5.4 Multiscale Characteristics of the Development of Weak Tropical Cyclones
9:00 AM - 9:15 AM	Jinyoung Park	Ulsan National Institute of Science and Technology, Korea	5.5 Impact of Soil Moisture Initialization on Poleward-Moving Tropical Cyclone Forecasts
9:15 AM - 9:35 AM	Hung-Chi Kuo	National Taiwan University, Taiwan	5.6 Typhoon Rapid Intensification with 200 PVU Convective Potential Vorticity Tower in Numerically Simulated Supertyphoon Haiyan (2013)
BREAK 09:35 AM - 10:00 AM			
Session 6: Tropical Cyclones (B) (Chair: Hiroyuki Yamada)			
10:00 AM - 10:20 AM	Kazuhsa Tsuboki	Nagoya University/Yokohama National University, Japan	6.1 Aircraft Observation of the Inner Core of Rapidly Intensifying Typhoon Nanmadol (2022)
10:20 AM - 10:35 AM	(Trey) George Alvey	University of Miami and NOAA/AOML/HRD, USA	6.2 Tropical Cyclone Forecast Error Statistics Stratified by Environmental and Structural Metrics
10:35 AM - 10:50 AM	James Ruppert	University of Oklahoma, USA	6.3 How does Cloud–Radiation Feedback Promote Convective Upscale Development?
10:50 AM - 11:05 AM	Emily Luschen	University of Oklahoma, USA	6.4 The Stratiform Radiation Effect on Tropical Cyclone Genesis
11:05 AM - 11:20 AM	Xiaomin Chen	University of Alabama in Huntsville, USA	6.5 Role of Advection of Parameterized Turbulence Kinetic Energy in Idealized Tropical Cyclone Simulations
11:20 AM - 11:35 AM	Takuya Takahashi	University of Miami, USA	6.6 Evaluation of Vortex Structure and Near-Surface Winds in WRF Simulations of Typhoon Faxai (2019)
Session P1: Tropical Cyclones, Observations, and Instrumentation (Lightning Session, Chair: Ting-Yu Cha)			
11:35 AM -11:36 AM	Alyssa Stansfield	Colorado State University, USA	P1.1 Tropical Cyclone Precipitation Structure Response to Sea Surface Temperature Warming in Idealized WRF
11:36 AM -11:37 AM	Woojin Cho	Ulsan National Institute of Science and Technology, Korea	P1.2 Effects of Low Salinity Water on Air-Sea Interaction under Typhoon Chaba (2016)
11:37 AM -11:38 AM	Pay-Liam Lin	National Central University, Taiwan	P1.3 An Insight Into the Microphysical Attributes of Northwest Pacific Tropical Cyclones
11:38 AM -11:39 AM	Alexander DesRosiers	Colorado State University, USA	P1.4 Observed Relationships between Tropical Cyclone Vortex Height, Intensity, and Intensification Rate
11:39 AM -11:40 AM	Tamon Watanabe	University of the Ryukyus, Japan	P1.5 Tropical Storm Aere (2022) Intensification and Decaying Under Upper-Level Cut-off Low Forcing
11:40 AM -11:41 AM	Jisun Lee	Pukyong National University, Korea	P1.6 Comparisons of Wind Field derived from Radar Observation and Numerical Model with Northward Track Typhoon in South Korea.
11:41 AM -11:42 AM	Angelic Nieves Jiménez	Colorado State University, USA	P1.7 A Preliminary Overview of Hurricane Fiona's Heavy Precipitation Aspects as it Approached Puerto Rico
11:42 AM -11:43 AM	Ian Cornejo	University of Wisconsin-Madison, USA	P1.8 LROSE Tools to Estimate Surface Rain Rate
11:43 AM -11:44 AM	Deok-Du Kang	National Institute of Meteorological Sciences, Korea	P1.9 Quality Assessment of Wind Retrievals from SFMR of KMA/NIMS Atmospheric Research Aircraft
11:44 AM -11:45 AM	Simon Pfreundschuh	Colorado State University, USA	P1.10 The Chalmers Cloud Ice Climatology: A Spatially and Temporally Continuous Record of Ice Hydrometeor Concentrations
11:45 AM - 11:50 AM	Q&A for all Session 1 poster presenters		
LUNCH BREAK & Poster Session 1 (IN-PERSON) 11:50 PM - 1:25 PM			

Session 7: Cloud and Precipitation Microphysics (Chair: Angela Rowe)			
1:25 PM - 1:45 PM	Gyuwon Lee	Kyungpook National University, Korea	7.1 A Magic Layer Around -15°C: Dynamical And Microphysical Processes
1:45 PM - 2:00 PM	Ben Jong-Dao Jou	National Taiwan University, Taiwan	7.2 Extreme Rain Event and Related Microphysics in North Taiwan
2:00 PM - 2:15 PM	Michael M. Bell	Colorado State University, USA	7.3 Microphysics of Heavy Rainfall Observed during the Prediction of Rainfall Extremes Campaign In the Pacific (PRECIP) 2022
2:15 PM - 2:30 PM	Tadayasu Ohigashi	National Research Institute for Earth Science and Disaster Resilience, Japan	7.4 Mammatus-Like Echo Structure along the Base of the Typhoon Outflow-Layer Clouds Observed by Ka-Band Radar
2:30 PM - 2:45 PM	Wen-Chau Lee	National Center for Atmospheric Research, USA	7.5 The Airborne Phased Array Radar (APAR) Observing Simulator (AOS): Part I - Implementation of the AOS Prototype
2:45 PM - 3:00 PM	Bradley Klotz	National Center for Atmospheric Research, USA	7.6 Evaluating Microphysics and Precipitation Characteristics of Severe Weather Events with the Airborne Phased Array Radar (APAR) Observing Simulator
3:00 PM - 3:15 PM	Kenji Suzuki	Yamaguchi University, Japan	7.7 Microphysical Observation by Newly-Developed Particle Imaging Radiosonde “Rainscope”
BREAK 3:15 PM - 3:30 PM			
Session 8: Observations, Instruments and Algorithms (B) (Chair: Kao-Shen Chung)			
3:30 PM - 3:50PM	Hiroyuki Yamada	University of the Ryukyus, Japan	8.1 Relationship between the Warm Core and Typhoon Intensity based on In Situ Measurements
3:50 PM - 4:05 PM	Kun Zhao	Nanjing University, China	8.2 Dynamical and Microphysical Characteristics of Asymmetric Convection in the Outer Eyewall of Super Typhoon Lekima (2019)
4:05 PM - 4:20 PM	Satoki Tsujino	Meteorological Research Institute, Japan	8.3 A New Method to Estimate Circulations in Tropical Cyclones from Single-Doppler Radar Observations
4:20 PM - 4:35 PM	Chia-Lun Tsai	Chinese Culture University, Taiwan	8.4 High-resolution 3D wind fields in Seoul City: Discrepancy with observations and potentially scientific applications
4:35 PM - 4:50 PM	Chung-Chieh Wang	National Taiwan Normal University, Taiwan	8.5 Predicting Rainfall Forecast Quality of Westbound Typhoons in Taiwan through Machine Learning
4:50 PM - 5:05 PM	Haoran Li	Chinese Academy of Meteorological Sciences, China	8.6 Can Radar-Based QPE Reproduce the 201.9 mm Hourly Rainfall Accumulation Recorded at Zhengzhou, China?
5:05 PM - 5:20 PM	Shu-Chih Yang	National Central University, Taiwan	8.7 Applying the Multi-Scale Radar Ensemble Data Assimilation System to Investigate the Heavy Precipitation Episode during TAIHOPE/PRECIP-IOP3
Dinner Banquet at Rodizio Grill 6:00 PM - 8:00 PM			
END OF DAY 2			

Wednesday 05/24			
7:30 AM - 8:00 AM	Arrive & Breakfast		
Session 9: Mesoscale Convective Systems (B) (Chair: Xin Xu)			
8:00 AM - 8:15 AM	Jian-Feng Gu	Nanjing University, China	9.1 What Controlled the Low-Level Moisture Transport during the Extreme Precipitation in Henan Province of China in July 2021?
8:15 AM - 8:30 AM	Murong Zhang	Xiamen University, China	9.2 Impacts of Coastal Terrain on Warm-Sector Heavy-Rain-Producing MCSs in Southern China
8:30 AM - 8:45 AM	Hungjui Yu	Colorado State University, USA	9.4 Current and Future Convective Storm Modes over CONUS from GPM Observations and Convection-Permitting Regional Climate Model Simulations
8:45 AM - 9:00 AM	Ono Akiyuki	Kyoto University, Japan	9.5 Multifractal Properties of Water Vapor Flux, Turbulence, and Precipitation Particles Distribution in Organizing Process of Mesoscale Convective Systems
9:00 AM - 9:15 AM	Sun Wong	JPL California Institute of Technology, USA	9.6 Moisture Transport and Buoyancy in the Front and Wake of Tropical Convective Systems: HAMS R Sounding Observations in NASA CPEX Campaigns
9:15 AM - 9:35 AM	Angela Rowe	University of Wisconsin-Madison, USA	9.7 Initial Insights into Tropical Oceanic Mesoscale Convective Systems from the NASA Convective Processes Experiment – Cabo Verde (CPEX-CV)
BREAK 09:35 AM - 10:00 AM			
Session 10: High Impact Weather Prediction, Data Assimilation, and Machine Learning (B) (Chair: Seon-Ki Park)			
10:00 AM - 10:20 AM	Qinghong Zhang	Peking University, China	10.1 A Review of Research on the Record-Breaking Precipitation Event in Henan Province of China, July 2021
10:20 AM - 10:35 AM	Bruno Zanetti Ribeiro	University at Albany State University of New York, USA	10.2 Assessing the Predictability of Derecho-Producing Mesoscale Convective Systems Using a Convection-Allowing Ensemble
10:35 AM - 10:50 AM	Russ Schumacher	Colorado State University, USA	10.3 Sources of Forecast Errors for Extreme-Rain-Producing Mesoscale Convective Systems
10:50 AM - 11:05 AM	Buo-Fu Chen	National Taiwan University, Taiwan	10.4 Shrinking Circulation of Tropical Cyclones in the Warming Climate?
11:05 AM - 11:20 AM	Kristen Lani Rasmussen	Colorado State University, USA	10.5 Ingredients-Based Approach to Understanding Mesoscale Processes in Numerous Heavy Rainfall Events in Taiwan
11:20 AM - 11:35 AM	Rosimar Rios-Berrios	National Center for Atmospheric Research, USA	10.6 Sensitivity of Tropical Oceanic Convection to Horizontal Model Resolution in Idealized Simulations Forced with PRECIP Observations
Session P2: Mesoscale Convective Systems and Heavy Rainfall (Lightning Session, Chair: Chelsea Nam)			
11:35 AM -11:36 AM	Russ Schumacher	Colorado State University, USA	P2.1 Intense Surface Winds from Gravity Wave Breaking in Simulations of a Destructive Macrobust
11:36 AM -11:37 AM	Jiwon Hwang	Ulsan National Institute of Science and Technology, Korea	P2.2 Effects of Initial and Boundary Conditions on Heavy Rainfall Prediction over the Yellow Sea: Validation with Dropsonde Measurements
11:37 AM -11:38 AM	Angela Rowe	University of Wisconsin-Madison, USA	P2.3 Linking Microphysical Processes to Rainfall Intensity and Duration in Complex Terrain
11:38 AM -11:39 AM	Kana Fukuda	Kyoto University, Japan	P2.5 Integrated Physical Analysis of Past Line-shaped Convective Systems for Mechanisms Investigation
11:39 AM -11:40 AM	Yong-Chuan Yang	National Central University, Taiwan	P2.6 Case study of Cold-Air Damming induce Intensive Winter Precipitation in Northeast Taiwan
11:40 AM -11:41 AM	Jennifer DeHart	Colorado State University, USA	P2.7 Investigating the Relationships Between Rotation and Heavy Rainfall Along the Mei-yu Front During PRECIP 2022
11:41 AM -11:42 AM	Seungyeon Lee	Ewha Womans University, Korea	P2.8 Synoptic Pattern Classification of Heavy Rainfall Systems in Monsoon Season over the Korean Peninsula
11:42 AM -11:43 AM	Terra Ladwig	NOAA/OAR/GSL, USA	P2.9 Development of the Rapid Refresh Forecast System Data Assimilation System (RDAS) for an Expected Operational Implementation in 2024
11:43 AM -11:44 AM	Hongpei Yang	Sun Yat-sen University, China	P2.10 Gravity Waves Associated with Frontal Rainfall as a Preconditioning Mechanism for Warm-Sector Heavy Rainfall in South China
11:44 AM -11:45 AM	Soo-Hyun Kim	Seoul National University, Korea	P2.11 Numerical Study of Near-Cloud Aviation Turbulence Encounters over East Asia
11:45 AM -11:46 AM	Mitaki Satoh	Ibaraki University, Japan	P2.12 Numerical Experiments on Quasi-Stationary Band-Shaped Convective Systems formed by Self-Organization Processes under Horizontally Homogeneous Virtual Environments
11:46 AM -11:50 AM	Q&A for all Session 1 poster presenters		
LUNCH BREAK & Poster Session 2 (IN-PERSON) 11:50 PM - 1:25 PM			

Session 11: Orographic and Coastal Precipitation (Chair: Qinghong Zhang)			
1:25 PM - 1:45 PM	Yu Du	Sun Yat-sen University, China	11.1 The Impact of Coastal Marine Boundary Layer Jet on Rainfall in South China
1:45 PM - 2:00 PM	Giuseppe Torri	University of Hawai'i at Mānoa, USA	11.2 The Isotopic Composition of Rainfall on a Subtropical Mountainous Island
2:00 PM - 2:15 PM	Zoe Douglas	Colorado State University, USA	11.3 Topographic Influence on the Spectrum of Storm Modes Associated with Heavy Rainfall during the 2021 "PRE"-CIP Field Campaign in Northern Colorado
2:15 PM - 2:30 PM	Chenli Wang	Nanjing University, China	11.4 Synoptic Control on the Initiation and Rainfall Characteristics of Warm-season MCSs over the South China Coast
2:30 PM - 2:45 PM	Zijian Chen	Sun Yat-sen University, China	11.5 Effects of the Land–Sea Contrast and Topography on Diurnal Cycle of Precipitation over the Bay of Bengal
2:45 PM - 3:00 PM	Ian Cornejo	University of Wisconsin-Madison, USA	11.6 Orographic Controls on Precipitation Intensity and Duration Associated with a Mei-Yu Front
3:00 PM - 3:15 PM	Ting-Yu Cha	National Center for Atmospheric Research, USA	11.7 Three-Dimensional Variational Multi-Doppler Wind Retrieval over Complex Terrain
Session P3: Remote Poster Presentations (Lightning Session, Chair: Kristen Rasmussen)			
3:15 PM - 3:16 PM	Zhongxi Lin	Peking University, China	P3.1 Global Warming Intensifies Mesoscale Convective Systems During the Record-breaking Rainfall Event in July 2021 in Henan Province, China
3:16 PM - 3:17 PM	Ya-Nan Fu	Chinese Academy of Sciences, China	P3.2 Initiations of Mesoscale Convective Systems in the Middle Reaches of the Yangtze River Basin Based on FY-4A Satellite Data: Statistical Characteristics and Environmental Conditions
3:17 PM - 3:18 PM	Puxi Li	Chinese Academy of Meteorological Sciences, China	P3.3 Precipitation Characteristics of Mesoscale Convective Systems over East Asia: Regional Difference and Seasonal Variations, the Added Value of Convection-Permitting Simulation, and the Sensitivity of Simulated MCS to the Different Treatment of Deep Convection
3:18 PM - 3:19 PM	Tianhang Zhang	University of Manchester, UK	P3.4 Five-Year Climatology and Composite Study of Precipitation Bands associated with Extratropical Cyclones over the British Isles
3:19 PM - 3:20 PM	Wei-Ching Hsu	University of Georgia, USA	P3.5 Tracking Mesoscale Convection Systems in the US in E3SMv1 with Multiscale Modeling Framework
3:20 PM - 3:21PM	Chih-Chien Tsai	National Science and Technology Center for Disaster Reduction, Taiwan	P3.6 Rainfall Nowcasting Performance of the Extrapolation Adjusted by Model Prediction (ExAMP) Blending Schemes
3:21 PM - 3:22 PM	Haixia Mei	Nanjing Joint Institute for Atmospheric Sciences, China	P3.7 Sensitivity of Precipitation Diurnal Variation Forecast to the Cumulus Parameterization
3:22 PM - 3:23 PM	Dian-You Chen	National Taiwan University, Taiwan	P3.8 Precipitation Nowcasting Based on an Optimized Deep Learning Model Trained with Heterogeneous Weather Data
3:23 PM - 3:24 PM	Huiqin Hu	Qingdao University of Science and Technology, China	P3.9 Ensemble-Based Adaptive Observation for Improving Sea Fog Prediction in Coastal Regions around the Bohai Sea: A Case Study based on Cold-front Synoptic Pattern
3:24 PM - 3:25 PM	Yuhan Luo	Sun Yat-sen University, China	P3.10 The Roles of Low-level Jets in "21·7" Henan Extremely Persistent Heavy Rainfall Event
3:25 PM - 3:30 PM	Q&A for all first 10 poster presenters		
3:30 PM - 3:31PM	Tai-Hwa Hor	Lunghwa University, Taiwan	P3.11 Analysis on Weather Situations of the Ultralight Aircraft Incident on 7 January 2021 over the Complex Terrain in Southern Taiwan Based on the Mesonet Array and Radar Measurements
3:31 PM - 3:32 PM	Tianqi Zuo	University of Hawai'i at Manoa, USA	P3.12 Ingredient-Based Analysis for Extreme Rainfall Events in Taiwan
3:32 PM - 3:33 PM	Zong-Lin Wu	National Taiwan University, Taiwan	P3.13 Polarimetric Characteristics of a Stranded Meiyu Rainband in North Taiwan
3:33 PM - 3:34 PM	Minseo Yu	Ewha Womans University, Korea	P3.14 Comparison of Two Post-Monsoon Heavy Rainfall Events in South Korea.
3:34 PM - 3:35 PM	Tsubaki Hosokawa	National Taiwan University, Taiwan	P3.15 Observed Microphysical Characteristics of Orographic Precipitation Associated with Typhoon Chanthu (2021)
3:35 PM - 3:36 PM	Hwan Young Choi	Korea Maritime and Ocean University, Korea	P3.16 Investigation of Tropical Cyclone Intensification during Marine Heatwaves
3:36 PM - 3:37 PM	Yali Luo	Nanjing University of Information Science and Technology, China	P3.17 Convective and Microphysical Characteristics of Extreme Precipitation over the Pearl River Delta at Monsoon Coast
3:37 PM - 3:38 PM	Radiant Rong-Guang Hsiu	National Taiwan University, Taiwan	P3.18 Observation of Initial Stage of Thunderstorm in South Taiwan
3:38 PM - 3:39 PM	Chen-Hau Lan	National Central University, Taiwan	P3.19 The Variational Retrieved Raindrop Size Distribution by Moment-based Operators from Polarimetric Radar Measurements
3:38 PM - 3:39 PM	Yung-Yun Cheng	National Taiwan University, Taiwan	P3.20 An End-to-end Deep Learning Approach for Analyzing Tropical Cyclone 2-D Surface Winds Utilizing Satellite Data
3:40 PM - 3:45 PM	Q&A for all first all poster presenters		
BREAK 3:45 PM - 4:15 PM			
Poster Session 3 Virtual via Gather Town 4:15 PM - 5:30 PM			
END OF DAY 3			

Thursday 05/25			
7:30 AM - 8:00 AM	Arrive & Breakfast		
Session 12 High Impact Weather Prediction, Data Assimilation, and Machine Learning (C) (Chair: Yunji Zhang)			
8:00 AM - 8:15 AM	Yasutaka Wakazuki	Ibaraki University, Japan	12.1 Response Experiments of Heavy Rainfall Events to Global Warming
8:15 AM - 8:30 AM	Yu-Chieng Liou	National Central University, Taiwan	12.2 Finding the Missing Constants on Each Horizontal Layer in Thermodynamic Retrieval using Multiple-Doppler-Radar Synthesized Winds
8:30 AM - 8:45 AM	Junkyung Kay	National Center for Atmospheric Research, USA	12.3 Impact Study of Lower-Atmospheric Wind and Thermodynamic Profiles on Convective Weather Forecasts over the CONUS
8:45 AM - 9:00 AM	Danang Eko Nuryanto	Indonesian Agency for Meteorology Climatology and Geophysics, Indonesia	12.4 Developing a Rainfall Threshold for a Landslide Early Warning Aystem in a Data-Scarce Environment: A Prototype from the Kulon Progo Region in Yogyakarta, Indonesia
9:00 AM - 9:15 AM	Simon Pfreundschuh	Colorado State University, USA	12.5 High-Resolution Retrievals of Surface Precipitation and Hydrometeor Profiles from the GPM Microwave Imager
9:15 AM - 9:30 AM	Yoonjin Lee	Cooperative Institute for Research in the Atmosphere, USA	12.6 Validating GOES Radar Estimation via Machine Learning to Inform NWP (GREMLIN) product over CONUS
9:30 AM - 9:45 AM	Aaron J. Hill	Colorado State University, USA	12.7 Leveraging the Power of Machine Learning for Excessive Rainfall Forecasting
BREAK 09:45 AM - 10:00 AM			
Session 13: Mesoscale Convective Systems (C) (Chair: Hung-Chi Kuo)			
10:00 AM - 10:20 AM	Ming-Jen Yang	National Taiwan University, Taiwan	13.1 Deep Convection of IOP 2 case during TAIHOPE 2022
10:20 AM - 10:35 AM	Shak Md Shajedul Karim	North Carolina A&T State University, USA	13.2 Moist Flow Regime Transition and Heavy Orographic Rainfall Formation Mechanisms During Super Typhoon Netpartak 's Passage over Taiwan's Central Mountain Range
10:35 AM - 10:50 AM	Hiroki Tsuji	University of Tokyo, Japan	13.3 The Role of Free-Tropospheric Moisture Convergence for Rainfall Events in Western Japan
10:50 AM - 11:05 AM	Man-Yau Chan	National Center for Atmospheric Research, USA	13.4 A High-Resolution Tropical Mesoscale Convective System Reanalysis (TMcCSR)
11:05 AM - 11:20 AM	Xingchao Chen	Pennsylvania State University, USA	13.5 Role of Diurnal Gravity Waves in MCS initiation and Tropical Cyclogenesis over the Bay of Bengal
11:20 AM - 11:35 AM	Christopher Hartman	Pennsylvania State University, USA	13.6 Initial Moisture Impacts on Tropical Cyclogenesis Forecasts as Seen through All-Sky Radiance-Based Ensemble Data Assimilation Experiments
11:35 AM - 11:50 AM	Chelsea Nam	Colorado State University, USA/ Kyungpook National University, Korea	13.7 Monsoon Tail Rainband in the Western North Pacific and Tropical Cyclogenesis
Closing Remarks and Announcement of next ICMCS 11:50 AM - 12:20 PM			
Excursion to Rocky Mountain National Park			