

The 4th TRMM and GPM International Science Conference

November 13-16, 2012, Akihabara UDX GALLERY NEXT, Tokyo, Japan

Poster Program (final)

PLEASE NOTE that poster size is **A0 portrait**.

DAY-1: November 13 (Tuesday) 15:10 - 16:40 (Room NEXT 2)

1. Ensembe of Bagged Decision Trees to Discriminate Rain/No Rain Status from the TRMM Microwave Imager
Tanvir Islam (University of Bristol)
2. Understanding and Modeling Land Surface Microwave Emissivity Dynamics to Support GPM Radiometer Retrievals
Yudong Tian (NASA/GSFC and Univ. of Maryland)
3. Precipitation Estimation for Typhoon in North Western-Pacific using Bayesian Approach
Nan-Ching Yeh (Chung Cheng Institute of Technology, National Defense University)
4. A Development of Rain/No-rain Classification Methods for Microwave Radiometer Observation over High-elevations
Munehisa Yamamoto (Kyoto University)
5. Estimates of the Covariance between Surface Emissivity and Surface Radar Cross Section Derived from 15 Years of TRMM PR and TMI Data
Stephen J. Munchak (University of Maryland/NASA GSFC)
6. Developing a Passive Microwave Algorithm for Precipitation Detection and Classification: Diagnosing the Stratiform and Convective Precipitation Areas and Implications for the Subsequent Rain Retrievals
Svetla M. Hristova-Veleva (UCLA/JIFRESSE/JPL)
7. An EOF Analysis of Microwave Land Surface Emissivity to Improve Emissivity Estimation for Rain Retrieval Algorithms
Fumie Akimoto Furuzawa (Nagoya University)
8. Improvement of Rain/No-rain Classification Methods for Microwave Radiometer Observations over Coast Using a High Resolution Land–Sea Mask
Tomoaki Mega (Kyoto University)
9. The Development and Validation of a 14-Year TRMM Composite Climatology of Tropical Rainfall using Version 7 Data
Jian-Jian Wang (NASA/GSFC)
10. EUMETSAT Hydrological Satellite Application Facility, the Precipitation Products Generation Suite at C.N.M.C.A.
Daniele Biron (Centro Nazionale di Meteorologia e Climatologia Aeronautica)
11. 15-year Operation History of TRMM/PR
Tomomi Nio (JAXA/MOSS)

12. Overview of GPM Mission Operation System and Data Distribution from TRMM to GPM
Tomomi Nio (JAXA/MOSS)
13. Development of New Diagnostic Tools to Evaluate NWP Precipitation Products using TRMM/GPM Satellite Observations
Paul A. Kucera (NCAR)
14. A Satellite Study of Quasi 2-day Oscillation
Yukari Sumi (Nagoya University)
15. Trends of the Global Rain Rates Observed by the TRMM Precipitation Radar
Ken'ichi Okamoto (Tottori University of Environmental Studies)
16. Cross Validation of TRMM Precipitation Radar and Ground Radar Reflectivities (CANCELED)
Jianxin Wang (NASA)
17. Expanding Ground Validation Efforts from TRMM to GPM
David Marks (Science Systems and Applications, Inc. / NASA GSFC)
18. Measurement of k-Ze Relationship of Snow Using a Dual Ka-band Radar System for GPM/DPR Algorithm Development
Masanori Nishikawa (Nagoya University)
19. Comparison of Precipitation Observations from TRMM/PR and Ground-based Ku-band Broadband Radar
Yoshitaka Nakamura (Kobe City College of Technology)
20. Ground-based Raindrop Size Distribution Observation for TRMM/PR and GPM/DPR Algorithm Development
Katsuhiro Nakagawa (NICT)
21. Comparison of Annual Rainfall Observed by TRMM/PR and AMeDAS Ground Rain Gauge Network
Nozomi Kawamoto (RESTEC)
22. The Difference in Rainfall between Raingauges and GSMaP Data in Hue city – Mountain Pass Role
Binh Thi Thanh Nguyen (Vietnam's NHMS)
23. Status on Direct Validation and Rain Characteristics over the Korean Peninsula
Mi-Lim Ou (Korean National Institute of Meteorological Research)
24. Six Years of TRMM Validation Network Observations
Mathew Schwaller (NASA/GSFC)
25. Parametric Form of the Raindrop Size Distribution (CANCELED)
Ali Tokay (JCET/UMBC - NASA/GSFC)
26. In-flight Calibration Plan for GPM/DPR
Hiroshi Hanado (NICT)
27. Bridging Ground Validation and Satellite Algorithms: Scattering and Integral Tables to Incorporate Observed DSD Relationships into Satellite Algorithms
Walter Petersen / David B. Wolff on behalf of Christopher R. Williams (University of Colorado Boulder)
28. Evolution of Precipitation Ground Validation: The Wallops Precipitation Research Facility
David B. Wolff (NASA Wallops Flight Facility)

DAY-3: November 15 (Thursday) 14:50 - 16:20 (Room NEXT 2)

1. Reduction of Non-uniform Beam Filling Effects by Vertical Decorrelation: Theory and Simulation
David Short (NASA/GSFC)
2. An Extensive Collection of Single-Scattering Parameters for Pristine and Aggregate Ice Particles in Support of Combined Algorithm Development
Kwo-Sen Kuo (NASA GSFC/ESSIC)
3. A Precipitation Regime Classification by Local Meteorological State
Atsushi Hamada (The University of Tokyo)
4. Spectral Retrieval of Latent Heating Profiles from TRMM PR data: Version-7 Heating Products
Shoichi Shige (Kyoto University)
5. Evaluation of TRMM V7 Latent Heating Products using Rawinsonde Network Budget Analyses
Paul E. Ciesielski (Colorado State University)
6. A Statistical Study on Axial Asymmetry in Tropical Cyclone Rainfall Using Satellite Data
Koichi Toyoshima (Nagoya University)
7. TRMM-observed Shallow vs. Deep Convection in the Eastern Pacific Related to Meridional Circulations in Reanalysis Datasets
Chie Yokoyama (University of Utah)
8. An Ocean Mixed Layer Heat Budget Analysis and the Temporal Variability of Tropical Sea Surface Temperature
Kaya Kanemaru (Nagoya University)
9. Precipitation Characteristics over the Southeast Asia Monsoon Region: Comparison between Different Rainfall Datasets
Hiroshi G. Takahashi (Tokyo Metropolitan University/JAMSTEC)
10. Seasonal Differences of Cloud Activity between the Pre-monsoon and Monsoon Periods over the Australian Monsoon Region
Yae Aiba (Tokyo Metropolitan University)
11. Vertical Structures of Tropical Cyclones' Eyewall Observed by Microwave Radiometers
Kazuhiro Manabe Kitani (Kyoto University)
12. Precipitation Characteristics Associated with Convectively Coupled Equatorial Waves (CANCELED)
Kauzaki Yasunaga (JAMSTEC)
13. Global Flood and Landslide Estimation Using TRMM-based Satellite Precipitation Information
Robert Adler (University of Maryland)
14. Flood Detection at Poorly Gauged Basins in South-East Asia by Using Distributed Hydrological Model Forced by TRMM
Masahiro Ryo (Tokyo Institute of Technology)
15. Evaluation of Cloud Microphysics Schemes in Simulations of a Winter Storm Using Radar and Radiometer Measurements
Mei Han (NASA/GSFC)
16. A Robust Observation Operator to Assimilate All-sky TMI Microwave Radiances into Hurricane-WRF
Ziad S. Haddad (NASA/JPL)

17. Characteristics of Microphysical Schemes Compared with the TRMM/TMI and PR Observations
Geunhyeok Ryu (Korean National Institute of Meteorological Research)
18. Evaluation of GSMaP Precipitation Estimates over Blue Nile Basin in Africa
Osama Ragab Ibrahim (Osaka University)
19. Performance of the TRMM PR in Distinct Synoptic Regimes Over Southeast Texas
Aaron Funk (Texas A&M University)
20. TRMM PR 2A23 Version 7 Rain Types
Aaron Funk (Texas A&M University)
21. Moving the U.S. Multi-Satellite Algorithm from TRMM to GPM
George J. Huffman (NASA/GSFC)
22. Spatial Patterns of Summer Precipitation around the Himalayas and the Mountainous Western Coast of India and Myanmar Revealed by TRMM
Dibas Shrestha (Nagoya University)
23. TRMM Observed Characteristics of Monsoon Rainfall over Bangladesh from 2001 to 2010 (CANCELED)
Choudhury Md. Mukammel Wahid (Tokyo Metropolitan University)
24. Possibility of Dual-frequency Precipitation SAR (PSAR) to Achieve High-spatial Resolution 3-D Rain Structure from Space
Toshiaki Kozu (Shimane University)
25. On the Future Cloud and Precipitation Observation Missions
Nobuhiro Takahashi (NICT)
26. Evaluation of the TRMM Real Time Multi-satellite Precipitation Analysis for Macroscale Hydrologic Prediction
Dennis P. Lettenmaier (University of Washington)