



The 9th Asia/Oceania Meteorological Satellite User's Conference

Jakarta, 8 – 10 October 2018

October 8th, Monday

| ID | Start | End | Duration (hour) | Item | Contact |
|-------------------------|----------|----------|-----------------|---|-------------------------------|
| | 07:30 AM | 08:30 AM | 1:00 | Registration | |
| OPENING CEREMONY | | | | | |
| | 08:30 AM | 09:00 AM | 0:30 | Indonesian Traditional Dance | |
| OC – 1 | 09:00 AM | 09:05 AM | 0:05 | Chair ICSC | Dr. James F.W. Purdom |
| OC – 2 | 09:05 AM | 09:10 AM | 0:05 | Director General of BMKG Indonesia | Prof. Dwikorita Karnawati |
| OC – 3 | 09:10 AM | 09:15 AM | 0:05 | President of RA V | Dr. Andi Eka Sakya |
| OC – 4 | 09:15 AM | 09:20 AM | 0:05 | Senior Principal Research Scientist, BoM | Prof. John Francis Le Marshal |
| OC – 5 | 09:20 AM | 09:25 AM | 0:05 | Deputy Administrator of CMA | Dr. Xinwen YU |
| OC – 6 | 09:25 AM | 09:30 AM | 0:05 | Chief Scientist of EUMETSAT | Dr. Kenneth Holmlund |
| OC – 7 | 09:30 AM | 09:35 AM | 0:05 | Senior Supervisor for Satellite Operations of Satellite Program Division, JMA | Dr. Hiroshi Kunimatsu |
| OC – 8 | 09:35 AM | 09:40 AM | 0:05 | Director of Earth Observation Research Center JAXA | Prof. Teruyuki Nakajima |
| OC – 9 | 09:40 AM | 09:45 AM | 0:05 | Director of Satellite Development Division of NMSC Korean Meteorological Administration | Dr. Seonghoon Cheong |
| OC – 10 | 09:45 AM | 09:50 AM | 0:05 | Chief Program Scientist, NOAA/NESDIS | Dr. Mitchell Goldberg |
| OC – 11 | 09:50 AM | 10:55 AM | 0:05 | Director of State Research Center for Space Hydrometeorology Planeta, Roshydromet | Prof. Vasily Asmus |
| OC – 12 | 09:55 AM | 10:00 AM | 0:05 | Expert, ROSCOSMOS | Aleksandr Chunosov |
| OC – 13 | 10:00 AM | 10:05 AM | 0:05 | Chief of the Satellite Data Utilization | Dr. Werner Balogh |

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| | | | | Division, World Meteorological Organization | |
| | 10:05 AM | 10:40 AM | 0:35 | Break and Group Photo | |
| | SESSION 1: CURRENT AND FUTURE METEOROLOGICAL SATELLITE PROGRAMS AND USER ACTIVITIES/PLANS WITHIN ASIA/OCEANIA (Chair: Dr. James F.W. Purdom, Co-Chair: Riris Adriyanto, M.Si) | | | | |
| S1 – 1 | 10:45 AM | 11:05 AM | 0:20 | Opportunities From The New Generation Satellites Abstract Presentation | Dr. James F.W. Purdom, Chair ICSC |
| S1 – 2 | 11:05 AM | 11:25 AM | 0:20 | NOAA's Next Generation Meteorological and Environmental Satellites Abstract Presentation | Dr. Mitchell Goldberg, NOAA USA |
| S1 – 3 | 11:25 AM | 11:45 AM | 0:20 | Monitoring Weather and Climate from Space Abstract Presentation | Dr. Kenneth Holmlund, EUMETSAT Germany |
| S1 – 4 | 11:45 AM | 12:05 PM | 0:20 | Key Satellite Activities at The Bureau of Meteorology Abstract Presentation | Prof. John Francis Le Marshal, BoM Australia |
| | 12:05 PM | 13:00 PM | 0:55 | Lunch | |
| S1 – 5 | 13:00 PM | 13:20 PM | 0:20 | Current Status and Future Program of Fengyun Meteorological Satellites Abstract Presentation | Dr. Peng Zhang, CMA China |
| S1 – 6 | 13:20 PM | 13:40 PM | 0:20 | Status of COMS and GeoKOMPSAT-2A Programs Abstract Presentation | Dr. Chu-Yong Chung, KMA South Korea |
| S1 – 7 | 13:40 PM | 14:00 PM | 0:20 | Overview of Current and Future Himawari Satellite Programs Abstract Presentation | Hiroshi Kunimatsu, JMA Japan |
| S1 – 8 | 14:00 PM | 14:20 PM | 0:20 | Current State and Prospects of Russian Earth Observation Satellite Systems Abstract Presentation | Prof. Vasily Asmus, ROSHYDROMET Russia |
| S1 – 9 | 14:20 PM | 14:40 PM | 0:20 | WMO Space Programme Abstract_ Presentation | Dr. Werner Balogh, WMO |
| S1 – 10 | 14:40 PM | 15:00 PM | 0:20 | Satellite Data utilization To Support Disaster Risk Reduction Plans in Indonesia Abstract Presentation | Dr. Mulyono R. Prabowo, BMKG Indonesia |

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|---|--------------|----------|--------------|---|--|
| S1 – 11 | 15:00 PM | 15:20 PM | 0:20 | Research, Development, and Application of Meteorological Satellites for Environment, Natural Resource and Disaster Management at LAPAN Abstract Presentation | Halimurrahman on behalf of Prof. Dr. Thomas Djameluddin, LAPAN Indonesia |
| | 15.20 PM | 16.00 PM | 0:40 | Break | |
| SESSION 2: CAPACITY BUILDING AND TRAINING ACTIVITY (Chair: Prof. B.J Sohn, Co-Chair: Drs. R. Mulyono Rahadi Prabowo, M.Sc) | | | | | |
| S2 – 1 | 16:05 PM | 16:20 PM | 0:15 | (Benefits of) 18 Years of Interactions between WMO VLab Members to Ensure Satellite Usage Through Training and Promote Capacity Building Abstract Presentation | Dr. Hyesook Park, KMA South Korea |
| S2 – 2 | 16:20 PM | 16:35 PM | 0:15 | Satellite Meteorology Training in WMO RA V during 2017/2018: The Australian VLab Centre of Excellence Experience Abstract Presentation | Bodo Ivar Zeschke, BoM Australia |
| S2 – 3 | 16:35 PM | 16:50 PM | 0:15 | BMKG InaRTC Online Learning Activities: Challenges of Meteorological Satellite Utilization in Determining Indonesia Local Scale Weather Characteristic Abstract Presentation | Ratih Prasetya on behalf of Maman Sudarisman, Pusdiklat BMKG Indonesia |
| S2 – 4 | 16:50 PM | 17:05 PM | 0:15 | The Power of International Coordination for Integrated Earth Observations Abstract Presentation | Mitch Goldberg on behalf of Mary Ann Kutny, NESDIS NOAA USA |
| | Total | | 09:15 | | |
| WELCOME DINNER | | | | | |

October 9th, Tuesday

| ID | Start | End | Duration (hour) | Item | Contact |
|---|----------|----------|-----------------|---|--|
| SESSION 3: ATMOSPHERIC PARAMETERS DERIVED FROM SATELLITE OBSERVATIONS (Chair: Dr. Fuzhong Weng, Co-Chair: Dr. Urip Haryoko, M.Si) | | | | | |
| S3 - 1 | 08:30 AM | 08:45 AM | 0:15 | Development and validation of AIRS dust height using deep learning model with CALIOP data Abstract Presentation | Hanbyul Lee, NMSC KMA South Korea |
| S3 - 2 | 08:45 AM | 09:00 AM | 0:15 | Processing, quality controls and performances of FY3C/3D GNOS data Abstract Presentation | Mi Liao, NSMC CMA China |
| S3 - 3 | 09:00 AM | 09:15 AM | 0:15 | Atmospheric boundary-layer flow retrievals from Himawari-8 images using thermal image velocimetry Abstract Presentation | Muhammad Rezza Ferdiansyah, Tokyo Institute of Technology Japan |
| S3 - 4 | 09:15 AM | 09:30 AM | 0:15 | Surface Solar Radiation Estimation In Malang Using IR1 Channel Satellite Data Regression Abstract Presentation | Rikha Rizki Mahmudiah, STMKG Indonesia |
| | 09:30 AM | 09:45 AM | 0:15 | Break | |
| SESSION 4: SATELLITE PRECIPITATION MEASUREMENTS (Chair: Dr. Mark Anthony Broomhall, Co-Chair: Ana Oktavia Setiowati, M.Si) | | | | | |
| S4 - 1 | 09:50 AM | 10:05 AM | 0:15 | Toward a Blended Australian Rainfall Product: Evaluating Satellite Convective Rainfall. Abstract Presentation | Dr. Mark Anthony Broomhall, BoM Australia |
| S4 - 2 | 10:05 AM | 10:20 AM | 0:15 | GEO-KOMPSAT-2A AMI Algorithms for Precipitation Products: Status and Ongoing Works Abstract Presentation | Dr. Yuri Lee on behalf of Prof. Dong-Bin Shin, Yonsei University South Korea |
| S4 - 3 | 10:20 AM | 10:35 AM | 0:15 | Implementation of Artificial Neural Network Multi Layer Perceptrons Algorithm on Rainfall Estimation (Case Study: Heavy Rain during Dry Season on Juni 23rd -24th, 2018) Abstract Presentation | Nanda Alfuadi, BMKG Indonesia |
| S4 - 4 | 10:35 AM | 10:50 AM | 0:15 | Evaluation of Satellite-Based Precipitation Products in Capturing Precipitation Extremes | Siswanto on behalf of Supari, BMKG |

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| | | | | Over Indonesia Abstract Presentation | Indonesia |
| | 10:50 AM | 12:20 PM | 1:30 | POSTER SESSION | |
| | 12:20 PM | 13:25 PM | 1:05 | Lunch | |
| | SESSION 5: FACILITATION OF DATA ACCESS AND UTILIZATION (Chair: Dr. Hiroshi Kunimatsu; Dr. R. Balogh, MA, M.Sc, Co-Chair: Riris Adriyanto, M.Si) | | | | |
| S5-1 | 13:30 PM | 13:45 PM | 0:15 | Support to WMO Members to Ensure Operational Access to and Use of Satellite Data and Products Abstract Presentation | Dr. Mikael Rattenborg, WMO |
| S5 - 2 | 13:45 PM | 14:00 PM | 0:15 | Visualizing Himawari and GOES-R imagery with the Satellite Information Familiarization Tool Abstract Presentation | Dr. Jordan Joel Gerth, University of Wisconsin-Madison USA |
| S5 - 3 | 14:00 PM | 14:15 PM | 0:15 | GOES-R Series Products and Future Application Abstract Presentation | James Purdom on behalf of Dan Lindsey, NOAA NESDIS |
| S5 - 4 | 14:15 PM | 14:30 PM | 0:15 | CSPP GEO: Software for Processing Direct Broadcast Data Abstract Presentation | Jessica Braun, CIMSS USA |
| S5 - 5 | 14:30 PM | 14:45 PM | 0:15 | CSPP LEO Software: Supporting Global Direct Broadcast Polar Orbiter Satellite Applications Abstract Presentation | Prof. Kathleen Strabala, CIMSS SSEC USA |
| S5 - 6 | 14:45 PM | 15:00 PM | 0:15 | Status and Utilization of Fengyun Geostationary Satellites Abstract Presentation | Xiaohu Zhang, NSMC CMA China |
| S5 - 7 | 15:00 PM | 15:15 PM | 0:15 | Application of FY-3' Products in Weather Climate Analysis and Environment Disaster Abstract Presentation | Prof. Song Yan Gu, NSMC CMA China |
| S5 - 8 | 15:15 PM | 15:30 PM | 0:15 | Usage of Himawari-8 data to develop LV2 product algorithms of GEO-KOMPSAT-2A Abstract Presentation | Kim Taehyun, NMSC KMA South Korea |
| | 15:30 PM | 16:00 PM | 0:30 | Break | |
| S5 - 9 | 16:00 PM | 16:15 PM | 0:15 | Data Service Plan of Geo-KOMPSAT-2A | Shin Ah-Young, |

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| | | | | Abstract Presentation | NMSC KMA South Korea |
| S5 - 10 | 16:15 PM | 16:30 PM | 0:15 | Ground Segment of the GK-2A Meteorological Satellite Abstract Presentation | Dr. Won Chan Jung, ETRI South Korea |
| SESSION 6: APPLICATION OF SATELLITE DATA FOR CLIMATE AND ENVIRONMENTAL MONITORING (Chair: Prof. Teruyuki Nakajima; Dr. Chu-Yong Chung, Co-Chair: Dr. Yunus S. Swarinoto) | | | | | |
| S6 - 1 | 16:35 PM | 16:50 PM | 0:15 | Short-lived climate pollutant issues on the earth's climate change phenomenon Abstract Presentation | Prof. Teruyuki Nakajima, JAXA Japan |
| S6 - 2 | 16:50 PM | 17:05 PM | 0:15 | Polarizing rain types linked to June drought in the Korean peninsula over last 20 years Abstract Presentation | Prof. B.J Sohn, Seoul National University South Korea |
| S6 - 3 | 17:05 PM | 17:20 PM | 0:15 | JPSS Data Products and Applications for Environmental Monitoring Abstract Presentation | Lihang Zhou, NOAA USA |
| S6 - 4 | 17:20 PM | 17:35 PM | 0:15 | Use of OMI-AURA satellite data to analyse the characteristics of ozone and UV index in Indonesia Abstract Presentation | Dr. Ninong Komala, LAPAN Indonesia |
| | Total | | 09:05 | | |

October 10th, Wednesday

| ID | Start | End | Duration (hour) | Item | Contact |
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| SESSION 7A: APPLICATION OF SATELLITE DATA TO WEATHER ANALYSIS AND DISASTER MONITORING, NOWCASTING AND FORECASTING (Chair: Prof. Vasily Asmus; Dr. HL Allen Huang, Co-Chair: Nurhayati, M.Sc) | | | | | |
| S7A - 1 | 08:30 AM | 08:45 AM | 0:15 | Introduction to user readiness process for Geo-Kompsat-2A meteorological products development Abstract Presentation | Sangjin Lee, KMA South Korea |
| S7A - 2 | 08:45 AM | 09:00 AM | 0:15 | Characteristics of satellite products for the detection of Asian dust compared to surface observations Abstract Presentation | Jeongho Park, NMSC KMA South Korea |
| S7A - 3 | 09:00 AM | 09:15 AM | 0:15 | Using the New Generation of Geostationary and Polar Satellite Data in Monitoring Flooding and Fires Abstract Presentation | Dr. Mitchell D. Goldberg, NOAA USA |
| S7A - 4 | 09:15 AM | 09:30 AM | 0:15 | Rayleigh correction of Himawari-8 Advanced Himawari Imager data for the production of vivid true colour imagery Abstract Presentation | Dr. Mark Anthony Broomhall, BoM Australia |
| S7A - 5 | 09:30 AM | 09:45 AM | 0:15 | Utilization of Infrared and Water Vapor Channel Combination in Making the Modification of RGB Composite for Nighttime Convective Cloud Monitoring (Case Study of Tropical Cyclone Cempaka and Dahlia) Abstract Presentation | Bony Septian Pandjaitan, BMKG Indonesia |
| S7A - 6 | 09:45 AM | 10:00 AM | 0:15 | Convective Scale Interaction Abstract Presentation | Dr. James F.W. Purdom, CIRA USA |
| S7A - 7 | 10:00 AM | 10:15 AM | 0:15 | Convective Cloud Information (CCI) product for SIGMET coordination groups derived from Himawari-8 datasets Abstract Presentation | Yusuke Ioka, MSC JMA Japan |
| | 10:15 AM | 10:30 AM | 0:15 | Break | |
| SESSION 7B: APPLICATION OF SATELLITE DATA TO WEATHER ANALYSIS AND DISASTER MONITORING, NOWCASTING AND FORECASTING | | | | | |

| (Chair: Prof. Alexander Uspensky; Dr. Kenneth Holmlund, Co-Chair: Dr. Endarwin, M.Si) | | | | | |
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| S7B - 1 | 10:35 AM | 10:50 AM | 0:15 | A Unique Flood Monitoring Technique based on Pseudo-color RGB Imagery using Geo and Leo Satellite Observations Abstract Presentation | Prof. Sungwook Hong, Sejong University South Korea |
| S7B - 2 | 10:50 AM | 11:05 AM | 0:15 | Satellite Imagery for Identifying The Track of Northerly Cold Surge Abstract Presentation | Agita Vivi Wijayanti, BMKG Indonesia |
| S7B - 3 | 11:05 AM | 11:20 AM | 0:15 | The use of Himawari-8 data and data composites in developing case studies within the Australasia-Pacific region: The Australian VLab Centre of Excellence experience Abstract Presentation | Bodo Ivar Zeschke, BoM Australia |
| S7B - 4 | 11:20 AM | 11:35 AM | 0:15 | Typhoon Maria Observed from Fy-3/4 Satellites Abstract Presentation | Dr. Fuzhong Weng, CMA China |
| S7B - 5 | 11:35 AM | 11:50 AM | 0:15 | Monitoring Tropical Storms with EUMETSAT Satellite Data Abstract Presentation | Dr.Kenneth Holmlund, EUMETSAT Germany |
| S7B - 6 | 11:50 AM | 12:05 PM | 0:15 | Study of Cyclogenesis for Three Tropical Cyclone in West Pacific (TC HAIMA, MERANTI and NERPATAK) with single analysis channel WV and RGB air mass technique Abstract Presentation | Rion Suaib Salman, BMKG Indonesia |
| | 12:05 PM | 13:05 PM | 1:00 | Lunch | |
| SESSION 8: APPLICATION OF SATELLITE DATA TO NUMERICAL WEATHER PREDICTION (Chair: Prof. John Francis Le Marshal, Co-Chair: Muhammad Rezza Ferdiansyah, M.Sc) | | | | | |
| S8 - 1 | 13:10 PM | 13:25 PM | 0:15 | Comparison of High and Low Resolution Sea Surface Temperature Satellites Data Assimilation Using Atmosphere-Ocean Model : A Multi-Model Approach Abstract Presentation | Khafid Rizki Pratama, STMKG Indonesia |
| S8 - 2 | 13:25 PM | 13:40 PM | 0:15 | AI and Big Data for Satellite Data Application Abstract Presentation | Dr. HL Allen Huang, University of Wisconsin USA |
| S8 - 3 | 13:40 PM | 13:55 PM | 0:15 | Implementation The Artificial Intelligence Algorithm on Weather Nowcasting using | Agie Wandala Putra, BMKG Indonesia |

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| | | | | Himawari-8 in Indonesia Abstract Presentation | |
| SESSION 9: LAND SURFACE AND OCEAN PARAMETERS DERIVED FROM SATELLITE OBSERVATIONS (Chair: Dr. Peng Zhang, Co-Chair: Agie Wandala Putra, M.Sc) | | | | | |
| S9 - 1 | 14:00 PM | 14:15 PM | 0:15 | Mapping Air - Sea Parameter Risk Index Based on Meteorological Review to Support the Operational Works of Sea Tol Road Program Abstract Presentation | Anistia Malinda Hidayat, STMKG Indonesia |
| S9 - 2 | 14:45 PM | 15:00 PM | 0:15 | Mapping of Pearl Oyster Potential Cultivation Areas (Pinctada Maxima) using Satellite Imagery based on Hydrometeorological Parameters on Seasonal Patterns in the Waters of Lombok, Nusa Tenggara Barat Abstract Presentation | Abdul Hamid Al Habib, STMKG Indonesia |
| S9 - 3 | 15:00 PM | 15:15 PM | 0:15 | Rapid Hotspot Detection using Himawari-8 (GeoHotspot) Abstract Presentation | Alpon Sepriando, BMKG Indonesia |
| | 15:15 PM | 15:30 PM | 0:15 | Break | |
| SESSION 10: GLOBAL SPACED-BASED INTER-CALIBRATION SYSTEM (GSICS) (Chair: Dr. Mitchell Goldberg, Co-Chair: Andersen L. Panjaitan, M.Sc) | | | | | |
| S10 – 1 | 15:35 PM | 15:50 PM | 0:15 | Himawari-8,9/AHI Radiometric Calibration and Validation on GSICS: Their Importance and Benefits Abstract Presentation | Yusuke Yogo, MSC JMA Japan |
| S10 – 2 | 15:50 PM | 16:05 PM | 0:15 | Development of Cal/Val website for Russian Meteorological Satellites Abstract Presentation | Prof. Alexander Uspensky, SRC Planeta Russia |
| S10 – 3 | 16:05 PM | 16:20 PM | 0:15 | Early orbit performance evaluation of FY-3D optical sensors using CMA GSICS platform Abstract Presentation | Dr. Xiuqing Hu, NSMC CMA China |
| S10 – 4 | 16:20 PM | 16:35 PM | 0:15 | FY-3D HIRAS On-orbit Performance: Provisional Version Abstract Presentation | Dr. Chunqiang Wu, NSMC CMA China |
| | 16:35 PM | 17:35 PM | 1:00 | Panel Discussion | |
| | 17:35 PM | END | | Summary and Closure | |

