

Abstract for 3rd AOMSU Conference and Sessions				
	<b>TUESDAY, OCTOBER 9 (DAY 1)</b>			
08:30~09:00	<b>Registration</b>			
09:00-09:20	<b>CONFERENCE OPENING</b>			Opening Remarks and Logistics
<b>Session 1 : KEYNOTE</b>				
09:20~09:45	Wenjian	Zhang	Director, WMO/OBS	WMO's Integrated Global Observing System
09:45~10:10	Barbara	Ryan	GEO	GEO
10:10-10:30	MORNING BREAK			
<b>Session 2 : Current and Future Satellite Programs and Systems</b>				
10:30-10:50	Hee-Sang	Lee	KMA/NMSC	Current Status and Future plan of KMA
10:50-11:10	Koon-Ho	Yang	KARI	Korean Satellite Programs for Geostationary Meteorological Observation
11:10-11:30	Marianne	König	EUMETSAT	EUMETSAT's Satellite Programs
11:30-11:50	Ashok Kumar	Sharma	IMD	Status of India Stellite Programs
11:50-13:00	LUNCH			
13:00-13:20	Naimeng	Lu	Deputy Director Genetral of NSMC	The Program of Chinese Polar-orbiting Meteorological Satellite and Data Application
13:20-13:40	Masanori	Obayashi	JMA	Status of Current and Future Satellite Programs of Japan Meteorological Agency
13:40-14:00	Al	Powell	NOAA/NESDIS	Status of Current and Future NOAA Satellite Programs
14:00~14:20	Oleg Mikhailovich	Pokrovksy	Main Geophysical Observation/ ROSHYDROMET	OVERVIEW OF SATELLITE REMOTE SENSING ACTIVITY IN ROSHYDROMET ADDRESSED TO METEOROLOGICAL TASKS IN RA-2
14:20-15:00	BREAK and <b>POSTER SESSION</b>			

<b>Session 3 : Instrument Status / Operation</b>				
15:00-15:20	Han-Dol	Kim	KARI	COMS: the Present and the Future
15:20-15:40	Keiji	Imaoka	JAXA	Current status of GCOM-W1 and AMSR2 instrument
15:40-16:00	Kouki	Mouri	MSC/JMA	Rapid Scan Operation by MTSAT-1R
16:00-16:20	Jae-Gwan	KIM	NMSC/KMA	Current Status and Trend Analysis of COMS MI Radiometric Performances
16:20-16:40	Edward	Kim	NASA Goddard Space Flight Center	The Advanced Technology Microwave Sounder (ATMS): First Year On-Orbit
16:40-16:50	STRETCH BREAK			
<b>Session 4 : Future Application and Systems</b>				
16:50-17:10	Mitchell David	Goldberg	NOAA/NESDIS	Status of the JPSS Program
17:10-17:30	Daniel	Karlson	NOAA/NASA GOES-R Program Goddard Space Flight Center	A Status Update of the GOES-R Series Program
17:30-17:50	Yoshihiko	Tahara	MSC/JMA	Preparation for Himawari-8/9 Products
17:50-17:10	Allen	Huang	SSEC/CIMSS UW-Madison	The Next Generation of GEO Hyperspectral Infrared Imaging Sounder (1st paper)
18:10-18:15	END OF DAY ANNOUNCEMENTS			
18:30-20:30	ICE BREAKER			

WEDNESDAY, OCTOBER 10 (DAY 2)				
08:50-09:00	Beginning of day announcements, KMA			
<b>Session 5 : Land Application</b>				
09:00-09:20	Jung-Rim	Lee	NMSC/KMA	Introduction of COMS Snow and Sea Ice Detection Algorithm; Methods, Recent Improvements, and the Validation Results
09:20-09:40	Lin	Zhu	NSMC/CMA	Comparison and evaluation of FY-3A/MERSI and Terra/MODIS surface reflectance products for leaf area index (LAI) retrieval
09:40-10:00	Myoung-Seok	Suh	Kongju National University	Preliminary results of operational retrievals of land surface temperature from COMS data
10:00-10:20	MORNING BREAK			
<b>Session 6 : Calibration / Measurements</b>				
10:20-10:40	Hyoung-Wook	Chun	SNU	Solar channel calibration utilizing MODIS BRDF over bright desert target in Australia
10:40-11:00	Byung-Ju	Sohn	SNU	Solar channel calibration using cloud targets
11:00-11:20	Kyoung-Wook	Jin	KARI	Development of the radiometric and geometric calibration algorithms for the GK2A mission
11:20-11:40	Seung-Woo	Lee	Korea Research Institute of Standards and Science (KRISS)	A Real-time Tropospheric and Ionospheric Monitoring System using Ground GNSS Measurements
11:40-12:00	Xlaolei	Zou	Florida State University	Detection of Global Radio-Frequency Interference Signatures
12:00-13:10	LUNCH			
<b>Session 7 : Utilization for NWP</b>				
13:10-13:30	Fuzhong	Weng	NOAA/NESDIS	Uses of Satellite Data for Hurricane Modeling and Coastal Precipitation Forecasts
13:30-13:50	Young-Chan	Noh	Seoul National University	Performance of Unified Model(UM) 4D-Var data assimilation system over East Asia
13:50-14:10	Qifeng	Lu	NSMC/CMA	FY-3 data quality, stability and assimilation in NWP
14:10-14:30	Somyoung	Kim	NIMR	Estimation of Mesoscale Atmospheric Motion Vectors Using COMS Images and Quality Control at KMA/NIMR

<b>Session 7A : Feasibility Study</b>				
14:30-14:50	Bang-Yeop	Kim	KARI	A feasibility study about the inclined orbit operation of COMS.
14:50-15:40	AFTERNOON BREAK INCLUDING POSTER VIEWING TIME			
<b>Session 8 : Climate</b>				
15:40-16:00	Tillmann	Mohr	Special Advisor to the SG of WMO on Satellite matters and GFCS	GFCS and the Architecture for Climate Monitoring from Space
16:00-16:20	Wolfgang Paul	Menzel	University of Wisconsin	Very High Cloud Detection in More than Two Decades of HIRS Data
16:20-16:40	Oleg Mikhailovich	Pokrovksy	Main Geophysical Observation/ ROSHYDROMET	Relationship Between Major Climate Indicators Derived From Satellite Remote Sensing Data in RAI
16:40-16:50	AFTERNOON STRETCH			
16:50-17:10	Hwan-Jin	Song	School of Earth and Environmental Sciences, Seoul National University	Temporal and spatial variabilities in ISCCP clouds over East Asia and their implication of climate change
17:10-17:30	Myeong-Jae	Jeong	Gangneung-Wonju National University	Thirteen Years of Global Aerosol Optical Thickness Data over Land and Ocean from SeaWiFS Measurements
17:30-17:50	Madhu	Thapa	Forum for Nature Protection (NGO)	Adaptation Options to Climate Change in Nepal
17:50-18:00	END OF DAY ANNOUNCEMENTS			
18:30-20:30	<b>WELCOME RECEPTION</b>			

THURSDAY, OCTOBER 11 (DAY 3)				
08:50~09:00	Beginning of day announcements, KMA			
<b>Session 9 : Ocean Application</b>				
09:00~09:20	Inchul	Shin	NMSC/KMA	A wind speed retrieval algorithm based on satellite microwave radiometer
09:20-09:40	Eunhwa	Kim	NMSC/KMA	Oil spills detection based on MODIS color composite image and refractive index retrieval
09:40-10:00	Tae-Myeong	KIM	NMSC/KMA	COMS Sea Surface Temperature for Korea and Vicinity Region
10:00-10:20	Mee-Ja	Kim	NIMR	Study on Multi-sensor SST with High Resolution using COMS SST over East Asia
10:20-10:40	MORNING BREAK			
10:40-11:00	Kyung-Ae	Park	SNU	Regional Bias of Satellite Scatterometer Wind Vectors in the Seas around Korea and Causes
11:00-11:20	Yu-Hwan	Ahn	Korea Ocean Satellite Center, Korea Ocean Research & Development & Institute	Geostationary Ocean Color Imager for the Korean Waters: Overview and Ocean Applications
<b>Session 10 : Data Processing / Access</b>				
11:20-11:40	Allen	Huang	SSEC/CIMSS UW-Madison	Community Satellite Processing Package (CSPP) – Progress for Suomi Suomi NPP VIIRS, CrIS and ATMS SDR and EDR (2nd paper)
11:40-12:00	Lihang	Zhou	NOAA/NESDIS/ STAR	Quality Assurance of the Suomi National Polar-orbiting Partnership Data Products
12:00-13:00	LUNCH			
13:00-13:20	Jerome	Lafeuille	WMO	Observing Systems Capability Analysis and Review Tool (OSCAR)
13:20-13:40	JianMei	Qian	NSMC/CMA	FengYun Series Meteorological Satellite Data Archiving Service System
13:40-14:00	Al-Saadi	Jassim A.	NASA HQ	Status of the CEOS Air Quality Constellation
14:00-14:20	Hyojin	Han	SNU	Optical thickness and height retrieval of Asian dust using AIRS measurements

14:20-14:40	Kwonho	Lee	Kyungil Univ.	Application of Korea's 1 <sup>st</sup> geostationary satellite observations for atmospheric aerosol monitoring
14:40-15:00	AFTERNOON BREAK			
<b>Session 11 : Atmospheric Composition</b>				
15:00-15:20	Stanley	Sander	Jet Propulsion Laboratory, California Institute of Technology	Measurements of Atmospheric Composition from Geostationary Platforms Using the Panchromatic Fourier Transform Spectrometer (PanFTS)
15:20-15:40	Teruyuki	Nakajima	Atmosphere and Ocean Research Institute, University of Tokyo	A prospect of next generation satellite applications for studies of atmospheric particulate constituents and earth's radiation budget
15:40-16:00	Jhoon	Kim	Yonsei Univ.	Aerosol Retrieval from the Geostationary Ocean Color Imager and Meteorological Imager onboard the COMS
16:00-16:20	Ryan	Spackman	Science and Technology Corporation NOAA Earth System Research Lab	Geostationary Remote Infrared Pollution Sounder (GRIPS)
16:20~16:30	AFTERNOON STRETCH			
<b>Session 12 : Space Weather</b>				
16:30-16:50	Youngha	Kim	Chungnam National University	A comparison study of SAMI2/3 model and JASON TEC measurements
16:50-17:10	Yong-Jae	Moon	Kyung Hee University	Empirical Space Weather Forecast Models Based on Solar Data
17:10-17:30	Jaejin	Lee	Korea Astronomy and Space Science Institute	Space Weather Instruments for Meteorological Satellite, GK-2A
17:30-17:50	Junga	Hwang	Korea Astronomy and Space Science Institute	Aviation Space Weather: Activities in South Korea
17:50-18:00	END OF DAY ANNOUNCEMENTS			

FRIDAY, OCTOBER 12 (DAY 4)				
08:50~09:00	Beginning of day announcements, KMA			
<b>Session 13 : Application of satellite data to weather analysis and disaster monitoring</b>				
09:00-09:20	Sue	Barrell	AuBOM	Use of Satellite Data and Products in Australia
09:20-09:40	Anthony	Rea	Bureau of Meteorology	Sustained, Co-Ordinated Processing of Environmental Satellite Data for Nowcasting (SCOPE-NWC)
09:40-10:00	Sung-Rae	Chung	NMSC/KMA	Nowcasting Applications using COMS meteorological data in KMA/NMSC
10:00-10:20	Woojeong	Lee	NTC/KMA	Development of Tropical Cyclone Genesis Detection System using Satellite data
10:20-10:40	MORNING BREAK			
10:40-11:00	JAMES FRANCIS WHITEHURST	Purdom	WMO, CIRA, COLORADO STATE UNIV.	Nowcasting and short range forecasting of convection (0 – 6 hours)
11:00-11:20	Xin	Wang	NSMC/CMA	Estimating Tropical Cyclone Vertical Gradient Parameter (TC-VGP) using satellite microwave sounding data
11:20-11:40	Ashok Kumar	Sharma	IMD	An atmospheric instability derived with MODIS profile using real-time direct broadcast data over the Indian region
11:40-12:00	Chi-kuen	SO	Hong Kong Observatory	Reception and utilization of meteorological satellite data and products in Hong Kong, China
12:00-13:10	LUNCH			
<b>Session 13 : Application of satellite data to weather analysis and disaster monitoring (cont.)</b>				
13:10-13:30	Suman	Goyal	INDIA METEOROLOGICAL DEPARMENT	Application of satellite data for monitoring and prediction of Cyclonic Disturbances over North Indian Ocean
13:30-13:50	James Francis Whitehurst	Purdom	WMO, CIRA, COLORADO STATE UNIV.	RA II Pilot Project Virtual laboratory Training Event
<b>Closing</b>				
13:50-14:30	<b>SUMMARY and CLOSE OF 3rd AOMSUC</b>			

Poster Session				
P. 1			EUMETSAT	Vlab
P. 2	Celebre	Cynthia Pajad	Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)	Enhancing the Human Resources and Services Capabilities of PAGASA
P. 3	Kasymova	Makhbuba Rajabovna	Departement of the Weather Forecasting Agency on Hydrometeorology under Ministry of Emergency Situation of the Kyrgyz Republic	The availability and use of satellite data and products in agency of hydrometeorolog of the Kyrgyz Republic
P. 4	Park	Young-Woong	KARI	Attitude stability analysis about GOCI of COMS using in-orbit telemetry
P. 5	Kang	Geumsil	KARI	On-Orbit Status of Geostationary Ocean Color Imager (GOCI)
P. 6	Kim	Jongpil	APEC Climate Center	Evaluation of a global hydrologic model with TRMM 3B42 and its application to Nakdong-River sub-basins, South Korea
P. 7	Oh	Hyungjong	NMSC/KMA	Customized Architecture Design for The Image Processing System of National Meteorological Satellite Center
P. 8	Lee	Hoseung	NMSC/KMA	COMS visible channel calibration using moon
P. 9	Lee	Won-Seok	NMSC/KMA	Analysis of COMS Infrared channel and Visible channel Calibration
P. 10	Woo	Jin	NMSC/KMA	Analysis of COMS MI Image Navigation and Registration Performance
P. 11	Kim	Jae-Gwan	NMSC/KMA	COMS MI Data Processing and Service in NMSC
P. 12	Kim	Mijin	Yonsei Univ.	Aerosol optical depth retrievals with background optical depth over an urban area from MI onboard the COMS
P. 13	Suh	Myoung-Seok	Kongju National University	Assessment of surface urban heat island over East Asia using the land surface temperature data retrieved from COMS data
P. 14	Suh	Myoung-Seok	Kongju National University	Preliminary results for the relation between the warm top clouds and rainfall rate using COMS and AWS data
P. 15	Park	Sang-Seo	Yonsei Univ.	Developing algorithm for aerosol effective height using hyperspectral measurement

P. 16	Choi	Minjin	Seoul National University	Explaining the regional difference of deep convective clouds between tropical Western Pacific and South America/Africa regions
P. 17	Lee	Seungmin	Seoul National University	The influence of trans-boundary air pollutant from China on the air quality in Korea: A case study of high-PM10 episode in 16-20 October 2008
P. 18	Kim	Tae-Sung	Seoul National University	High-Resolution Sea Surface Winds from SAR Imagery and Error Characteristics
P. 19	Kweon	Soon-Koo	Hongik University	An algorithm for retrieving soil moisture from vegetated fields based on single-polarization SAR data
P. 20	Cho	Heeje	Seoul National University	Estimation of the longwave cloud feedback over the Pacific warm pool using MTSAT-1R imagery
P. 21	Huh	Mo-Rang	Pukyong National Univ.	Application of the high resolution satellite data to Ocean numerical model NEMO
P. 22	Lee	Yang-Won	Pukyong National Univ.	An Open API for Monitoring Ionospheric TEC and Scintillation with GNSS
P. 23	Kim	Hye-Sil	Ewha Womans Univ.	Effect of cosmic ray on high cloud from MODIS
P. 24	Kim	Bo-Ram	Ewha Womans Univ.	Simulation of radiance from the Geostationary Environmental Monitoring Spectrometer as an application for cloud property retrieval
P. 25	Choi	Min Bum	NMSC/KMA	Validation of Rapid Development Thunderstorm through comparison with ground lightning data
P. 26	Lee	Se Eun	NMSC/KMA	Typhoon analysis activities based on satellite image in NMSC
P. 27	Kim	Hyoen-Ok	NMSC/KMA	Nighttime oil spills detection using spaceborne infrared remote sensing
P. 28	Seo	Seok-Bae	KARI	A Proposal of AMI HRIT Service Method: Dissemination of Radiometric Corrected Image and Re-sampling Grid File
P. 29	Yeom	Jong-Min	KARI	The estimate for land products with Geostationary Ocean Color Imager (GOCI) images with Nadir BRDF Adjusted Reflectance (NBAR) modeling
P. 30	Kang	Jeon-Ho	Korea Institute of Atmospheric Prediction Systems	Sensitivity of Surface Infrared Emissivity on Satellite Radiance Data Assimilation
P. 31	Lee	Sihye	Korea Institute of Atmospheric Prediction Systems	Importance and Current Status of the Data Assimilation of Ozon Observation at Numerical Weather Prediction System

P. 32	Kwon	hataek	Korea Institute of Atmospheric Prediction Systems	Impact of GPS Measurements Assimilation on the Rainfall Forecast
P. 33	Choi	Kyuchoel	SELab	Identification of Magnetic Clouds using ACE satellite data in 2000
P. 34	Shin	Daeyun	NMSC/KMA	Introduction to the Retrieval System for the Regional TEC map Using Nation-wide GNSS Network
P. 35	Park	Geunseok	NMSC/KMA	Interaction and Evolution of Transiently Enhanced Ring Currents and the Earth's Magnetosphere
P. 36	Pi	Kyoung-Jin	Pukyong National Univ.	An adjustment of satellite-based algorithm for gross primary production over Korea
P. 37	Jeong	Ukkyo	IEAA, Yonsei University	Development of MATLAB version of DISORT for atmospheric research purposes
P. 38				