DAY 1, Nov.6, 2023 (Mon)

Plenary session

DAY 2, Nov. 7, 2023 (Tue)

No.	Time (JST)			Time (UTC)			period	Session (Chair)	Speaker	Affiliation	Title
1	9:30	-	9:35	0:30	-	0:35	0:05	Introduction (M. Kachi)	Misako Kachi	JAXA/EORC	Introduction/Logistics
2	9:35	-	9:40	0:35	-	0:40	0:05		Naoto Ebuchi	JAXA/Hokkaido Univ.	Opening Remarks from Science Team Lead
3	9:40	-	9:55	0:40	-	0:55	0:15		Marina Ohara	JAXA/SAOC	Status of GCOM-W Mission
4	9:55	-	10:10	0:55	-	1:10	0:15		Kazuya Inaoka	JAXA/GOSAT-GW Prj. Team	Status of GOSAT-GW and AMSR3
5	10:10	-	10:25	1:10	-	1:25	0:15		Misako Kachi	JAXA/EORC	Status of GCOM-W & AMSR3 Researches
6	10:25	-	10:40	1:25	-	1:40	0:15		Rigen Shimada	JAXA/EORC	Product Updates/AMSR3 Algorithms
	10:40	-	10:55	1:40	-	1:55	0:15	Break			
7	10:55	-	11:15	1:55	-	2:15	0:20	Land I (Y. Sawada)	Yohei Sawada	The Univ. Tokyo	Drought analysis and predictability based on ecohydrological land reanalysis
8	11:15	-	11:35	2:15	-	2:35	0:20		Kazuyoshi Suzuki	JAMSTEC	Verification for the GCOM-W & AMSR3-based snowfall, snowpack and soil moisture retrievals in the Arctic and elucidation of water and material balance in large northern river basins using an ecohydrological model and satellite data assimilation method
9	11:35	-	11:55	2:35	-	2:55	0:20		Venkataraman Lakshmi	Univ. of Virginia	Global downscaling and validation of AMSR-2 and AMSR-3 Soil Moisture
	11:55	-	13:15	2:55	-	4:15	1:20	Lunch Break			
10	13:15	-	13:35	4:15	-	4:35	0:20	Land II (Y. Onuma)	Jeff Walker	Monash Univ.	Validation of global water and energy balance monitoring in the Australian Murray-Darling Basin using AMSR3 and GCOM-W data
11	13:35	-	13:55	4:35	-	4:55	0:20		Nozomu Hirose	Matsue National College of Technology	Validation for satellite soil moisture products by considering cold regions hydrological processes
12	13:55	-	14:15	4:55	-	5:15	0:20		Minjiao Lu	Nagaoka Univ. of Technology	Assessment and removal of errors in AMSR2 soil moisture product caused by temperature effects
13	14:15	-	14:35	5:15	-	5:35	0:20		Toshio Koike	ICHARM	High-frequency and high-spatial-resolution soil moisture monitoring using satellite-mounted SAR and microwave radiometer and application research to hydrological models
	14:35	-	14:50	5:35	-	5:50	0:15	Break			
14	14:50	-	15:10	5:50	-	6:10	0:20	Cryosphere I (R. Shimada)	Richard Kelly	Univ. of Waterloo	Maintenance and Development of the GCOM-W AMSR2 and AMSR3 Snow Depth Algorithm
15	15:10	-	15:30	6:10	-	6:30	0:20		Hiroyuki Tsutsui (for Toshio Koike)	ICHARM	Acquisition of the AMSR2 Siberia snow depth validation data and study on the estimation of snowpack on ice surface
16	15:30	-	15:50	6:30	-	6:50	0:20		Yu Cai	Nanjing Univ.	Monitoring lake ice phenology in the Northern Hemisphere using AMSR3
17	15:50	-	16:10	6:50	-	7:10	0:20		Rigen Shimada	JAXA/EORC	Development of the ice sheet surface melt detection algorithm for GCOM-W/AMSR2
	16:10	-	16:25	7:10	-	7:25	0:15	Break			
18	16:25	-	17:45	7:25	-	8:45	1:20	Disiussion on AMSR3 F/O	Discussion led by Science Team Lead		

DAY 3, Nov. 8, 2023 (Wed)

No.	Time (JST)			Time (UTC)			period	Session (Chair)	Speaker	Affiliation	
1	9:00	-	9:05	0:30	-	0:35	0:05	AMSR & PMM I (T. Kubota)	Misako Kachi & Takuji Kubota	JAXA/EORC	Introduction/Logistics
2	9:05	-	9:25	0:35	-	0:55	0:20		Chris Kummerow (invited)	Colorado State Univ.	Using AMSR2 and CloudSat to constrain light precipitation from GPM's core satellite
3	9:25	-	9:45	0:55	-	1:15	0:20		Kazumasa Aonashi (AMSR/PMM)	JAXA/Kyoto Univ.	Frozen Precipitation Particle Properties Estimated from DPR and GMI for OLYMPEX Cases
4	9:45	-	10:05	1:15	-	1:35	0:20		Guosheng Liu (AMSR)	Florida State Univ.	Solid Precipitation Retrieval Algorithm for AMSR3
5	10:05	-	10:25	1:35	-	1:55	0:20		Nobuyuki Utsumi (PMM)	Tokyo Institute of Technology	Improvement of the GSMaP Passive Microwave Algorithm for Snowfall Retrieval
	10:25	-	10:40	1:55	-	2:10	0:15	Break			
6	10:40	-	11:00	2:10	-	2:30	0:20	AMSR & PMM II (M. Kachi)	Francis J. Turk (PMM/AMSR)	UCLA	Estimation of Precipitation Type and Vertical Structure from the GPM Passive Microwave RadiometerConstellation
7	11:00	-	11:20	2:30	-	2:50	0:20		Hidehiko Murata (AMSR)	JMA	Utilization of water vapor, clouds and precipitation information from space-based microwave observation in JMA operational numerical weather prediction systems
8	11:20	-	11:40	2:50	-	3:10	0:20		Keiichi Ohara (AMSR)	JAXA/EORC	Synegistic retreival of cloud ice in deep convective clouds using radar and radiometer
9	11:40	-	12:00	3:10	-	3:30	0:20		Nao Yoshida (PMM)	JAXA/EORC	Improvement and evaluation of the GSMaP Precipitation Retrieval algorithm for Microwave Sounders over Coast
	12:00	-	13:20	3:30	-	4:50	1:20	Lunch Break			
10	13:20	-	13:40	4:50	-	5:10	0:20	Atmosphere over Land & Ocean (K. Ohara)	Lucrezia Ricciardulli	Remote Sensing Systems	Assisting JAXA with the Calibration and Validation of the AMSR-3 Standard Geophysical Products
11	13:40	-	14:00	5:10	-	5:30	0:20		Rie Seto	JMA-MRI	Development of cloud water content estimation method over land using AMSR2/AMSR3 measurements and ground-based microwave radiometer considering dynamic effects of land radiation
12	14:00	-	14:20	5:30	-	5:50	0:20		Tomoki Ushiyama	PWRI-ICHARM	Development of regional ensemble prediction system by cloud water assimilation over land from AMSR microwave radiometer.
13	14:20	-	14:40	5:50	-	6:10	0:20		Keiji Imaoka	Yamaguchi Univ.	Research on identification method of radio-frequency interference for lower-frequency bands of AMSR3
	14:40	-	14:55	6:10	-	6:25	0:15	Break			
14	14:55	-	15:15	6:25	-	6:45	0:20	Land III (K. Aida)	Hideyuki Fujii	RESTEC	Maintenance and Enhancement of Soil Moisture Algorithm for AMSR series
15	15:15	-	15:35	6:45	-	7:05	0:20		Rajat Bindlish	NASA/GSFC	Development of AMSR3 soil moisture and soil temperature algorithm and validation
16	15:35	-	15:55	7:05	-	7:25	0:20		Simonetta Paloscia	CNR-IFAC	MULTI-FREQUENCY APPROACH FOR MONITORING SOIL MOISTURE AND VEGETATION BIOMASS USING AMSR2/3 INTEGRATED WITH SAR DATA
17	15:55	-	16:15	7:25	-	7:45	0:20		Kumiko Tsujimoto	Okayama Univ.	Development of the AMSR3 & GCOM-W research algorithm for global soil moisture content
	16:15	-	16:30	7:45	-	8:00	0:15	Break			
18	16:30	-	16:50	8:00	-	8:20	0:20	Ocean I (N. Ebuchi)	Akira Shibata	RESTEC	Algorithm developments of SST and sea surface wind speed using AMSR3 and AMSR2
19	16:50	-	17:10	8:20	-	8:40	0:20		Fumiaki Kobashi	Tokyo Univ. of Marin Science & Technology	Validation of AMSR2 high-resolution sea surface temperature
20	17:10	-	17:30	8:40	-	9:00	0:20		Yukio Kurihara	JAXA/EORC	Validation of AMSR2 Arctic SST
21	17:30	-	17:50	9:00	-	9:20	0:20		Shun Ohishi (invited)	RIKEN	Impact of atmospheric forcing on SST biases in the LETKF-based Ocean Research Analysis (LORA)
	18:30	-	21:00	10:00	-	12:00	2:00	No host dinner for AMSR team (TBD)			

DAY 4, Nov. 9, 2023 (Thu)

No.	Time (JST)			Time (UTC)			period	Session (Chair)	Speaker	Affiliation	Title
1	9:00	-	9:05	0:30	-	0:35	0:05	Logistics	Secretariat	JAXA/EORC	
2	9:05	-	9:25	0:35	-	0:55	0:20	Ocean II (Y. Kurihara)	Paul Chang (invited)	NOAA	An update on AMSR2 and AMSR3 activities at NOAA
3	9:25	-	9:45	0:55	-	1:15	0:20		Kohei Mizobata	Tokyo Univ. of Marin Science & Technology	Verification of the accuracy of AMSR2 high-resolution sea surface temperature in the polar ocean
4	9:45	-	10:05	1:15	-	1:35	0:20		Hiroyuki Tomita	Hokkaido Univ.	Development of estimation algorithm of surface specific humidity for AMSR3
	10:05	-	10:15	1:35	-	1:45	0:10	Break			
5	10:15	-	10:35	1:45	-	2:05	0:20	Cryosphere II (K. Nakata)	Koji Shimada	Tokyo Univ. of Marin Science & Technology	Sea ice variations in the Arctic Ocean using AMSR series derived sea ice monitoring data, and preparations of real field data and validations of sea ice velocity data derived from AMSR3
6	10:35	-	10:55	2:05	-	2:25	0:20		Eri Yoshizawa	JAXA/EORC	Development and varidation of AMSR2 products in the Arctic Ocean
7	10:55	-	11:15	2:25	-	2:45	0:20		Noriaki Kimura	The Univ. of Tokyo	Development of an algorithm to derivate the high-resolution sea-ice motion from AMSR data
8	11:15	-	11:35	2:45	-	3:05	0:20		Kazutaka Tateyama	Kitami Institute of Technology	Development and verification of sea ice thickness estimation algorithm for AMSR3, and application of the algorithm to navigation support
9	11:35	-	11:55	3:05	-	3:25	0:20		Kay I. Ohshima	Hokkaido Univ.	Creation of a global dataset and heat/salt budget of sea-ice production and melt using AMSR
10	11:55		12:15	3:25		3:45	0:20		Kazuki Nakata	JAXA/EORC	Improvement of thin ice thickness estimation from AMSR2 for coastal polynyas
	12:15	-	13:25	3:45	-	4:55	1:10	Lunch Break			
11	13:25	-	13:45	4:55	-	5:15	0:20	Cryosphere III (E. Yoshizawa)	Kohei Cho	Tokai Univ.	Maintenance and improvement of sea ice concentration & thin ice area extraction algorithms for AMSR2 & AMSR3
12	13:45	-	14:05	5:15	-	5:35	0:20		Georg Heygster (for Gunnar Spreen)	Univ. of Bremen	Advancing Polar Remote Sensing with AMSR3: High Resolution Sea Ice Concentration and Atmospheric Total Water Vapor
13	14:05	-	14:25	5:35	-	5:55	0:20		Walter N. Meier	NSIDC/Univ. of Colorado	Applications of AMSR2 and future AMSR3 data at the National Snow and Ice Data Center (NSIDC)
14	14:25	-	14:45	5:55	-	6:15	0:20		Josefino C. Comiso (invited)	NASA/GSFC	The Arctic Multiyear Sea Ice Cover: Variability and Trends
	14:45	-	15:00	6:15	-	6:30	0:15	Break			
15	15:00	-	15:20	6:30	-	6:50	0:20	Multidisciplinary Application I (H. Murakami)	Keiya Yumimoto	Kyusyu Univ.	Development of aerosol assimilation and forecasting system with data from multiple space-borne observation platforms
16	15:20	-	15:40	6:50	-	7:10	0:20		Daisuke Goto	NIES	Research on air pollution prediction by assimilating aerosol products retrieved from satellites
17	15:40	-	16:00	7:10	-	7:30	0:20		Takemasa Miyoshi	RIKEN	Advances and applications of satellite data assimilation of clouds, precipitation, and the ocean
18	16:00	-	16:20	7:30	-	7:50	0:20		Naohiko Hirasawa	NIPR	The current state of snowfall and surface melting on the Antarctic ice sheet and understanding the relationship with global warming using ground-based and satellite observations
	16:20	-	16:35	7:50	-	8:05	0:15	Break			
19	16:35	-	16:55	8:05	-	8:25	0:20	Multidisciplinary Application II (T. Kubota)	Kaoru Tachiiri	JAMSTEC	Contribution to satellite products development by sharing needs and results of a climate change research project
20	16:55	-	17:15	8:25	-	8:45	0:20		Kei Yoshimura (invited)	The Univ. Tokyo	Global/Regional Long-term Terrestrial Hydrological Simulation by Today's Earth
21	17:15	-	17:35	8:45	-	9:05	0:20		Yukihiko Onuma	JAXA/EORC	Snow-soil-atmosphere impacts on climate signals through a pacemaker experiment of snow water equivalent
22	17:35	-	17:55	9:05	-	9:25	0:20		Yoshihiro Iijima	Tokyo Metropolitan Univ.	North-eastern Eurasia Precipitation variation and Terrestrial water cycle UNited satellites Experiment (NEPTUNE-III)
23	17:55	-	18:15	9:25	-	9:45	0:20		Yasutaka Ikuta	JMA-MRI	Assimilation of cloud and precipitation for km-scale numerical weather prediction model