

**DAY 1, Nov. 7, 2022, 9:30-17:55 JST (0:30-8:55 UTC)**

No.	Time (JST)	Time (UTC)	period	Session (Chair)	Chair man	Speaker	Affiliation	Title
1	9:30 - 9:35	0:30 - 0:35	0:05	JAXA Session	Misako 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
7	10:40 - 10:55	1:40 - 1:55	0:15			Suleiman Alswais	NOAA	An Operational All-weather Wind Speed from AMSR2
8	10:55 - 11:10	1:55 - 2:10	0:15	Land Session I	Yohei Sawada	Yohei Sawada	The Univ. of Tokyo	Drought analysis and predictability based on ecohydrological land reanalysis
9	11:10 - 11:25	2:10 - 2:25	0:15			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
10	11:25 - 11:40	2:25 - 2:40	0:15			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
11	11:40 - 11:55	2:40 - 2:55	0:15			Tomoki Ushiyama	PWRI	Development of regional ensemble prediction system by cloud water assimilation over land from AMSR microwave radiometer
	11:55 - 13:10	2:55 - 4:10	1:15	Lunch Break				
12	13:10 - 13:25	4:10 - 4:25	0:15	Land Session II	Yohei Sawada	Kumiko Tsujimoto	Okayama Univ.	Development of the AMSR3 & GCOM-W research algorithm for global soil moisture content
13	13:25 - 13:40	4:25 - 4:40	0:15			Ying Gao	Monash Univ.	Validation of global water and energy balance monitoring in the Australian Murray-Darling Basin using AMSR3 and GCOM-W data
14	13:40 - 13:55	4:40 - 4:55	0:15			Nozomu Hirose	Matsue National College of Technology	Validation for satellite soil moisture products by considering cold regions hydrological processes
15	13:55 - 14:10	4:55 - 5:10	0:15			Hirofumi Tsutsui	ICHARM	Acquisition of the AMSR2 Siberia snow depth validation data and study on the estimation of snowpack on ice surface
16	14:10 - 14:25	5:10 - 5:25	0:15			Minjiao Lu	Nagaoka Univ. of Technology	Assessment and removal of errors in AMSR2 soil moisture product caused by temperature effects
17	14:25 - 14:40	5:25 - 5:40	0:15			Kentaro Aida	ICHARM	High-frequency and high-spatial-resolution soil moisture monitoring using satellite-mounted SAR and microwave radiometer and application research to hydrological models
18	14:40 - 14:55	5:40 - 5:55	0:15			Simonetta Paloscia	CNR-IFAC	Multi-frequency approach for monitoring soil moisture and vegetation biomass using AMSR2/3 integrated with SAR data
	14:55 - 15:10	5:55 - 6:10	0:15	Break				
19	15:10 - 15:25	6:10 - 6:25	0:15	Cryosphere Session I	Eri Yoshizawa	Kohei Cho	Tokai Univ.	Maintenance and improvement of sea ice concentration & thin ice area extraction algorithms for AMSR2 & AMSR3
20	15:25 - 15:40	6:25 - 6:40	0:15			Gunnar Spreen	Univ. of Bremen	Advancing Polar Remote Sensing with AMSR3: High Resolution Sea Ice Concentration and Atmospheric Total Water Vapor
21	15:40 - 15:55	6:40 - 6:55	0:15			Koji Shimada	Tokyo Univ. of Marine 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
22	15:55 - 16:10	6:55 - 7:10	0:15			Noriaki Kimura	The Univ. of Tokyo	Development of an algorithm to derivate the high-resolution sea-ice motion from AMSR data
23	16:10 - 16:25	7:10 - 7:25	0:15			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
	16:25 - 16:40	7:25 - 7:40	0:15	Break				
24	16:40 - 16:55	7:40 - 7:55	0:15	Calibration and Long-term Dataset Session	Misako Kachi	Keiji Imaoka	Yamaguchi Univ.	Research on identification method of radio-frequency interference for lower-frequency bands of AMSR3
25	16:55 - 17:10	7:55 - 8:10	0:15			Mieko Seki	RESTEC	Inter-sensor calibration of space-borne passive microwave radiometers for the retrieval of long-term sea ice trends
26	17:10 - 17:25	8:10 - 8:25	0:15			Keiichi Ohara	JAXA/EORC	Long-term analysis of AMSR-E/AMSR2 total precipitable water vapor products
27	17:25 - 17:55	8:25 - 8:55	0:30	Discussion Session	Misako Kachi	All		Overall discussion regarding AMSR series led by the Science Team Lead

**DAY 2, Nov. 8, 2022 9:30-18:00 JST (0:30-9:00 UTC)**

No.	Time (JST)	Time (UTC)	period	Session (Chair)	Chair man	Speaker	Affiliation	Title
1	9:30 - 9:35	0:30 - 0:35	0:05	Logistics		Secretariat	JAXA/EORC	Logistic announcement
2	9:35 - 9:50	0:35 - 0:50	0:15	Land Session III	Nozomu Hirose	Richard Kelly	Univ. of Waterloo	Maintenance and Development of the GCOM-W AMSR2 and AMSR3 Snow Depth Algorithm
3	9:50 - 10:05	0:50 - 1:05	0:15			Venkataraman Lakshmi	Univ. of Virginia	Global downscaling and validation of AMSR-2 and AMSR-3 Soil Moisture
4	10:05 - 10:20	1:05 - 1:20	0:15			Rajat Bindlish	NASA/GSFC	Development of AMSR3 soil moisture and soil temperature algorithm and validation
5	10:20 - 10:35	1:20 - 1:35	0:15			Hideyuki Fujii	JAXA/EORC	A Validation of Land Products
6	10:35 - 10:50	1:35 - 1:50	0:15			Cryosphere Session II	Rigen Shimada	Walter N. Meier
7	10:50 - 11:05	1:50 - 2:05	0:15	Yu Cai	Nanjing Univ.			Monitoring lake ice phenology in the Northern Hemisphere using AMSR3
8	11:05 - 11:20	2:05 - 2:20	0:15	Kay I. Ohshima	Hokkaido Univ.			Creation of a global dataset and heat/salt budget of sea-ice production and melt using AMSR
9	11:20 - 11:35	2:20 - 2:35	0:15	Eri Yoshizawa	JAXA/EORC			Development of GCOM-W/AMSR2 sea ice product in the Arctic Ocean
	11:35 - 13:00	2:35 - 4:00	1:25	Lunch Break				
10	13:00 - 13:15	4:00 - 4:15	0:15	Ocean Session	Naoto Ebuchi	Hirofumi Tomita	Hokkaido Univ.	Development of estimation algorithm of surface specific humidity for AMSR3
11	13:15 - 13:30	4:15 - 4:30	0:15			Akira Shibata	RESTEC	Algorithm developments of SST and sea surface wind speed using AMSR3 and AMSR2
12	13:30 - 13:45	4:30 - 4:45	0:15			Kohei Mizobata	Tokyo Univ. of Marine Science & Technology	Verification of the accuracy of AMSR2 high-resolution sea surface temperature in the polar ocean
13	13:45 - 14:00	4:45 - 5:00	0:15			Fumiaki Kobashi	Tokyo Univ. of Marine Science & Technology	Validation of AMSR2 high-resolution sea surface temperature
14	14:00 - 14:15	5:00 - 5:15	0:15			Yukio Kurihara	JAXA/EORC	Comparison of AMSR and IR SSTs
15	14:15 - 14:30	5:15 - 5:30	0:15			Shun Ohishi	RIKEN	LETKF-based Ocean Research Analysis (LORA) in the Western North Pacific and Maritime Continent regions
	14:30 - 15:00	5:30 - 6:00	0:30	Break				
16	15:00 - 18:00	6:00 - 9:00	3:00	Plenary Session I				

**DAY 3, Nov. 9, 2022, 10:00-18:00 JST (1:00-9:00 UTC)**

No.	Time (JST)	Time (UTC)	period	Session (Chair)	Chair man	Speaker	Affiliation	Title
1	10:00 - 10:05	1:00 - 1:05	0:05	AMSR & PMM Joint Session	Takuji Kubota	Misako Kachi & Takuji Kubota	JAXA/EORC	Session Introduction
2	10:05 - 10:20	1:05 - 1:20	0:15			Chris Kummerow (invited)	Colorado State Univ.	AMSR and GPM Precipitation V7 and V8 – the convergence of satellite precipitation products
3	10:20 - 10:35	1:20 - 1:35	0:15			Kazumasa Aonashi	JAXA/Kyoto Univ.	Frozen precipitation particle shapes estimated from DPR and GMI
4	10:35 - 10:50	1:35 - 1:50	0:15			Guosheng Liu (AMSR)	Florida State Univ.	Solid Precipitation Retrieval Algorithm for AMSR3
5	10:50 - 11:05	1:50 - 2:05	0:15		Misako Kachi	Nobuyuki Utsumi (PMM)	Kyoto Univ. of Advanced Science	Improvement of the GSMaP Passive Microwave Algorithm for Snowfall Retrieval
6	11:05 - 11:20	2:05 - 2:20	0:15			Francis J. Turk (PMM)	UCLA	Estimation of Precipitation Type and Vertical Structure from the GPM Passive Microwave Radiometer Constellation
7	11:20 - 11:35	2:20 - 2:35	0:15			Masahiro Kazumori (AMSR)	JMA	Utilization of water vapor, clouds and precipitation information from space-based microwave observation in JMA operational numerical weather prediction systems
	11:35 - 12:45	2:35 - 3:45	1:10	Lunch Break				
8	12:45 - 13:00	3:45 - 4:00	0:15	Multidisciplinary Application Session	Hiroshi Murakami	Keiya Yumimoto	Kyushu Univ.	Development of aerosol assimilation and forecasting system with data from multiple space-based observation platforms
9	13:00 - 13:15	4:00 - 4:15	0:15			Daisuke Goto	NIES	Research on air pollution prediction by assimilating aerosol products retrieved from satellites
10	13:15 - 13:30	4:15 - 4:30	0:15		Takuji Kubota	Takemasa Miyoshi	RIKEN	Advances and applications of satellite data assimilation of clouds, precipitation, and the ocean
11	13:30 - 13:45	4:30 - 4:45	0:15			Yasutaka Ikuta	JMA-MRI	Assimilation of cloud and precipitation for km-scale numerical weather prediction model
12	13:45 - 14:00	4:45 - 5:00	0:15			Kei Yoshimura (invited)	The Univ. of Tokyo	Fusion of satellite observation and land model simulation using Today's Earth
13	14:00 - 14:15	5:00 - 5:15	0:15			Yoshihiro Iijima	Mie Univ.	North-eastern Eurasia Precipitation variation and Terrestrial water cycle UNited satellites Experiment (NEPTUNE-III)
14	14:15 - 14:30	5:15 - 5:30	0:15		Hiroshi Murakami	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
15	14:30 - 14:45	5:30 - 5:45	0:15			Kaoru Tachiri	JAMSTEC	Contribution to satellite products development by sharing needs and results of a climate change research
	14:45 - 15:00	5:45 - 6:00	0:15	Break				
16	15:00 - 18:00	6:00 - 9:00	3:00	Plenary Session II				