

ALOS-2 & ALOS-4 Session Agenda JFY2023

JST=UTC+9:00

* Oral presentation time includes 5 minutes for Q&A

Version 6, as of October 27, 2023

Date	Start	End (JST)	No.	Speaker	Affiliation	Research Title	
Day 2: Nov. 7 (Tue)	10:00	- 12:30		ALOS-2/ALOS-4 Plenary Session (Hall 15E)		Co-Chairs: Takeo Tadono, Masato Ohki (JAXA)	
	10:00	- 10:10	0:10	1	Takeo Tadono	JAXA	Welcome Remarks & EO-RA Programs Status Updates
	10:10	- 10:30	0:20	2	Shinichi Sobue	JAXA	ALOS-2 Project Updates
	10:30	- 10:50	0:20	3	Takeshi Motohka	JAXA	ALOS-4 Development and Preparation Status
	10:50	- 11:10	0:20	4	Masato Ohki	JAXA	ALOS-2 Observation Status and Basic Observation Scenario Updates
	11:10	- 11:40	0:30	5	Ridha Touzi	CCRS (CCMEO), Natural Resources Canada	[Keynote 1] Investigation of Polarimetric PALSAR-2 for Enhanced Mapping and Monitoring of Discontinuous Permafrost in Northern Alberta (CANADA)
	11:40	- 12:00	0:20	6	Ake Rosenqvist	soloEO, Japan	[Keynote 2] ALOS Kyoto & Carbon Initiative (K&C) Overview
	12:00	- 12:20	0:20	7	Tomokazu Kobayashi	Geospatial Information Authority of Japan (GSI), Japan	[Keynote 3] Nationwide Land Deformation Monitoring: Application of InSAR Time Series Analysis to Japan
	12:20	- 12:30	0:10		Group Photo		
	12:30	- 14:00	1:30		Lunch Break		
	14:00	- 16:10			Disasters (Hall 14D)		Co-Chairs: Masato Ohki, Sota Hirayama (JAXA)
	14:00	- 14:20	0:20	1	Paul Lundgren	Jet Propulsion Laboratory, US	Application of ALOS-2 to active volcanoes
	14:20	- 14:40	0:20	2	Jean-Luc Froger	Universite Jean Monnet - Faculte des Sciences et Techniques, France	Spotlight ALOS-2 SAR interferometry monitoring of recent Piton de la Fournaise volcanic activity
	14:40	- 15:00	0:20	3	Tulay KAYA EKEN	Bogazici University, Turkey	Spatio-temporal monitoring of surface deformation along the North Anatolian Fault Zone and its potential interplay with physical properties in the crust
	15:00	- 15:20	0:20	4	Kuo-Lung WANG	National Chi Nan University, Chinese Taipei	Monitoring and Predicting Landslide Deposition in the Wushe Reservoir Catchment, Central Taiwan
	15:20	- 15:40	0:20	5	Hiroyuki Miura	Hiroshima University, Japan	Building damage identification in various natural disasters from interferometric SAR coherence and machine learning
	15:40	- 16:10	0:30				Discussion
16:10	- 16:30	0:20		Break			
16:30	- 17:40			Poster Session Core Time 1 (Hall 15C)			
17:50				End of Day 2			
Day 3: Nov. 8 (Wed)	10:00	- 12:30		Permafrost (Hall 14D)		Co-Chairs: Kazuki Yanagiya, Takeo Tadono (JAXA)	
	10:00	- 10:20	0:20	1	Masato Furuya	Hokkaido University, Japan	ALOS4ice: Advanced Observational Science of Cryosphere by ALOS Satellites
	10:20	- 10:40	0:20	2	Go Iwahana	University of Alaska Fairbanks, US	Ground Surface Displacement Measured by Multiple-band InSAR at Intact and Disturbed Tundra on the North Slope, Alaska
	10:40	- 11:00	0:20	3	Takahiro Abe	Mie University, Japan	Permafrost degradation in eastern Siberia inferred from ALOS-2 InSAR time-series analysis
	11:00	- 11:20	0:20	4	Chao Wang	Aerospace Information Research Institute, CAS, China	Thaw Slump-derived Thermokarst Monitoring by ALOS-2 in Qinghai-Tibet Plateau
	11:20	- 11:40	0:20	5	Yoon Taek Jung	Sejong University, Korea, Rep.	Observation of seasonal deformation in permafrost area using PALSAR-2 and Sentinel-1
	11:40	- 12:00	0:20	6			
	12:00	- 12:30	0:30				Discussion
	12:30	- 14:00	1:30		Lunch Break		
	14:00	- 16:10			Applications (Hall 14D)		Co-Chairs: Sota Hirayama, Kenshiro Arie (JAXA)
	14:00	- 14:20	0:20	1	Akira Hirose	The University of Tokyo, Japan	Fusion of synthetic-aperture-radar and optical data and explainability in neural network processing
	14:20	- 14:40	0:20	2	Thang Nam Ha	University of Agriculture and Forestry, Hue University, Vietnam	Potential ALOS 2 for mangrove mapping and biomass/ carbon stock estimation
	14:40	- 15:00	0:20	3	Wataru Takeuchi	The University of Tokyo, Japan	Mangrove Forest Monitoring in Larut-Matang Reserve, Perak, Malaysia
	15:00	- 15:20	0:20	4	Shubham Awasthi	Indian Institute of Technology Roorkee, India	Snow Parameter Estimation using L band polarimetric SAR datasets
	15:20	- 15:40	0:20	5			
	15:40	- 16:10	0:30				Discussion
	16:10	- 16:30	0:20		Break		
16:30	- 17:40			Poster Session Core Time 2 (Hall 15C)			
17:50				End of Day 3			

Day 4: Nov. 9 (Thu)	9:30	-	12:35			ALOS Kyoto & Carbon Initiative (K&C) Session 1: JAXA Updates & Forest 1 (Hall 14D)		Co-Chairs: Ake Rosenqvist (soloEO/JAXA), Christian Koyama (JAXA)		
	9:30	-	9:35	0:05	0	Takeo	Tadono	JAXA	Welcome	
	9:35	-	9:55	0:20	1	Ake	Rosenqvist	JAXA/soloEO, Japan	K&C Update, ALOS-4 polarimetric observation plans for K&C	
	9:55	-	10:05	0:10	2	Kazufumi	Kobayashi	RESTEC, Japan	EORC global mosaic processing/re-processing and data distribution	
	10:05	-	10:25	0:20	3	Christian	Koyama	JAXA	Achievements of the ALOS-2 long-term pantropical forest monitoring mission	
	10:25	-	10:45	0:20	4	Maurizio	Santoro	Gamma Remote Sensing AG, Switzerland	Decadal forest biomass change with ALOS-2 and ALOS-4 L-band SAR observations	
	10:45	-	11:05	0:20	5	Rodrigo	Souza	IBAMA, Brazil	Detection of illegal mining in Brazilian Amazon using SAR images and Machine Learning approaches	
	11:05	-	11:25	0:20	6	Edson	Sano	EMBRAPA, Brazil	Combined use of ALOS-3 and ALOS-4 data sets for monitoring expansion in the Brazilian Cerrado and in the Amazon/Cerrado ecotone	
	11:25	-	11:45	0:20	7	Masanobu	Shimada	TDU, Japan	Development of AI based forest change area detection in Brazil	
	11:45	-	12:35	0:50					Q&A/Open floor discussions	
	12:35	-	14:00	1:25					Lunch Break	
	14:00	-	17:15				Forests, Wetland & LULC (Hall 14D)		Co-Chairs: Masato Hayashi, Yousei Mizukami (JAXA)	
	14:00	-	14:20	0:20	1	Saygin	Abdikan	Hacettepe University, Turkey	Forest above ground biomass estimation using ALOS-2 data in Northern Türkiye	
	14:20	-	14:40	0:20	2	Yang	Lei	National Space Science Center, CAS, China	Refined large-scale forest height retrieval using spaceborne repeat-pass L-band InSAR from ALOS/ALOS-2 and GEDI lidar	
	14:40	-	15:00	0:20	3	Akira	Kato	Chiba University, Japan	Monitoring post-fire condition using ALOS2 with terrestrial laser data	
	15:00	-	15:20	0:20	4	Sajana	Maharjan	ICIMOD, Nepal	Improving forest carbon estimation in mangrove forest of Bangladesh	
	15:20	-	15:40	0:20	5	Natalia Soledad	Morandeira	CONICET-UNSAM, Argentina	Classification of floodplain wetland types based on quad-pol ALOS/PALSAR polarimetric attributes	
	15:40	-	16:00	0:20					Break	
	16:00	-	16:20	0:20	6	Teruhisa	Komatsu	Japan Fisheries Resource Conservation Association, Japan	Estimation of seaweed bed blue carbon by satellite image analysis and field survey	
16:20	-	16:40	0:20	7						
16:40	-	17:00	0:20	8						
17:00	-	17:20	0:20	9						
17:20	-	17:50	0:30					Discussion		
17:15								End of Day 4		
Day 5: Nov. 10 (Friday)	9:30	-	12:30			ALOS Kyoto & Carbon Initiative (K&C) Session 2: Wetlands & Glaciers (Hall 14D)		Co-Chairs: Ake Rosenqvist (soloEO/JAXA), Christian Koyama (JAXA)		
	9:30	-	9:50	0:20	1	Bruce	Chapman	JPL, US	Joint polarimetric/time series analysis of inundation dynamics	
	9:50	-	10:10	0:20	2	Dandy	Novresiandi	BRIN, Indonesia	SAR data applications for tropical peatlands monitoring activities in Indonesia	
	10:10	-	10:30	0:20	3	Dirk	Hoekman	SarVision, Netherlands	Tropical forest biomass and peat carbon dynamics	
	10:30	-	10:50	0:20	4	Lammert	Hilarides	Wetlands Int'l, Netherlands	The Global Mangrove Watch: Mapping Extent and Uncertainty	
	10:50	-	11:10	0:20	5	Ake	Rosenqvist	JAXA/soloEO, Japan	ALOS-2 ScanSAR Regional Flooding Extent and Duration	
	11:10	-	11:30	0:20	6	Bernd	Scheuchl	UC Irvine, US	InSAR based Ice Velocity and Grounding Line Measurements in Antarctica	
	11:30	-	12:30	1:00					Q&A/Open floor discussions	
	12:30	-	14:00	1:30					Lunch Break	
	14:00	-	17:25				ALOS Kyoto & Carbon Initiative (K&C) Session 3: Forest 2 (Hall 14D)		Co-Chairs: Ake Rosenqvist (soloEO/JAXA), Christian Koyama (JAXA)	
	14:00	-	14:20	0:20	1	Masato	Hayashi	JAXA	JAXA EORC plans for biomass mapping	
	14:20	-	14:40	0:20	2	Maurizio	Santoro	Gamma Remote Sensing AG, Switzerland	Decadal forest biomass change with ALOS-2 and ALOS-4 L-band SAR observations	
	14:40	-	15:00	0:20	3	Akash	Verma	National Univ Singapore, Singapore	Assessing multi-sensor Earth observation time-series data for enhancing the credibility and integrity of nature-based climate solutions in Southeast Asia	
	15:00	-	15:20	0:20	4	Ashlin	Richardson	BC Wildfire Service, Canada	Wildfire Predictive Services – Fuel Type Layers	
	15:20	-	15:40	0:20	5	Johan	Fransson	Linnaeus University, Sweden	Retrieval of forest biomass and biomass change using ALOS, ALOS-2 and ALOS-4 L-band SAR data	
	15:40	-	16:00	0:20					Break	
	16:00	-	16:20	0:20	6	Markus	Zehner	FSU-Jena, Germany	Biomass estimation and change monitoring from multi-frequency SAR time-series	
16:20	-	16:40	0:20	7						
16:40	-	17:25	0:45					Q&A, Plans & Actions & Wrap up		
17:25								End of Day 5		

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