

ALOS-2 & ALOS-4 Session Agenda JFY2024

JST=UTC+9:00

\* Oral presentation time includes 5 minutes for Q&A

Version 6, as of November 19, 2024

Date	Start	End	(JST)	No.	Speaker	Affiliation	Research Title	
Day 2: Nov. 19 (Tue)	9:45	-	12:40		ALOS-2/ALOS-4 Plenary Session [Room 809 + Online(Teams)]		Co-Chairs: Takeo Tadono, Masato Ohki (JAXA)	
	9:45	-	10:05	0:20	1	Takeo Tadono	JAXA	Welcome Remarks & EO-RA Programs Status Updates
	10:05	-	10:25	0:20	2	Shinichi Sobue	JAXA	ALOS-2 Project Updates
	10:25	-	10:45	0:20	3	Takeshi Motohka	JAXA	ALOS-4 Project Updates
	10:45	-	11:05	0:20	4	Masato Ohki	JAXA	ALOS-2 Observation Status and Basic Observation Scenario Updates
	11:05	-	11:35	0:30		Break		
	11:35	-	11:55	0:20	5	Marco Lavalle (Bruce Chapman)	NASA JPL, California Institute of Technology	NISAR Overview and Status
	11:55	-	12:15	0:20	6	Ridha Touzi	CCRS (CCMEO), Natural Resources	Polarimetric ALOS4-PALSAR3 for operational mapping and monitoring peatlands and discontinuous permafrost in the oil sand exploration region (North Alberta)
	12:15	-	12:35	0:20				Discussion) Idea generation for combined use of ALOS-2/-4 and other missions toward to EORA4
	12:35	-	12:40	0:05		Group Photo		
	12:40	-	15:00	2:20		Lunch Break		
	15:00	-	17:20			ALOS-2/-4 Application [Room 806]		Co-Chairs: Yousei Mizukami, Souta Hirayama (JAXA)
	15:00	-	15:20	0:20	1	Sadra Karimzadeh	University of Tabriz	L-band SAR remote sensing: activities and trends
	15:20	-	15:40	0:20	2	David Grau	Arizona State University	Automated Water Leak Detection Under Paved Surfaces
	15:40	-	16:00	0:20	3	Jean Rochielle Mirandilla	Tokyo University of Agriculture and Technology	Rice Ecosystems Monitoring Using L-Band SAR Data
	16:00	-	16:20	0:20	4	Teruhisa Komatsu	Japan Fisheries Resource Conservation Association, Japan	Satellite remote sensing can monitor coral reef habitats over a long-term scale of more than 10 years: A case study of the Spermonde Archipelago, Indonesia
	16:20	-	16:40	0:20	5	Giulia Tessari	sarmap SA, Switzerland	Automatic recognition of ships in ALOS-2 SAR images using Deep Learning
16:40	-	17:00	0:20	6	Chinatsu Yonezawa	Tohoku University	Application of ALOS-2/PALSAR-2 data for monitoring of aquaculture	
17:00	-	17:20	0:20				Q&A	
17:20					End of Day 2			
Day 3: Nov. 20 (Wed)	10:00	-	12:30		ALOS-2/-4 Cryosphere and Permafrost [Room 806]		Co-Chairs: Kazuki Yanagiya, Kenshiro Arie (JAXA)	
	10:00	-	10:20	0:20	1	Takahiro Abe	Mie University	Phase changes associated with seasonal ground surface displacement and snow cover in interior Alaska detected by ALOS-2 InSAR
	10:20	-	10:40	0:20	2	Sang-Eun Park	Sejong University	Monitoring permafrost changes using SAR polarimetry and interferometry
	10:40	-	11:00	0:20	3	Chao Wang	Aerospace Information Research Institute, Chinese Academy of Sciences	Time-series ALOS-2 PALSAR SBAS-InSAR algorithm for permafrost thaw collapse monitoring
	11:00	-	11:20	0:20	4	Masato Furuya	Hokkaido University	Cryospheric Science by ALOS-2, Ionospheric Science by ALOS-2
	11:20	-	11:40	0:20	5	Go Iwahana	University of Alaska Fairbanks	ALOS4ice: Advanced Observational Science of Cryosphere by ALOS Satellites
	11:40	-	12:00	0:20				Q&A
	12:00	-	14:00	2:00		Lunch Break		
	14:00	-	17:30			ALOS-2/-4 Cal/Val, Polarimetry & Interferometry [Room 806]		Co-Chairs: Takeo Tadono, Yutaro Shigemitsu (JAXA)
	14:00	-	14:20	0:20	1	Akira Hirose	The University of Tokyo	Explainable artificial neural networks in PolSAR data processing
	14:20	-	14:40	0:20	2	Ryo Natsuaki	The University of Tokyo	Initial validation results of ALOS-4 data
	14:40	-	15:00	0:20	3	Hiroyoshi Yamada	Niigata University	Modified model-based scattering power decomposition for PolSAR data
	15:00	-	15:20	0:20	4	Yunung Nina Lin	Academia Sinica	Assimilation of SAR-based TEC for Regional Ionospheric Mapping in Taiwan
15:20	-	15:40	0:20	5	Yuta Otsuka	The University of Tokyo	Biquaternion Fourier domain filter to suppress interferometric noise for highly accurate DEM generation	
15:40	-	16:00	0:20				Q&A	
16:00					End of Day 3			
Day 4: Nov. 21 (Thu)	14:00	-	16:00		ALOS-2/-4 Forest [Room 806]		Co-Chairs: Yousei Mizukami, Souta Hirayama (JAXA)	
	14:00	-	14:20	0:20	1	Eren Gursoy Ozdemir	Bartın University	Forest above-ground biomass estimation using features derived from multiple satellite data
	14:20	-	14:40	0:20	2	Yang Lei	National Space Science Center, CAS	Refined Forest Height Retrieval Using Spaceborne Repeat-pass L-band InSAR from ALOS/ALOS-2 and GEDI Lidar
	14:40	-	15:00	0:20	3	Sajana Maharjan	ICIMOD	Improving forest carbon estimation in the forests of Hindu Kush Himalayan Region
	15:00	-	15:20	0:20	4	Johannes Balling	Wageningen University	ALOS-2 PALSAR-2 ScanSAR and Sentinel-1 data for timely tropical forest disturbance mapping
	15:20	-	15:40	0:20	5	Lu ZHANG	Wuhan University	Retrieval of Forest Structural Parameters and Sub-canopy Topography Using Low-frequency PolInSAR Data
	15:40	-	16:00	0:20				Q&A
16:00					End of Day 4			

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Day 2: Nov. 19 (Tue)	9:45	-	12:40		<b>ALOS-2/ALOS-4 Plenary Session [Room 809 + Online(Teams)]</b>		<b>Co-Chairs: Takeo Tadono, Masato Ohki (JAXA)</b>	
	9:45	-	10:05	0:20	1	Takeo Tadono	JAXA Welcome Remarks & EO-RA Programs Status Updates	
	10:05	-	10:25	0:20	2	Shinichi Sobue	JAXA ALOS-2 Project Updates	
	10:25	-	10:45	0:20	3	Takeshi Motohka	JAXA ALOS-4 Project Updates	
	10:45	-	11:05	0:20	4	Masato Ohki	JAXA ALOS-2 Observation Status and Basic Observation Scenario Updates	
	11:05	-	11:35	0:30		<b>Break</b>		
	11:35	-	11:55	0:20	5	Marco Lavalle (Bruce Chapman)	NASA JPL, California Institute of Technology NISAR Overview and Status	
	11:55	-	12:15	0:20	6	Ridha Touzi	CCRS (CCMEO), Natural Resources Polarimetric ALOS4-PALSAR3 for operational mapping and monitoring peatlands and discontinuous permafrost in the oil sand exploration region (North Alberta)	
	12:15	-	12:35	0:20	7			<b>Discussion</b> Idea generation for combined use of ALOS-2/-4 and other missions toward to EORA4
	12:35	-	12:40	0:05		<b>Group Photo</b>		
	12:40	-	14:00	1:20		<b>Lunch Break</b>		
	14:00	-	18:00			<b>ALOS-4 Cal/Val &amp; Science Team (CVST) [Room 808]</b>		<b>Co-Chairs: Takeo Tadono, Takeshi Motohka (JAXA)</b>
	14:00	-	14:15	0:15	1	Takeshi Motohka	JAXA PALSAR-3 initial cal/val status	
	14:15	-	14:30	0:15	2	Kazuki Yanagiya & Yutaro Shigemitsu	JAXA Initial results of InSAR with ALOS-4 and ALOS-2	
	14:30	-	14:45	0:15	3	Akihisa Hattori	Geospatial Information Authority of Japan ALOS-4 Cal/Val progress and plan in GSI	
	14:45	-	15:00	0:15	4	Urs Wegmüller	Gamma Remote Sensing AG PALSAR-3 ionosphere mitigation	
	15:00	-	15:15	0:15	5	Angel Matias Palomeque	CONAE CALVAL results using ALOS-2 acquisitions over Argentinian calibrations sites	
	15:15	-	15:30	0:15	6	Bruce Chapman	Jet Propulsion Laboratory Use of ALOS data in preparation for NISAR image and science calval activities	
	15:30	-	15:45	0:15	7	Ridha Touzi	CCRS (CCMEO), Natural Resources Assessment and calibration of polarimetric ALOS4-PALSAR3 using the Amazonian Raiforests	
	15:45	-	16:05	0:20		<b>Break</b>		
16:05	-	16:35	0:15	8	Malin Johansson	UiT The Arctic University of Norway L-band SAR for improved sea ice mapping and ice berg detection		
16:35	-	16:50	0:15	9	Takenobu Toyota	Hokkaido University Possibility of the algorithm with L-band SAR data for detecting deformed sea ice area in the Arctic Ocean		
16:50	-	17:05	0:15	10	Konstantinos Papathanassiou	Microwaves and Radar Institute, German Aerospace Center (TBD) Polarimetric and Interferometric Calibration for PalSAR-3 using Distributed Scatterers		
17:05	-	18:00	0:55		<b>Closed Session for the CVST Member</b>			
18:00					<b>End of Day 2</b>			
Day 3: Nov. 20 (Wed)	9:30	-	12:40		<b>ALOS Kyoto &amp; Carbon Initiative (K&amp;C): Forest 1 [Room 808]</b>		<b>Co-Chairs: Ake Rosenqvist (soloEO/JAXA), Christian Koyama (JAXA)</b>	
	9:30	-	9:45	0:15	0	Takeo Tadono	JAXA Welcome	
	9:45	-	10:05	0:20	1	Ake Rosenqvist	JAXA/soloEO K&C Update	
	10:05	-	10:25	0:20	2	Christian Koyama	JAXA Robust Operational Deforestation Detection and Early Warning with JJ-FAST Ver 4.2	
	10:25	-	10:45	0:20	3	Edson Eyji Sano	Brazilian Agricultural Research Corporation (EMBRAPA) Combined use of ALOS-3 and ALOS-4 data sets for monitoring expansion in the Brazilian Cerrado and in the Amazon/Cerrado ecotone	
	10:45	-	11:05	0:20	4	Zheng-Shu Zhou	The Commonwealth Scientific and Industrial Research Organisation (CSIRO) Trials of Multi-temporal ALOS-2 Polarimetric Data for Improved Dryland Salinity Estimate and Ecosystem Mapping in Western Australia	
	11:05	-	11:20	0:15		<b>Break</b>		
	11:20		11:40	0:20	5	Marco Lavalle (Bruce Chapman)	NASA JPL, California Institute of Technology L-band temporal coherence and backscatter time-series: Modeling and ALOS-2 observations in support of ecosystem science	
	11:40	-	12:00	0:20	6	John Armston	University of Maryland Integration of ALOS-2 and satellite laser altimetry for biomass estimation in savannas	
	12:00	-	12:20	0:20	7	Konrad Wessels	George Mason University Using ALOS data to quantify elephant impacts on vegetation in South Africa	
	12:20		12:40	0:20		<b>Q&amp;A/Open floor discussions</b>		
	12:40	-	14:00	1:20		<b>Lunch Break</b>		
	14:00	-	#REF!			<b>ALOS Kyoto &amp; Carbon Initiative (K&amp;C): Glaciers &amp; Forest 2 [Room 808]</b>		<b>Co-Chairs: Ake Rosenqvist (soloEO/JAXA), Christian Koyama (JAXA)</b>
	14:00	-	14:20	0:20	9	Bernd Scheuchl	University of California InSAR based Ice Velocity and Grounding Line Measurements in Antarctica	
14:20	-	14:40	0:20	10	Maurizio Santoro	Gamma Remote Sensing AG Forest biomass trends estimated from time series of ALOS L-band SAR observations		
14:40	-	15:00	0:20	11	Johan Fransson	Linnaeus University Retrieval of forest biomass and biomass change using ALOS, ALOS-2 and ALOS-4 L-band SAR data		

	15:00	-	15:20	0:20	12	Paul Siqueira	UMass	Vegetation and Agriculture algorithm development using ALOS time-series data
	15:20	-	15:40	0:20	13	Ashlin Richardson	BC Wildfire Service	Wildfire Predictive Services -- Fuel Type Layers
	15:40	-	16:00	0:20		<b>Break</b>		
	16:00	-	16:20	0:20	14	Akash Verma & Mari Trix Estomata	National Univ Singapore / Deutsche Gesellschaft für Internationale Zusammenarbeit(GIZ) GmbH	Assessing multi-sensor Earth observation time-series data for enhancing the credibility and integrity of nature-based climate solutions in Southeast Asia
	16:20	-	16:40	0:20	15	Ake Rosenqvist	soloEO	Global Mangrove Watch
	16:40	-	17:00	0:20	16	Richard Lucas	Aberystwyth University	Living Earth - Environmental Descriptors for Land Cover and Evidence- based Change Monitoring <b>【Recorded Presentation】</b>
	17:00	-	17:20	0:20				<b>Q&amp;A/Open floor discussions</b>
	17:20					<b>End of Day 3</b>		
<b>Day 4: Nov. 21 (Thu)</b>	10:00	-	12:20			<b>ALOS-2/-4 Disasters 1 [Room 808]</b>		<b>Co-Chairs: Masato Ohki, Keisho Ito (JAXA)</b>
	10:00	-	10:20	0:20	1	Sang-Ho Yun	Nanyang Technological University	Satellite SAR for Rapid Disaster Response and Climate Change Mitigation
	10:20	-	10:40	0:20	2	Yohei Kinoshita	University of Tsukuba	Small displacement detection by atmosphere-corrected time series InSAR analysis
	10:40	-	11:00	0:20	3	Emma Hill	Nanyang Technological University	Tectonics and subsidence in Southeast Asia
	11:00	-	11:20	0:20	4	Hongyu Liang	Tongji University	Deformation retrieval in low-coherence environments by using ALOS-1 and Sentinel-1 SAR images
	11:20	-	11:40	0:20	5	Rou-Fei CHEN	National Taipei University of Technology	Multi-temporal monitoring of slope susceptibility using ALOS-2/PALSAR-2 imagery in Taiwan
	11:40	-	12:00	0:20	6	Jean-Luc Froger	Université de Lyon, Université Jean Monnet - Saint-Etienne	High-Resolution, High-Frequency InSAR Monitoring of Volcanic Activity at Piton de la Fournaise Using ALOS-2 Spotlight Data
	12:00	-	12:20	0:20	7	Zhong Lu	Southern Methodist University	InSAR imaging of Aleutian volcanoes <b>【Online Presentation】</b>
	12:20	-	14:00	1:40		<b>Lunch Break</b>		
	14:00	-	16:10			<b>ALOS-2/-4 Disasters 2 [Room 808]</b>		<b>Co-Chairs: Masato Ohki, Keisho Ito (JAXA)</b>
	14:00	-	14:20	0:20	8	Tom Rune Lauknes	NORCE Norwegian Research Centre	Novel use of ALOS L-band InSAR for ground motion mapping in Norway, with focus on landslides and periglacial processes
	14:20	-	14:40	0:20	9	Ryoichi Sato	Niigata University	Fundamental analysis of polarimetric indicators for detecting flooded urban area using quad/dual pol data
	14:40	-	15:00	0:20	10	Bruno Adriano	Tohoku University	Integration of deep neural networks and physics-based features to estimate flood depth using ALOS-2 data
	15:00	-	15:20	0:20	11	Giulia Tessari	sarmap SA, Switzerland	Monitoring of Sakurajima volcano in Japan with ALOS-2 data: from small displacement measurement to modeling and forecast
15:20	-	15:40	0:20	12	Takashi Nonaka	Nihon University	Temporal trend analysis of ground deformation in Chiba Prefecture using multi-temporal ALOS-2 data	
	15:40	-	16:10	0:30				<b>Q&amp;A</b>
	16:10					<b>End of Day 4</b>		

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