

3rd International Polarimetric SAR Workshop in Niigata 2012

Date: August 23-26, 2012

Venue: Tokimate (Niigata Univ. Satellite Campus), Niigata, Japan
(<http://www1.niigata-u.ac.jp/tokimate/>)

Sponsored by

Niigata Univ.; IEEE GRS Japan Chapter; IEICE SANE ; and URSI-F, Japan

Schedule Overview

Aug. 23	Aug. 24	Aug. 25	Aug. 26
09:00 ~ 10:30 Morning Session 1	09:00 ~ 10:30 Morning Session 1	09:00 ~ 10:30 Morning Session 1	Scientific Excursion SADO island (07:55 ~ 18:30)
10:30 ~ 10:50 Coffee Break	10:30 ~ 10:50 Coffee Break	10:30 ~ 10:50 Coffee Break	
10:50 ~ 12:20 Morning Session 2	10:50 ~ 12:20 Morning Session 2	10:50 ~ 12:20 Morning Session 2	
12:20 ~ 13:40 Lunch Break	12:20 ~ 13:40 Lunch Break	12:20 ~ 13:40 Lunch Break	
13:40 ~ 15:10 Afternoon Session 1	IEICE SANE (Space, Aeronautical and Navigational Electronics) Technical Committee Meeting	13:40 ~ 15:10 Afternoon Session 1	
15:10 ~ 15:30 Coffee Break		15:10 ~ 15:30 Coffee Break	
15:30 ~ 16:30 Afternoon Session 2		15:30 ~ 16:30 Afternoon Session 2	
16:30 ~ 16:40 Coffee Break		16:30 ~ 16:40 Coffee Break	
16:40 ~ 18:20 Afternoon Session 3		16:40 ~ 18:20 Afternoon Session 3	

Program Details

Aug. 23

		Name	Affiliation	Title
9:00	9:30	Prof. Wolfgang Martin Boerner	University of Illinois at Chicago, USA	Historical development of Radar Polarization technology towards Radar Polarimetry culminating in fully polarimetric POL-IN-SAR
9:30	10:00	Prof. Wolfgang Martin Boerner	University of Illinois at Chicago, USA	Assessment of fully polarimetric POLSAR Remote Sensing & Geophysical Stress-change monitoring with implementation to agriculture, forestry & aqua-culture plus natural disaster assessment & monitoring within the Pacific Ring of Fire
10:00	10:30	Dr. Masanobu Shimada	JAXA	Polarimetric Geometric Calibration and Validation of the newly developed JAXA Pi-SAR-L2 and the Interferometric and polarimetric performances
10:30	10:50	<i>Break</i>		
10:50	11:20	Dr. Ridha Touzi	Canada Centre for Remote Sensing, Canada	Calibration of polarimetric Radarsat2 using high precision transponder measurements
11:20	11:50	Dr. Kostas Papathanassiou	DLR, Germany	Polarimetric SAR Interferometry Activities at DLR
11:50	12:20	Dr. Scott Hensley	JPL, USA	Polarimetric and Polarimetric Interferometric Research at JPL
12:20	13:40	<i>Lunch</i>		
13:40	14:10	Dr. Jakob J. Van Zyl	JPL, USA	A Polarimetric Segmentation Approach for Soil Moisture Active/Passive (SMAP) Mission: Algorithm Description and Results
14:10	14:40	Dr. Yunjin Kim	JPL, USA	A Polarimetric Segmentation Approach for Soil Moisture Active/Passive (SMAP) Mission: Application to Time Series Algorithm
14:40	15:10	Prof. Kun-Shan Chen	National Central University, Tiwan	Polarimetric Surface Scattering from Layered Media
15:10	15:30	<i>Break</i>		
15:30	16:00	Dr. Bryan Chih-yuan Chu	National Central University, Tiwan	Polarimetric Analysis of Coastal Environments Based on Four-Component Scattering Decomposition
16:00	16:30	Prof. Shiv Mohan	ISRO, India	SAR polarimetry applications for terrestrial and lunar surfaces
16:30	16:40	<i>Break</i>		
16:40	17:10	Prof. Dhamendra Singh	IIT Roorkee, India	Problems and Challenges to Study Lunar Surface Using Mini-SAR Data of Chandrayaan-1
17:10	17:40	Prof. Y. S. Rao	IIT, Bombay, India	Classification of Multifrequency and Multipolarization SAR data for Various Land Features
17:40	18:20	Dr. Sang-Eun Park	Niigata University, Japan	Polarimetric SAR remote sensing of earthquake/tsunami disaster
18:30	-	<i>Get together party</i>		

Aug. 24

		Name	Affiliation	Title
9:00	9:30	Dr. Jong Sen Lee	Naval Research Laboratory, USA	Generalized model-based scattering decomposition based on incoherent scattering models
9:30	10:00	Dr. Thomas L. Ainsworth	Naval Research Laboratory, USA	Polarimetric Classification Based on Underlying Scatterer Shape and Orientation Distributions
10:00	10:30	Dr. Shane Cloude	AELc, Scotland	Compact POLSAR and POInSAR: Good or Bad?
10:30	10:50	<i>Break</i>		
10:50	11:20	Prof. Eric Pottier	University of Rennes 1, France	On the use of fully polarimetric ALOS-PALSAR and Radarsat-2 datasets for monitoring the wetland dynamics and for detecting archaeological sites
11:20	11:50	Prof. Laurent Ferro-Famil	University of Rennes 1, France	TBD
11:50	12:20	Prof. Carlos López-Martínez	UPC, Spain	Speckle Noise Characterization and Filtering in PolSAR and PolInSAR Data
SANE Meeting				

Aug. 25

		Name	Affiliation	Title
9:00	9:30	Prof. Wooil Moon	University of Manitoba, Canada	TBD
9:30	10:00	Prof. Motoyuki Sato	Tohoku University, Japan	Near range polarimetric SAR
10:00	10:30	Prof. Akira Hirose	The University of Tokyo, Japan	Adaptive signal processing based on complex-valued neural networks in radar imaging
10:30	10:50	<i>Break</i>		
10:50	11:20	Prof. Jian Yang	Tsinghua University, China	TBD
11:20	11:50	Prof. Bin Zou	Harbin Institute of Technology, China	Asymmetric Decomposition Method for Polarimetric SAR Data Using a Modified Four-Component Scattering Model
11:50	12:20	Dr. Haipeng Wang	Fudan University, China	Reconstruction of a 3D Complex Target Using Step-Frequency Radar
12:20	13:40	<i>Lunch</i>		
13:40	14:10	Prof. Josaphat Tetuko Sri Sumantyo	Chiba University, Japan	Development of Synthetic Aperture Radar onboard Unmanned Aerial Vehicle
14:10	14:40	Dr. Makoto Satake	NICT, Japan	TBD
14:40	15:10	Dr. Motofumi Arii	Mitsubishi Space Software, Japan	TBD
15:10	15:30	<i>Break</i>		
15:30	16:00	Prof. Toshifumi Moriyama	Nagasaki University, Japan	TBD

16:00	16:30	Prof. Akira Kato	Chiba University, Japan	TBD
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<i>16:30</i>	<i>16:40</i>	<i>Break</i>		
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16:40	17:10	Dr. Yi Cui	Niigata University, Japan	TBD
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17:10	17:40	Dr. Gulab Singh	Niigata University, Japan	TBD
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17:40	18:00	Prof. Yoshio Yamaguchi	Niigata University, Japan	Discussions and Closing Remarks
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