

Day 1, Monday 26 January 2015

08:30	09:30	Registration		
		Opening Session	Chair: TBD	
09:30	09:40	Opening Welcome	M. Borgeaud	ESA
09:40	10:00	SEOM Programme Overview - POLINSAR Achievements and Status	Y-L. Desnos	ESA
10:00	10:20	PoISAR-AP: Exploitation of Fully Polarimetric Data for Application Demonstration - Final Results	Hajnsek, Irena	DLR
10:20	10:50	Coffee Break		
		Session - SAR Missions	Chair: TBD	
10:50	11:10	Sentinel-1 Mission	P. Potin	ESA
11:10	11:30	ALOS PALSAR-2 Mission	M. Shimada	JAXA
11:30	11:50	RCM Mission	S. Chalifoux	CSA
11:50	12:10	SAOCOM Mission	M. Davidson	ESA
12:10	12:30	Tandem-L/ALOS-Next: Monitoring the Earth's Dynamics with PolinSAR	Moreira, Alberto	DLR
12:30	14:00	Lunch		
		Session - Methods and Theoretical Modelling (A)	Chair: TBD	
14:00	14:20	PoISARproSim+: The enhanced coherent, polarimetric simulator for studying forest polarimetry and interferometry	Ahmed, Razi	JPL
14:20	14:40	Solving the integral of quadratic forms of covariance matrices for applications in polarimetric radar imagery	Marino, Armando	ETH Zurich
14:40	15:00	Comparative Analysis of Temporal Decorrelation at P and L bands over Tropical forests: EM Simulations and Results from Tower based Experiments	Villard, Ludovic	CESBIO
15:00	15:20	Imaging a Wide Swath with Full Polarimetry	Villano, Michelangelo	DLR
15:20	15:40	The impact of system limitations on PoISAR data physical modeling: the TerraSAR-X case	Makhoul, Eduardo	Universitat Politècnica de Catalunya
15:40	16:00	Can higher-order statistics add information in model-based polarimetric decompositions?	Eltoft, Torbjorn	University of Tromsø
16:00	16:30	Coffee Break		
		Session - Methods and Theoretical Modelling (B)	Chair: TBD	
16:30	16:50	Spectral Method For Bright Scatterers Resolution Enhancement	Weissgerber, Flora	Telecom Paristech
16:50	17:10	Precipitating cloud effects on the radar polarimetric signature at Ka band	Mori, Saverio	University "La Sapienza" Rome
17:10	17:30	Investigation of Variations in the Equivalent Number of Looks for Polarimetric channels	HU, Dingsheng	University of Tromsø
17:30	17:50	A Heterogeneity Index and Its Application to Parameter Estimation of Multilook PoISAR Clutter	Zhang, Hong	Institute of Remote Sensing and Digital Earth, CAS
17:50	18:30	Round Table Discussion		
18:30	19:30	Welcome Cocktail		

Day 2, Tuesday 27 January 2015

		Session - Applications of SAR Polarimetry on Land & Agriculture	Chair: TBD	
09:00	09:20	The role of polarimetry in a dynamical approach for agricultural crop monitoring	Vicente-Guijalba, Fernando	University of Alicante
09:20	09:40	Polarimetric L-band ALOS for accurate assesement of fire damages in boreal peatlands	Touzi, Ridha	Canada Centre for Remote Sensing
09:40	10:00	The performance of Sentinel-1 for mapping built-up areas	Voormansik, Kaupo	Tartu Observatory
10:00	10:20	Potentials of Bistatic Polarimetric SAR for Subsurface Imaging in Arid Regions	Paillou, Philippe	University of Bordeaux
10:20	10:40	Four-Step OVoG Inversion for the Retrieval of Agricultural Crop Structure by Means of Multi-Baseline Polarimetric SAR Interferometry	Pichierri, Manuele	ETH Zurich
10:40	11:10	Coffee Break		
11:10	11:30	Polarimetry-based land cover classification with Sentinel-1 data	Banqué, Xavier	Altamira Information
11:30	11:50	Automated feature extraction by combining polarimetric SAR and object-based image analysis for monitoring of natural resource exploitation	Plank, Simon	DLR
11:50	12:10	Round Table Discussion		
		Session - Applications of SAR Polarimetry on Soil Moisture	Chair: TBD	
12:10	12:30	Estimation of Soil Moisture under Vegetation Cover at Multiple Frequencies	Jagdhuber, Thomas	DLR
12:30	12:50	Soil Moisture Change Under Vegetation: PolInSAR modeling, simulation and observations	Lavalle, Marco	JPL/Caltech
12:50	13:10	Exploitation of Radarsat-2 dual and quad-pol images and modelled compact polarimetry parameters for surface soil moisture estimation in mountain areas.	Greifeneder, Felix	EURAC Research Bolzano
13:10	14:40	Lunch		
14:40	15:00	Exploring the validity range of the polarimetric two-scale two-component model for soil moisture retrieval by using AGRISAR data	Iodice, Antonio	Universita' degli Studi di Napoli Federico II
15:00	15:20	Interferometric phase based soil moisture change detection using dual pol SAR data	Yin, Qiang	Institute of Electronics, Chinese Academy of Sciences
15:20	15:40	Time Series Analysis of Hybrid Polarimetric RISAT-1 Data for Soil Moisture Estimation	Gramini Ganesan, Ponnurangam	Indian Institute of Technology Bombay
15:40	16:00	Round Table Discussion		
16:00	16:30	Coffee Break		
		Session - Applications of SAR Polarimetry on Ocean	Chair: TBD	
16:30	16:50	On the capability of compact polarimetry SAR architectures to observe oil slicks at sea	Buono, Andrea	Università degli Studi di Napoli Parthenope
16:50	17:10	Analysis and optimization of target scattered wave polarization signature for enhanced ship detection using Radarsat-2	Touzi, Ridha	Canada Centre for Remote Sensing
17:10	17:30	A ship detection experimnet: The case of South Africa	Paes, Rafael L	National Institute for Space Research
17:30	17:50	Ships and Maritime targets observation campaigns using available C- and X-band SAR satellites	Ressel, Rudolf Andreas	DLR
17:50	18:10	Round Table Discussion		
18:10	19:40	POLINSAR POSTER SESSION - DRINK		

Day 3, Wednesday 28 January 2015

		Session - SAR Polarimetry	Chair: TBD	
09:00	09:20	A new light on misclassification results on the SOMA district in San Francisco, due to the difficulty to predict entropy	Colin Koeniguer, Elise	Onera
09:20	09:40	A Physical Explanation of Texture for Polarimetric SAR data	Deng, Xinping	Remote Sensing Laboratory
09:40	10:00	Classification Comparisons Between Compact Polarimetric and Quad-pol SAR Imagery	Souissi, Boularbah	University of Science and Technology
10:00	10:20	Evaluation of multilook effect in ICA based ICTD	Figuroa Pralon & Leandro Guimaraes	Grenoble Institute of Technology
10:20	10:40	Change detection in a time series of polarimetric SAR images	Skriver, Henning	Technical University of Denmark
10:40	11:00	<i>Round Table Discussion</i>		
11:00	11:30	Coffee Break		
		Session - SAR Polarimetric Interferometry and Tomography	Chair: TBD	
11:30	11:50	TanDEM-X Pol-InSAR Inversion for Mangroves of East Africa	Lee, SeungKuk	NASA Goddard Space Flight Center
11:50	12:10	On the Characterisation of Scattering Mechanisms Occurring in Agricultural Vegetation by Means of Polarimetric SAR Tomography	Joerg, Hannah	DLR
12:10	12:30	Forest height estimation using Space-borne PolInSAR dataset over Tropical forests of India	Khatri, Unmesh Govind	Indian Institute of Remote Sensing
12:30	12:50	Above Ground Biomass estimation from SAR vertical reflectivity profiles	Toraño Caicoya, Astor	DLR
12:50	13:10	Vegetation height estimation performance with respect to RVoG model deviations for full and compact polarimetry	Roueff, Antoine	Ecole Centrale Marseille
13:10	14:40	Lunch		
14:40	15:00	DIFF-TOMO Opportunities for long wavelength satellite systems	Viviani, Federico	University of Pisa
15:00	15:20	Exploring Vegetation Profiles from TanDEM-X Phase, Lidar, and Field Measurements in Tropical Forests	Treuhaft, Robert	JPL
15:20	15:40	<i>Round Table Discussion</i>		
		Session - Applications of SAR Polarimetry on Cryosphere - Sea Ice & Snow	Chair: TBD	
15:40	16:00	Extraction of late summer sea ice properties from polarimetric SAR features in C- and X- band	Fors, Ane	University of Tromsø
16:00	16:20	Radar Interferometric and Polarimetric Possibilities for Determining Sea Ice Thickness	Hensley, Scott	JPL
16:20	16:50	Coffee Break		
16:50	17:10	Retrieval of sea ice salinity with fully polarimetric SAR	Grahn, Jacob	University of Tromsø
17:10	17:30	Automated sea ice classification based on dual polarimetric TerraSAR-X data	Ressel, Rudolf Andreas	DLR
17:30	17:50	Polarimetric and Interferometric Methods to determine Snow Depth, SWE, and the Depth of Fresh Snow	Leinss, Silvan	ETH Zürich
17:50	18:10	Dual-Pol X-Band Pol-InSAR Time Series of a Greenland Outlet Glacier	Fischer, Georg	DLR
18:10	18:30	What can polarimetric SAR data tell us about snow accumulation on polar ice sheets?	Linow, Stefanie	Alfred-Wegener-Institut
18:30	18:50	<i>Round Table Discussion</i>		

Day 4, Thursday 29 January 2015

		Session - The Biomass Mission	Chair: TBD	
09:00	09:20	Facing the scientific challenges of the BIOMASS mission	Quegan, Shaun	University of Sheffield
09:20	09:40	The Biomass mission, status of the satellite system	Arcioni, Marco	ESA-ESTEC
09:40	10:00	On the Separation of Dynamic Scattering and Ionospheric Effects in SAR Data	Kim, Jun Su	DLR
10:00	10:20	Assessment Of Tropical Forest Biomass: A Challenging Objective For The Biomass Mission	Le Toan, Thuy	CESBIO
10:20	10:40	On the Correlation Between Biomass and the P-band, Polarimetric HH-VV Phase Difference, and Its Potential for Biomass and Tree Number Density Estimation from SAR	Soja, Maciej Jerzy	Chalmers University of Technology
10:40	11:10			
		Session - P-band PolSAR and PolInSAR for Forest Information Retrieval	Chair: TBD	
11:10	11:30	On Combining BIOMASS with Contemporary Sensors	Williams, Mark L.	Horizon Geoscience Consulting
11:30	11:50	Forest Above Ground Biomass Extraction From Airborne P-Band PolSAR Data	Feng, Qi	Chinese Academy of Forestry
11:50	12:10	First Results From The Ecosar P-Band Digital Beamforming Single Pass InSAR	Fatoyinbo, Lola	NASA Goddard Space Flight Center
12:10	12:30	Impact of temporal decorrelation on tree height and biomass estimation at P-band: PolInSAR experiments with the P-band RMoG model	Lavalle, Marco	JPL/Caltech
12:30	12:50	PolInSAR Height Retrieval Method based on Electromagnetic Forward Meta-Model initiated with TomoSAR Estimates: Applications on TropiSAR Data and Prospects for Biomass mission	Villard, Ludovic	CESBIO
12:50	13:10	A Comparison of P- and L-Band 3-D PolInSAR Forest Structure Estimates: A Study Case in Traunstein (Germany)	Pardini, Matteo	DLR
13:10	14:40	Lunch		
		Session - P-band Tomography	Chair: TBD	
14:40	15:00	SAR Tomography imaging of a tropical forest at P- and L-band	Ho Tong Minh, Dinh	CESBIO
15:00	15:20	Airborne Holographic SAR Tomography at L- and P-band	Ponce, Octavio	DLR
15:20	15:40	Tropical forest BIOMASS retrieval using P-band POLTOMSAR data	El Hajj Chehade, Bassam	University of Rennes 1
15:40	16:00	Forest Structure Information Retrieval from Polarimetric Tomographic SAR Data	Tello, Marivi	DLR
16:00	16:30	Coffee Break		
		Session - Biomass Beyond Forests	Chair: TBD	
16:30	16:50	The BIOMASS Mission: Secondary Objectives	Pailou, Philippe	University of Bordeaux
16:50	17:10	A Comparison of L- and P-band PolSAR Observations of a Sub-polar Ice-cap	Parrella, Giuseppe	DLR
17:10	17:30	The effect of dielectric changes on ice velocities measured with polarimetric DInSAR	Dall, Jorgen	Technical University of Denmark
17:30	18:10	Round Table Discussion		
18:10	19:40	BIOMASS POSTER SESSION - DRINK		

Day 5, Friday 30 January 2015

		Session - Airborne and Campaigns	Chair: TBD	
09:00	09:20	Mapping and validating forested landscapes in 3D using radar interferometry over the Laurentides super site	Simard, Marc	JPL
09:20	09:40	Airborne Campaigns for Forest Information Extraction from InSAR and PolSAR Data	Chen, Erxue	Research Institute of Forest Resources Information Technique
09:40	10:00	Assessment of TangoSat and Biomass tomographic modes for the characterization of boreal forests using airborne SAR measurements	Ferro-Famil, Laurent	University of Rennes 1
10:00	10:20	A Comparison of UAVSAR and PolSARproSim+ Simulated Data for Multiple Vegetation Types	Hensley, Scott	JPL
10:20	10:40	ALOS2-INDONESIA REDD+ EXPERIMENT (AIREX): Soil pool carbon application	Raimadoya, Mahmud Arifin	Bogor Agricultural University
10:40	11:10	Coffee Break		
		Session Summary - POLinSAR	Chair: TBD	
11:10	11:20	Methods and Theoretical Modelling		
11:20	11:30	SAR Missions & Airborne Campaigns		
11:30	11:40	SAR Polarimetry, POLinSAR and Tomography		
11:40	11:50	Applications of SAR Polarimetry on Land & Soil Moisture		
11:50	12:00	Applications of SAR Polarimetry on Ocean		
12:00	12:10	Applications of SAR Polarimetry on Cryosphere		
		Session Summary - BIOMASS		
12:10	12:20	TBD	Chair: TBD	
12:20	12:30	TBD		
12:30	12:40	TBD		
12:40	12:50	TBD		
12:50	13:00	TBD		
13:00	13:10	TBD		
13:10	13:30	Closing Session	Chairs: Y-L. Desnos / K. Scipal	
		END of the WORKSHOPS		