

**Tuesday 19/03/2018**

9:00	Registration	
9:30	Welcome & Scope of the Workshop	K. Scipal
9:45	Keynote: Bi- and Multistatic SAR: Past, Present and Future	G. Krieger
10:15	Missions & Technology	F. Rocca, M. Rodriguez-Cassola
10:15	Loose formations of SAR satellites	F. Rocca
10:35	Multi-Static HRWS - A Pioneer for future SAR Missions	L. Petrat
10:55	Coffee Break	
11:25	Innovative MirrorSAR Concept for Multi-Static HRWS	J. Mittermayer
11:45	Distributed Synthetic Aperture Radar by Small Formation Flying Satellites: Objectives, System Concepts and Performance	A. Renga
12:05	Distributed SAR Concepts for Future Earth Observation Missions	M. Rodriguez-Cassola
12:25	MIMO SAR microsattellites constellations: concepts and performance analyses	D. Giudici
12:45	Lunch (Sandwich Lunch at Theaterzaal)	
13:45	On the PRF Design for a swarmSAR Concept	L. Iannini
14:05	STEREOID: a multistatic extension of Sentinel-1 to observe land, ice, and ocean surface dynamics	P. Lopez-Dekker
14:25	Synchronisation concepts, technology and performance for Bistatic SAR Missions	M. Tossaint
14:45	Preliminary study of a Geostationary L-band & Optical Bistatic passive System : the GLOBS mission	L. Villard
15:05	Plenary Discussion Missions & Technology	F. Rocca, M. Rodriguez-Cassola
15:35	Coffee Break	
16:05	Techniques, Processing & Simulation	L. Ferro-Famil, D. Giudici
16:05	Bistatic SAR Image Formation and Interferometric Processing for the STEREOID Mission Concept	P. Prats-Iraola
16:25	Range-Doppler reconstruction algorithm for multistatic SAR formations in high resolution wide swath mode	N. Sakar
16:45	On the Simulation of Bistatic SAR Data for the Support in System Design, Algorithm Development, and Performance	M. Rodriguez-Cassola
17:05	Welcome Reception	

### Wednesday 20/03/2018

9:00	Potential for absolute ionosphere and clock correction in non-cooperative bistatic SAR	S. Tebaldini
9:20	3-D SAR imaging of natural environments in opposite view bistatic configuration: the bizona concept	L. Ferro-Famil
9:40	Characterization of the Bistatic Polarimetry in the STEREOID Mission	L. Iannini
10:00	Plenary Discussion Techniques, Processing & Simulation	L. Ferro-Famil, D. Giudici
10:30	Coffee Break	
11:00	Campaigns & Instruments	L. Ulander, K. Morrison
11:00	Concepts to Extend the ESA WBSCAT Terrestrial Polarimetric Scatterometer to support Multistatic Measurements	C. Werner
11:20	First measurements performed using a bistatic terrestrial real-aperture polarimetric radar: KAPRI	M. Stefko
11:40	Indoor and Outdoor Opportunities with the University of Reading's Laboratory and SAR Drone	K. Morrison
12:00	Bistatic SAR Lab: smart sensing and data intelligence	A. Anghel
12:20	Lunch (Sandwich Lunch at Theaterzaal)	
13:20	Metasensing bistatic airborne SAR processing scheme and preliminary interferometric analysis	S. Placidi
13:40	BeISAR : an airborne campaign for L-band, bistatic full-polarimetric and interferometric SAR acquisitions over an agricultural site in Belgium	C. Barbier
14:00	Simulation of single-pass C-band InSAR time series over forests using a 20-channel tower-based radar	L. Ulander
14:20	Effects of temporal variations on tomographic imaging of forests by repeat-pass SARs and bistatic single-pass interferometers: a radar tower study	A. Monteith
14:40	Plenary Discussion Campaigns & Instruments	L. Ulander, K. Morrison
15:10	Coffee Break	
15:40	Applications	H. Rott, N. Pierdicca
15:40	Cryosphere applications of multistatic SAR missions	H. Rott
16:00	Multistatic observation of land for soil moisture and vegetation monitoring	N. Pierdicca
16:20	L- and P-Band three-dimensional imaging of natural media by bi- and multi-static SAR	S. Tebaldini
16:40	Measuring Wetlands Using Forward Scattered GPS Signals Observed from CYGNSS	E. Loria
17:00	End of Day	

**Thursday 21/03/2018**

9:00	Multistatic observation of the ocean for wind field retrieval	N. Pierdicca
9:20	Ocean surface current measurements using Along-track Interferometric SAR: Examples from the Baltic Sea	A. Elyouncha
9:40	Surface wind and surface motion retrieval by the STEREOID mission: methodology and performance assessment	P. Lopez-Dekker
10:00	Coffee Break	
10:30	Performance of 3-D deformation measurements by the STEREOID mission	Y. Li
10:50	On the measurement of displacement by means of surface-space passive bistatic SAR interferometry	G. Nico
11:10	InSAR DEM differencing for forest carbon change mapping	S. Solberg
11:30	Plenary Discussion Applications	H. Rott, N. Pierdicca
12:00	Wrap-Up and Recommendations	P. Lopez-Dekker, G. Krieger
13:00	End of Workshop	