

MONDAY MAY 28

13:00-14:00	Registration		
14:00-14:30	Opening Session (Chair: Paolo Gamba, UNIPV)		
	Welcome by UNIPV		
	Welcome by GTTI		
	Welcome by CNIT-RaSS		
14:30-15:20	Plenary Session (Chair: Vito Pascazio, UNIPARTHENOPE) - Dara Entekhabi, MIT: "Science and Applications Results Based on NASA Soil Moisture Active Passive (SMAP) Satellite Mission Measurements"		
15:20-17:00	Oral Session I (Chair: Sebastiano Bruno Serpico, UNIGE)	Multi/hyperspectral data processing	
	S. Ghassemi (1), C. Sanduz (2), A. Flandrotti (1), F.G. Tonoloz (2), P. Boccardo (1), G. Francini (3), E. Magli (1)	(1) POLITO; (2) ITHACA; (3) TELECOM ITALIA - Torino	Satellite Image Segmentation with Deep Residual Architectures for Time-Critical Applications
	S. Matteoli (1), L. Zotta (2), M. Diani (3), G. Corsini (2)	(1) CNR-IEIT; (2) UNIPI; (3) Accademia Navale	Detection and recognition of underwater objects and structures - performance forecasting and mission planning
	M. Moscadelli (1), M. Diani (2), G. Corsini (1)	(1) UNIPI; (2) Accademia Navale	IMPROVED ALPHA RESIDUALS FOR TARGET DETECTION IN THERMAL HYPERSPECTRAL IMAGING
	F. Bovolo (1), L. Bruzzone (2), D. Fernandez-Prieto (3), C. Paris (2), Y.T. Solano-Correa (1,2), M. Zanetti (2)	(1) FBK; (2) UNITN; (3) ESA-ESRIM	Advanced Methods for the Analysis of Multitemporal Sentinel 2 Images
	A. Mazza (1), M. Gargiulo (1), R. Gaetano (2), G. Poggi (1), G. Scarpa (1)	(1) UNINA; (2) UMR-TETIS Laboratory - Montpellier	CNN-BASED REGRESSION OF NDVI ON SAR/SENTINEL-1 TIME SERIES
17:00-18:30	Afternoon break	Poster Session	
	M. Che, P. Gamba	UNIPV	COMPARISON OF LARGE-SCALE AND SMALL CHANGE DETECTION FOR URBAN AREAS USING MULTIPLE SATELLITE DATA
	L.F. Rocco, M.F. Labanda, S. Masuelli, A. Menescardi	CONAE	A comparative analysis of some unmixing algorithms for hyperspectral imaging using spectral libraries
	L. Carrer, L. Bruzzone	UNITN	A Bio-Inspired Technique for Clutter Reduction in Radar Sounder Systems
	G. Ferraioli, V. Pascazio	UNIPARTHENOPE	A NEW APPROACH FOR NL IMAGE FILTERING BASED ON KS TEST
	M. Ambrosanio, G. Schirinzì, V. Pascazio	UNIPARTHENOPE	Wavelet Decomposition Basis for Mixed-Norm Strategies in Ground Penetrating Radar Applications
	F.Filippini (1), T.Martelli (1), F.Colone (1), R. Cardinali (2)	(1) UNIROMA1; (2) LEONARDO	DVB-T based passive coherent location systems: Recent advances and current challenges
	A. De Giorgi (1), G. Moser (1), G. Poggi (2), G. Scarpa (2), S.B. Serpico (1)	(1) UNIGE; (2) UNINA	VERY HIGH RESOLUTION OPTICAL IMAGE CLASSIFICATION USING WATERSHED SEGMENTATION AND A REGION-BASED KERNEL
	F. Santi, F. Pieralice, D. Pastina	UNIROMA1	Multistatic GNSS-Based Passive Radar for Maritime Surveillance
	D. De Vecchi (1), F. Dell'Acqua (1,2), G. Lisini (1), G.C. Iannelli (1), D.A. Galeazzo (1)	(1) TICINUM AEROSPACE; (2) UNIPV	Fusion of spaceborne Copernicus data and ground-sensor data for grape and wine quality prediction
	F. Berizzi, F. Cuccoli, E. Dalle Mese, M. Martorella, A. Monorchio	RaSS	Radar and remote sensing research activities at the CNIT-RaSS National laboratory
20:00-22:00	Social Dinner		

TUESDAY MAY 29

09:00 - 11:00	Oral Session II (Chair: Pierfrancesco Lombardo UNIROMA1)	SAR systems & sensors	
	G. Di Maria (1), A. Aubry (2), A. De Maio (2)	(1) Cranfield University; (2) UNINA	Advanced Design of Adaptive Sidelobe Blanking Architectures
	D. Dell'Aglio, G. Di Martino, A. Iodice, D. Riccio, G. Ruello	UNINA	EFFICIENT SIMULATION OF SAR RAW SIGNALS OF EXTENDED SCENES FOR ANY ACQUISITION MODE
	S. Fortunati (1,2), F. Gini (1), M. S. Greco (1), A. M. Zoubir (2)	(1) UNIPI; (2) Technische Universität Darmstadt	Semiparametric Inference in Radar Signal Processing
	P. Guccione (1), A. Recchia (2), D. Giudici(2), R. Piantanida (2), N. Franceschi (2), A. Monti Guarnieri (3)	(1) POLIBA; (2) ARESYS; (3) POLIMI	The present and future C-band RFI scenario as seen by the Sentinel-1 SAR
	N. Ustalli, D. Pastina, C. Bongioanni, P. Lombardo	UNIROMA1	Kinematic parameters estimation in Forward Scatter Radar configuration
	I. Milani, F. Colone, C. Bongioanni, P. Lombardo	UNIROMA1	Localization of Human Targets: WiFi Emission-Based vs Passive Radar Techniques
11:00-11:20	Coffee Break		
11:20-13:00	Oral Session III (Chair: Giovanni Corsini, UNIPI)	Radar data processing & interpretation	
	F. Benedetto (1), F. Tosti (2), M. A. Alani (2)	(1) UNIROMA3; (2) Univ. West London	A GPR Signal Processing Procedure for Detecting Rail Ballast Conditions by an Entropy-Based Approach
	J.-P. Robin	EU SATCEN	Assessment of the Operational Use of SENTINEL 1A/B data in support of Defence and Security mission based on the example of a suspected nuclear related facility
	L. Pallotta (1), A. De Maio (1), D. Orlando (2)	(1) UNINA; (2) UNICUSANO	A Robust Framework for Covariance Classification in Heterogeneous Polarimetric SAR Images
	L. De Laurentiis (1), L. Fasano (2), D. Latini (3), F. Del Frate (1)	(1) UNIROMA2; (2) ASI; (3) GEO-K	Auto Associative Neural Networks for SAR image processing
	C. Zoppetti, A. Garzelli	UNISI	Coastline detection from Spotlight CSK images
	S. Ghio, M. Martorella	RaSS	Space Objects Characterization using a Multi-Bistatic Radar
13:00-14:00	Lunch Buffet		
14:00-16:20	Oral Session IV (Chair: Lorenzo Bruzzone, UNITN)	SAR multi-temporal data processing	
	V. Ignatenko	ICEYE	Deep Learning for semantic segmentation of SAR images
	M. Manzoni, M. E. Molinari, A. Monti-Guarnieri	POLIMI	Detecting multiple changes by high resolution SAR Space Time CCD: present status and future perspectives
	L. Pulvirenti (1), G. Boni (1), M. Chini (2), N. Pierdicca (3)	(1) CIMA; (2) Luxembourg IST; (3) UNIROMA1	Use of Interferometric Coherence for Detecting Floods in Urban Areas: Some Examples
	D. Solarna, G. Moser, S.B. Serpico	UNIGE	A Markovian Approach to Unsupervised Change Detection with Multiresolution and Multimodality SAR Data
	A. Budillon, G. Schirinzì	UNIPARTHENOPE	SAR TOMOGRAPHY OF URBAN AREAS BASED ON SCATTERERS DETECTION ON SINGLE AND DUAL POLARIZATION SAR DATA
	H. Aghababae, G. Ferraioli, G. Schirinzì	UNIPARTHENOPE	3D reconstruction of forest structure using SAR tomography
	G. Fornaro, A. Pauciullo, D. Reale, S. Verde	CNR-IREA	SAR INTERFEROMETRIC APPROACHES APPLIED TO THE MONITORING OF CULTURAL HERITAGE ASSETS
16:20-16:40	Final Session & Awards		