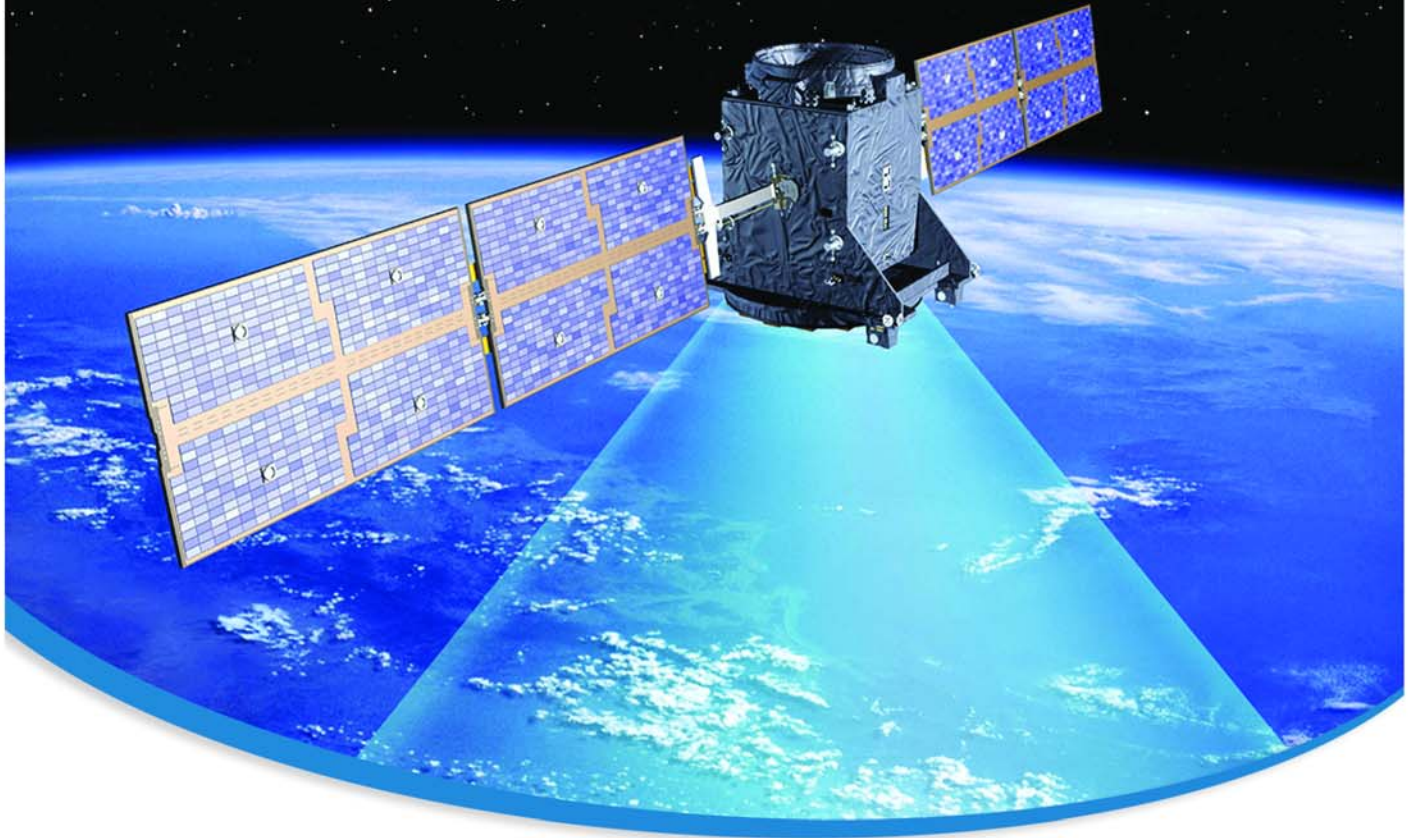


RSCy 2017

20-23 March 2017, Paphos, Cyprus



Fifth International Conference on Remote Sensing and Geoinformation of Environment

WiFi: Annabelle
Password: 241535

ORGANIZER:

- Cyprus Remote Sensing Society

IN COOPERATION WITH:

- ESA (European Space Agency)
- NASA (National Aeronautics and Space Administration)
- GEO (Group on Earth Observations)
- DLR (German Aerospace Center)
- Department of Electronic Communications of the Ministry of Transport, Communications and Works (CY)
- ETEK (Cyprus Scientific and Technical Chamber)
- Agricultural Research Institute (CY)
- Department of Meteorology (CY)
- Hellas G.I.s
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Society

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METEOROLOGY



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Pafos

   		Fifth International Conference on Remote Sensing and Geoinformation of Environment Conference Program March 20-23 2017 Annabelle Hotel - Paphos, Cyprus www.cyprusremotesensing.com/rscy2017/		   	
Day / Time	Monday 20/3/2017	Tuesday 21/3/2017	Wednesday 22/3/2017	Thursday 23/3/2017	
8:00 - 17:00	Registration	Registration	Registration	Registration	Registration
9:00- 9:40	Registration	Keynote Speaker	Keynote Speaker	Keynote Speaker	Coastal Waters, Ocean & Large Water Regions Room:Athensnaeum Ballroom
9:40 - 11:00	Opening Ceremony 9:15 - 10:30 Room:Athensnaeum Ballroom Keynote Speaker ESA Room:Athensnaeum Ballroom	Parallel Sessions Remote Sensing Room:Athensnaeum Ballroom Natural Hazards Room: Ariadne Workshop Defense and Security Geo intelligence (Closed Session) Room: Aphrodite	Parallel Sessions Cultural Heritage Room:Athensnaeum Ballroom Climate Meeting (Open Session) Room: Aphrodite	Urban Environment Room: Ariadne Climate Meeting (Closed Session) Room: Aphrodite	
11:00 - 11:30	Coffee Break - 11:50 - 12:20	Coffee Break - Poster presentations	Coffee Break - Poster presentations	Coffee Break - Poster presentations	Coffee Break - Poster presentations
11:30 - 13:00	Keynote Speakers NASA - Copernicus Room:Athensnaeum Ballroom	Parallel Sessions Remote Sensing Room:Athensnaeum Ballroom Natural Hazards Room: Ariadne Workshop Defense and Security Geo intelligence (Closed Session) Room: Aphrodite	Parallel Sessions Geology Room:Athensnaeum Ballroom Atmospheric Room: Ariadne Climate Meeting (Closed Session) Room: Aphrodite	Closing Ceremony Best paper, best poster, award Room:Athensnaeum Ballroom	
13:00 - 14:30	Lunch	Lunch	Organized Trip including lunch off-site		
14:30 - 16:00	Workshops: Athensnaeum Ballroom Remote Sensing for Cultural Heritage Beyond Europe Enjoyment of Cultural Heritage By Means of New and Old Media Agriculture Room: Ariadne	Parallel Sessions GIS Room:Athensnaeum Ballroom Forest Fires Disaster Response Room: Ariadne Workshop: Exploitation of Copernicus data at ERDAS IMAGINE Room:Aphrodite	Organized Trip Archaeological Park in Paphos, Paphos Castle and Agios Neophytos Monastery 		
16:00 - 16:30	Coffee Break - Poster presentations	Coffee Break - Poster presentations			
16:30 - 18:30	Workshops: Athensnaeum Ballroom Remote Sensing for Cultural Heritage Beyond Europe Enjoyment of Cultural Heritage By Means of New and Old Media Agriculture Room: Ariadne	Parallel Sessions GIS Room:Athensnaeum Ballroom Forests Room: Ariadne Workshop: Exploitation of Copernicus data at ERDAS IMAGINE Room:Aphrodite			
18:30 - 20:00	Free	Free	Free	Free	
20:00 - ...		Social Dinner			

Sponsors:






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Fifth International Conference on Remote Sensing and Geoinformation of Environment

Conference Program

March 20-23 2017

Annabelle Hotel - Paphos, Cyprus

www.cyprusremotesensing.com/rscy2017/



Monday 20 March 2017

08:00-17:00		REGISTRATION	
20/3	9:15 - 10:30	Opening Ceremony	ATHENAEUM BALLROOM
Welcome, Greetings and Opening Speech			
20/3	10:30-11:00	Keynote Speakers	
Jérôme Béquignon - ESA - 2017 – A Promising Year For Earth Observation			
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS	
20/3	11:30-13:00	Keynote Speakers	ATHENAEUM BALLROOM
Vincent Ambrosia, NASA - NASA Earth Science and Applications: New Perspective and Opportunities in a Changing World			
Nicolae Mitu, Copernicus - Copernicus for Cultural Heritage			
13:00-14:30		LUNCH	
WORKSHOPS - ATHENAEUM BALLROOM			
20/3	14:30-16:00	Workshops: 1.Remote Sensing for Cultural Heritage Beyond Europe 2.Enjoyment of Cultural Heritage By Means of New and Old Media	Chairs: Rosa Lasaponara (CNR-IMAA) Nicola Masini (CNR-IBAM / CAS-RADI)
Time		Title	Authors
INTRODUCTION TO THE WORKSHOPS			
	14:30-14:45	Remote sensing for a smart management of cultural heritage from site detection to monitoring and documentation: the case studies of Silk Road Project	R. Lasaponara
	14:45-15:00	Sensing beyond frontiers: remote sensing applications for archaeological heritage detection and management	A. Traviglia
	15:00-15:15	On the use of remote sensing in areas selected in Georgia , Pakistan and Jordan (Petra)	D. Spizzichino
	15:15-15:30	GIS and satellite data for urban sprawl close to archaeological areas in Iran	B. Murgante
	15:30-15:45	An Overview of remote sensing in Altai archaeological area	J. Bourgeois
	15:45-16:00	SAR applications in Egypt	C. Stewart
16:00-16:30		COFFEE BREAK - POSTER PRESENTATIONS	
20/3	16:30 - 19:00	Workshops: 1.Remote Sensing for Cultural Heritage Beyond Europe 2.Enjoyment of Cultural Heritage By Means of New and Old Media	Chairs: Rosa Lasaponara (CNR-IMAA) Nicola Masini (CNR-IBAM / CAS-RADI)
Time		Title	Authors
	16:30-16:45	The Christian reuse of the Egyptian temples and keeping methods using remote sensing and GIS techniques in Luxor city, Egypt	O. Wafa Abdel
	16:45-17:00	Remote Sensing for Indian archaeological areas	Modella et al.
	17:00-17:15	Remote sensing based archaeological research in Nasca and in Pachacamac	N. Masini
	17:15-17:30	Exploitation of big data cloud infrastructures for earth observation cultural heritage applications: mapping the land use changes patterns in the vicinity of "the great pyramid at Giza"	A. Agapiou
	17:30-17:45	Automatic damage detection for sensitive Cultural Heritage Sites in Syria and Iraq	D. Cerra, J. Tian, V. Lysandrou, S. Plank & T. Krauß
	17:45-18:00	Qualitative assessment of the medieval fortification conditions with the use of Remote Sensing data (Republic of Tatarstan)	I. Gainullin, B. Usmanov & A. Sitdikov
	18:00-18:15	The Copernicus Programme and World Cultural Heritage preservation	G. Schreier
	18:15-19:00	Round Table Discussion	
AGRICULTURE - ARIADNE ROOM			
20/3	14:30-16:00	Agriculture	Chair: A. Damalas
ID		Title	Authors
	334	A GENERIC REMOTE SENSING APPROACH FOR LARGE-SCALE LAND COVER AND LAND USE SYSTEMS MAPPING	B. Bellón, A. Bégué, D. Lo Seen, M. Simões & V. Lebourgeois
	463	LAND USE CHANGES AND THEIR IMPACT ON AGRICULTURAL LAND USE IN JAFARA REGION USING GIS AND REMOTE SENSING	A. Jarad
	387	DESIGN OF AUTONOMOUS SENSOR NODES FOR REMOTE SOIL MONITORING IN TROPICAL BANANA PLANTATION	F. Tiasas, J. Co, M.J. Macalino, M.L. Guico, J.C. Monje & C. Oppus
	393	LAND-COVER MAPPING USING LIDAR DATA AND AERIAL IMAGE AND SOIL FERTILITY DEGRADATION ASSESSMENT FOR RICE PRODUCTION AREA IN QUEZON NUEVA ECJA, PHILIPPINES	R. Alberto, G. Damian, E. Camaso & M. Isip
	378	COMPARATIVE ANALYSIS OF CLASSIFICATION MODELS FOR DETECTING FUSARIUM OXYSPORUM F. SP CUBENSE (TR4) BASED ON MULTIDIMENSIONAL SOIL SENSOR PARAMETERS	M.R. Estuar, J.N. Victorino, A. Coronel, J. Co & F. Tias
16:00-16:30		COFFEE BREAK - POSTER PRESENTATIONS	
20/3	16:30 - 18:30	Agriculture	Chair: G. Papadavid
ID		Title	Authors
	443	SENTINEL-2 IMAGE: AN EFFECTIVE TOOL FOR CROP ACREAGE ASSESSMENT AND PRODUCTION PROJECTION FOR LARGE GEOGRAPHICAL AREAS	R. Paul & B. Mohamed
	379	DEVELOPMENT OF AN ASYNCHRONOUS COMMUNICATION CHANNEL BETWEEN WIRELESS SENSOR NODES, SMARTPHONE DEVICES, AND WEB APPLICATIONS USING RESTFUL WEB SERVICES FOR INTELLIGENT FARMING	M.M. De Leon, M.R. E. Estuar, H.P. Lim, J.N.C. Victorino, J. Co, I.L. Saddi & S.M. Paelmo
	422	EXTRACTION OF INLAND NYPA FRUITCANS (NIPA PALM) USING SUPPORT VECTOR MACHINE	R. Alberto & A. Biagtan
	377	STREAMLINING MACHINE LEARNING IN MOBILE DEVICES FOR REMOTE SENSING	M.R. Estuar, A. Coronel, J. E. Torrijos, K. Garcia, B. L. dela Cruz, J. Co & H. Lim

Tuesday 21 March 2017

08:00-17:00				REGISTRATION	
21/3	9:00-9:40	Keynote Speaker		ATHENAEUM BALLROOM	
		Advanced Space Techniques for Natural Hazard Mapping and Monitoring	Dr Athanassios Ganas, Research Director, Institute of Geodynamics		
		Enceladus, the Greek Supersite in Southeast Europe	Dr. Konstantinos Nikolakopoulos, University of Patras		
9:40 - 11:00				REMOTE SENSING & GIS - ATHENAEUM BALLROOM	
21/3	9:40 - 11:00	Remote Sensing		Chair: K. Nikolakopoulos ATHENAEUM BALLROOM	
	ID	Title		Authors	
	359	GET-SENTINEL HUB: DELIVERING COPERNICUS EO DATA THROUGH OPEN SOURCE TECHNOLOGY		G. Mavrellis & G. Milcinski	
	423	RHETICUS: GEO-ANALYTICS INFORMATION BY SUBSCRIPTION BASED ON FUSION OF EARTH OBSERVATION AND INSPIRE DATA FOR MONITORING CRITICAL INFRASTRUCTURE AND THE ENVIRONMENT		S. Bollanos, Y. Spastra, I. Ioannou, V. Avgikou, C. Lamantia, V. Massimi, P. Manunta, V. De Pasquale, C. Abbattista, L. Amoroso, L. Agrimano, S. Samarelli & M. Casaburi	
	344	INVESTIGATING THE BACKSCATTER CONTRAST ANOMALY IN SYNTHETIC APERTURE RADAR (SAR) IMAGERY OF THE DUNES ALONG THE ISRAEL-EGYPT BORDER		O. Rozenstein, Z. Siegal, D. G. Blumberg & J. Adamowski	
	474	PRODUCTION OF ORTHOIMAGES USING FREELY AVAILABLE IN THE WEB SATELLITE IMAGES AND GDEM		P. Deltsidis, S. Soile & C. Ioannidis	
	373	MAPPING POTENTIAL ZONES FOR SOLAR ENERGY IN FAYOUM USING SATELLITE DATA AND SPATIAL DECISION SUPPORT MODELS		H. Effat & A. El Zeiny	
11:00-11:30				COFFEE BREAK - POSTER PRESENTATIONS	
21/3	11:30 - 13:00	Remote Sensing		Chair: C. Ioannidis ATHENAEUM BALLROOM	
	ID	Title		Authors	
	458	EVALUATING ALOS AW3D30 DATA		K.G. Nikolakopoulos	
	389	COMMERCIAL VS PROFESSIONAL UAVS FOR MAPPING		K. Nikolakopoulos & I. Koukouvelas	
	396	STUDYING THE DYNAMICS OF MOUNTAIN ECOSYSTEMS IN THE CONTEXT OF CLIMATE CHANGE EMPLOYING REMOTE SENSING DATA		V. Muradyan, G. Tepanosyan, Sh. Asmaryan & A. Saghatelyan	
	353	PHOTOGRAMMETRY AND REMOTE SENSING EDUCATION SUBJECTS		M. Lazaridou & A. Karagianni	
	426	TERRESTRIAL LASER SCANNING FOR BIOMASS ASSESSMENT AND TREE RECONSTRUCTION: IMPROVED PROCESSING EFFICIENCY		A. Alboabidallah, J. Martin, S. Lavender & V. Abbott	
	464	UBIQUITOUS UAVS: A CLOUD BASED FRAMEWORK FOR STORING, ACCESSING AND PROCESSING HUGE AMOUNT OF VIDEO FOOTAGE IN AN EFFICIENT WAY		N. Efstathiou, M. Skitsas & N. Koutras	
13:00-14:30				LUNCH	
21/3	14:30-16:00	GIS		Chair: D. Demetriou ATHENAEUM BALLROOM	
	ID	Title		Authors	
	345	DESIGN AND DEVELOPMENT OF AN ENTERPRISE GIS FOR LOCAL GOVERNMENT		M. Bualhamam	
	362	A DISCUSSION FOR INTEGRATING INSPIRE WITH VOLUNTEERED GEOGRAPHIC INFORMATION (VGI) AND THE VISION FOR A GLOBAL SPATIAL-BASED PLATFORM		D. Demetriou, M. Campagna, I. Racetin & M. Konecny	
	399	IMPLEMENTING GIS IN REAL ESTATE PRICE PREDICTION AND MASS VALUATION: THE CASE STUDY OF NICOSIA DISTRICT		C. Yiorkas & T. Dimopoulos	
	408	3D UTILITY CLASH DETECTION WITH OPEN SOURCE 3D GIS SOLUTIONS		R. Balasubramanian, A. Tiwari & K. Jain	
16:00-16:30				COFFEE BREAK - POSTER PRESENTATIONS	
21/3	16:30 - 18:30	GIS		Chair: D. Demetriou ATHENAEUM BALLROOM	
	ID	Title		Authors	
	401	INCLUDING GRANULOMETRIC SEDIMENT COASTAL DATA COMPOSITION INTO THE BLACK SEA GIS		E. Zhuk, A. Khaliulin, M. Krylenko, V. Krylenko, G. Zodiatis, M. Nikolaidis & A. Nikolaidis	
	402	ON-LINE APPLICATIONS OF NUMERICAL MODELS IN THE BLACK SEA GIS		E. Zhuk, A. Khaliulin, G. Zodiatis, M. Nikolaidis & A. Nikolaidis	
	403	PERSEUS QC: PREPARING STATISTIC DATA SETS		V. Belokopytov, A. Khaliulin, A. Ingerov, E. Zhuk, I. Gertman, G. Zodiatis, M. Nikolaidis & A. Nikolaidis	
	417	ANALYSIS OF THE TRAFFIC ACCIDENTS WITH USING GIS: COMPARING DIFFERENT YEARS FOR THE KYRENIA CITY		C. Kara & N. Akçit	
	418	CONTEXT AWARE PERSONAL NAVIGATION SYSTEMS WITH THE QUALITY OF THE CONTEXT		N. Akçit, E. Tomur & M. O. Karslıoğlu	
9:40 - 11:00				NATURAL HAZARDS, FOREST, FOREST FIRES AND DISASTER RESPONSE - ARIADNE ROOM	
21/3	9:40 - 11:00	Natural Hazards		Chair: V. Ambrosia ARIADNE ROOM	
	ID	Title		Authors	
	338	MONITORING LAND COLLAPSE HAZARD USING REMOTELY SENSED DATA AND GIS IN MOKATTAM AREA, EGYPT		M. Hegazy	
	384	GROUND SUBSIDENCE PHENOMENA IN FARKADONA, WEST THESSALY, GREECE		P. Tsangaratos, C. Loupasakis & I. Iliá	
	381	TIR TIME SERIES SATELLITE AND FIELD DATA FOR SEISMIC ANOMALIES MONITORING		M. Zoran, R. Savastru & D. Savastru	
	428	USING REMOTE SENSING TO PREDICT EARTHQUAKE IMPACTS		A. Fylaktos & A. Yfantidou	
11:00-11:30				COFFEE BREAK - POSTER PRESENTATIONS	
21/3	11:30 - 13:00	Natural Hazards		Chair: V. Ambrosia ARIADNE ROOM	
	ID	Title		Authors	
	337	EXPOSURE AND VULNERABILITY ASSESSMENT OF BUILDINGS EXTRACTED FROM LIDAR DERIVED DATASETS IN THE FLOODPLAIN OF BUCAO RIVER BASIN, ZAMBALES, PHILIPPINES		A.M. Paz-Alberto, G. Ramos, J.A. Espiritu, K. Mapanao & R. Lao	
	470	EXTRACTION OF FLOODED AREAS BY FUSING MULTI-MODAL DATA		D. Bliziotis, C. Manesis, E. Maltezos & V. Charalampopoulou	
	335	HYDROLOGIC MODELING OF GUINALE RIVER BASIN USING HEC-HMS AND SYNTHETIC APERTURE RADAR		F. Bien & J. Plopenio	
	383	GPM IMERG GLOBAL GRIDDED PRODUCT		E. Stocker, G. Huffman, D. Kirschbaum & O. Kelley	
	394	DETECTION AND ASSESSMENT OF FLOOD SUSCEPTIBLE IRRIGATION NETWORKS IN LICAB, NUEVA ECUIA, PHILIPPINES USING LIDAR DTM		R. Alberto & P. Hernando	
	449	EXTRACTION OF HYDROLOGIC DATASET USING LIDAR DTM FOR WATERSHEDS IN ILOCOS NORTE, PHILIPPINES		C.P. Bumangla, N.R. Alibuyog, J.L. Butay, R.J.S. Ines, W.D. G. Valdez, R. Utrera & F. Pastor	
13:00-14:30				LUNCH	
21/3	14:30-16:00	Forest and Forest Fires - Disaster Response		Chair: A. Damalas ARIADNE ROOM	
	ID	Title		Authors	
	409	MID-TERM FIRE DANGER INDEX BASED ON SATELLITE IMAGERY AND ANCILLARY GEOGRAPHIC DATA		A. Stefanidou, M. Tompoulidou, L. Stepanidou, D. Grigoriadis, T. Katagis, D. Stavrakoudis & I. Gitas	
	354	REMOTE SENSING TECHNIQUES IN MONITORING AREAS AFFECTED BY FOREST FIRE		A. Karagianni & M. Lazaridou	

	391	NON-SUPERVISED METHOD FOR EARLY FOREST FIRE DETECTION AND RAPID MAPPING	T. Artés Vivancos, R. Boca, G. Liberta' & J. San-Miguel
	459	IMPRESS: MEDICAL LOCATION-AWARE DECISION MAKING DURING EMERGENCIES	I. Gkotsis, G.Eftychidis, G.Leventakis, M.Mountzouris, D. Diagourtas, A. Kostaridis, R.Hedel, A.Olunczek & S.Hahmann
	446	VHR SATELLITE IMAGERY FOR HUMANITARIAN CRISIS MANAGEMENT	G. Bitelli, M. Eleias, F. Franci & E. Mandanici
	462	GEOINFORMATICS IN DISASTER'S EVALUATION, THE CASE STUDY OF TAP IN KASTORIA	D.-A. Ntivanis & P. Liosatou
16:00-16:30		COFFEE BREAK - POSTER PRESENTATIONS	
21/3	16:30 - 18:30	Forest and Forest Fires	Chair: I. Gitas
		ARIADNE ROOM	
	ID	Title	Authors
	388	DETECTION OF DEAD STANDING EUCALYPTUS FOR MANAGING BIODIVERSITY USING FULL-WAVEFORM LIDAR DATA	M. Miltiadou, N. D.F. Campbell, S. Gonzalez Aracil, M. Brown, T. Brown, D. Cosker & M.Grant
	441	MODELING FOREST STRUCTURAL DIVERSITY MEASURES USING AIRBORNE LASER SCANNING AND HYPERSPECTRAL DATA	K. Kandare, M. Dalponte, H.O. Ørka & D. Gianelle
	452	TRACKING DISTURBANCE AND REGROWTH DYNAMICS IN EUCALYPTUS FOREST USING A SIMPLE STRUCTURAL CHANGE DETECTION APPROACH WITH LANDSAT TIME SERIES DATA	A. Haywood
	455	EVALUATING HORIZONTAL POSITIONAL ACCURACY OF LOW-COST UAV ORTHOMOSAICS OVER FOREST TERRAIN USING GROUND CONTROL POINTS EXTRACTED FROM DIFFERENT SOURCES	P. Patias, F. Giagkas, C. Georgiadis, G. Mallinis, V. Tsioukas & D. Kaimaris
	445	ANALYSIS OF THE URBAN GREEN AREAS OF NICOSIA. THE CASE STUDY OF LINEAR PARK OF PEDIAIOS RIVER	P. Zanos & J. Georgi
	355	AIRBORNE MULTISPECTRAL LIDAR FOR FOREST UNDERSTORY MAPPING	A. Cottin, S. Fleming, I.H. Woodhouse & S. Snape
	356	A FIXED-WING UAV MULTI-SENSOR PLATFORM FOR IMPROVED FOREST INVENTORY	A. Cottin, S. Fleming, I. H. Woodhouse, M. Pfennigbauer, P. Slater & S. Snape
WORKSHOP FOR DEFENCE AND SECURITY APPLICATIONS & EXPLOITATION OF COPERNICUS DATA AT ERDAS IMAGINE -APHRODITE ROOM			
21/3	10:00 - 13:00	Workshop for Defence and Security Applications	Chair: B. Charalampopoulou
		APHRODITE ROOM	
Closed Session			
	ID	Title	Authors
		INTRODUCTION	D. Hadjimitsis
		WELCOME	K. Themistocleous
		ORTHOIMAGES - DTM/DSM USE AND OPERATIONS	E. Anagnostou
	357	USING FIELD SPECTROSCOPY WITH SYNTHETIC APERTURE RADAR (SAR) TECHNIQUE FOR DETECTING UNDERGROUND MILITARY STRUCTURES IN CYPRUS	G. Melillos, K. Themistocleous, G. Papadavid, A. Agapiou, D. Kouhartsiouk, S. Michaelides & D.G. Hadjimitsis
	432	THE USE OF UAS IN DISASTER RESPONSE OPERATIONS	I. Gkotsis, G.Eftychidis & P.Kolios
		COLLECTING AND USING VESSEL'S DATA FROM ON BOARD EQUIPMENT	Y. Filippopoulos
	456	REMOTE SENSING AND GEO-INFO MATION ON CYBERDEFENCE	D. Kalogeras & G. Mitsopoulos
13:00-14:30		LUNCH	
21/3	14:30-17:00	Workshop: Exploitation of Copernicus data at ERDAS IMAGINE	Moderator : E. Maltezos, GEOSYSTEMS
		APHRODITE ROOM	
Topics			
		SAR images	
		1. Copernicus Data selection	
		2. SAR image processing at magnitude layer	
		3. DSM extraction via Interferometry at phase layer	
		4. Coherent Change Detection via Interferometry (phase layer)	
		5. Detection of ground deformation via Differential Interferometry (phase layer)	
		EO Images	
		6. Classification and Change detection using Sentinel 2 imagery	
20:00 - 24:00		Social Dinner	

Wednesday 22 March, 2017

08:00-17:00		REGISTRATION	
22/3	9:00-9:40	Keynote Speaker	ATHENAEUM BALLROOM
		Leica Geosystems Airborne Sensor Portfolio	F. Puls, Leica Geosystems AG - Geospatial Solutions Division (GSD)
CULTURAL HERITAGE & GEOLOGY - ATHENAEUM BALLROOM			
22/3	9:40-11:00	Cultural Heritage	Chair: C. Ioannidis ATHENAEUM BALLROOM
	ID	Title	Authors
	371	GEPTAR: A GEOTECHNICAL BASED PS-INSAR TOOLBOX FOR ARCHITECTURAL CONSERVATION IN BELGIUM	L. Bejarano-Urrego, V. Els, J. Walstra, P. Y. Declercq, M. Shimoni, J. Lopez, D. Derauw, R. Hayen & K. Van Balen
	347	ENDANGERMENT OF CULTURAL HERITAGE SITES BY STRONG RAIN	T. Krauß & P. Fischer
	473	THE VALUE OF ARCHIVE PHOTOS FOR THE CREATION OF ACCURATE 3D MODELS OF CULTURAL HERITAGE OBJECTS	C. Ioannidis, P. Nikolakakou & S. Soile
	369	CLIMA: A PLATFORM FOR RISK ASSESSMENT IN CULTURAL HERITAGE	A. di Iorio, M. C. Salvi, S. de Angeli, A. Agapiou, B. Cuca, M. Tsouvaras, C. Wilson & M. Rudbeck Jepsen
	444	MANAGEMENT AND PROTECTION OF 'SPACE' IN HISTORIC CITIES COMBINING DIGITAL HERITAGE DOCUMENTATION, AERIAL PHOTOS AND SATELLITE IMAGES	P. Chatzigrigoriou
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS	
22/3	11:30 - 13:00	Geology	Chair: E. Ben Dor ATHENAEUM BALLROOM
	ID	Title	Authors
	424	RECENT ADVANCES IN 3D HYPERSPECTRAL OUTCROP MINERAL AND ELEMENT MAPPING	C. Rogass, M. Brell, C. Mielke, N. Boesche, F. Koerting, M. Bade, C. Lubitz, U. Altenberger, M. Schodlok & M. Frei
	465	TRACING DYNAMICS OF RELATIVE VOLUMETRIC SOIL MOISTURE CONTENT USING SAR DATA	D. Avetisyan, E. Velizarova & R. Nedkov
	434	NEW APPROACH FOR MINERAL MAPPING USING VISIBLE TO NEAR INFRARED, SHORTWAVE AND LONGWAVE INFRARED DATA	V. Kopackova & L. Koucka
	414	ASSESSING AND PREDICTING HEAVY METAL POLLUTION OF URBAN SOILS AND TREE CANOPY USING FIELD SPECTROPHOTOMETRY	V. Muradyan, G. Tepanosyan, Sh. Asmaryan, L. Sahakyan, A. Saghatelian & T.A. Warner
	425	SOIL SPECTRAL MEASUREMENTS IN THE FIELD: PROBLEMS AND SOLUTIONS IN LIGHT OF THE GEO-CRADEL PROJECT	E. Ben Dor, A. Granot & G. Nottesco
ATMOSPHERIC - ARIADNE ROOM			
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS	
22/3	11:30 - 13:00	Atmospheric	Chair: A. Papayannis ARIADNE ROOM
	ID	Title	Authors
	368	FIRST RESULTS FROM THE CYPRUS CLOUDS, AEROSOLS AND PRECIPITATION EXPERIMENT (CYCARE)	J. Bühl, R. Mamouri, A. Nisantzi, P. Seifert, R. Engelmann, A. Ansmann, B. Weinzierl & J. Sciare
	375	LONG-TERM DETECTION OF DESERT DUST AEROSOLS OVER ATHENS, GREECE, USING A MULTI-WAVELENGTH RAMAN DEPOLARIZATION LIDAR	A. Papayannis, O. Soupiana, M. Mylonaki, P. Kokkalis, G. Tsaknakis & S. Solomos
	454	EVALUATION AND INTERCOMPARISON OF GPM-IMERG AND TRMM-3B42 DAILY PRECIPITATION PRODUCTS OVER GREECE	A.P. Kazamias, M. Sapountzis & K. Lagouvardos
	442	LONG-TERM MONITORING OF AEROSOLS AND CLOUD PROPERTIES USING UNMANNED AERIAL VEHICLES (UAVS)	C. Keleshis, K. Neitola, M. Pikridas, M. Argyrides, P. Vouterakos, P. Antoniou, A. Apostolou, C. Savvides, M. Vrekoussis, N. Mihalopoulos, G. Biskos, R.-S. Gao, D. Murphy, J. Schrod, D. Weber, H. Bingemer, G. Mocnik & J. Sciare
CLIMA MEETING - APHRODITE ROOM			
22/3	9:40 - 13:00	CLIMA MEETING - CLOSED SESSION	APHRODITE ROOM
13:00 - 18:30		ORGANIZED TRIP WITH LUNCH - Archaeological Park in Paphos	

Thursday, 23 March, 2017

08:00-17:00		REGISTRATION	
URBAN ENVIRONMENT - ATHENAEUM BALLROOM			
23/3	9:00-11:00	Urban Environment	Chair: M. Zoran ATHENAEUM BALLROOM
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	451	UNMANNED AERIAL VEHICLE (UAV) APPLICATION TO THE STRUCTURAL HEALTH MONITORING OF LARGE CIVIL ENGINEERING STRUCTURES	C.A. Castiglioni, A.S. Rabuffetti, G.P. Chiarelli, G. Brambilla & J. Georgi
	350	GEOSPATIAL DATA AND GEOINFORMATICS TECHNOLOGIES SUPPORTING SMART CITY STRATEGIES – THE SENECA PROJECT	E. Nocerino, I. Toschi, F. Remondino, A. Revolti, G. Soria & S. Piffer
	363	REFLECTANCE AND THERMAL PROPERTIES OF THE URBAN FABRIC STUDIED WITH AERIAL SPECTRAL IMAGING	I. Burud, T. Thiis & N. Gaitani
	382	GEOSPATIAL DATA FOR ASSESSMENT OF EXTREME CLIMATE IMPACTS ON URBAN ENVIRONMENT	D. Savastru, M. Zoran & R. Savastru
	419	NUMERICAL INVESTIGATION OF THE DEVIATION BETWEEN DECLARED AND ACCEPTED PRICES OF A MASS APPRAISAL MODEL FOR CYPRUS	T. Dimopoulos, N. Bakas & D. G. Hadjimitsis
COASTAL WATERS, OCEANS AND LARGE WATER BODIES - ARIADNE ROOM			
23/3	9:00-11:00	Coastal Waters, Oceans and Large Water Bodies	Chair: K. Topouzelis ARIADNE ROOM
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	376	COASTAL HABITAT MAPPING IN THE AEGEAN SEA USING HIGH RESOLUTION ORTHOPHOTOS	K. Topouzelis, A. Papakonstantinou, M. Doukari, P. Stamatias, D. Makri & S. Katsanevakis
	405	UAS CLOSE RANGE REMOTE SENSING FOR MAPPING COASTAL ENVIRONMENTS	A. Papakonstantinou, K. Topouzelis & M. Doukari
	358	OPERATIONAL USE OF OPEN SATELLITE DATA FOR MARINE WATER QUALITY MONITORING	P. Symeonidis & T. Vakkas
	361	BUILDING A DIGITAL ELEVATION MODEL OF BOTTOM ACCORDING ECHOSOUNDING	E. Fedorova
	433	ESTIMATION OF THE PARTICLE SIZE DISTRIBUTION SLOPE Ξ WITH 3 METHODS: IMPLICATIONS FOR THE OPTICAL BACKSCATTERING RATIO AND THE BULK REFRACTIVE INDEX	A. Karageorgis, P. Drakopoulos, S. Chaikalis & S. Psarra
	340	REMOTE SENSING IN DETECTION OF PHYSICAL CHANGES IN TALISAY RIVER, BATAAN, PHILIPPINES	A.M. Paz-Alberto, E.P. Bulaong, R.B. Lao, N.C. Salvador & E.V. Raneses
	348	ASSESSMENT OF THE VULNERABILITY TO EROSION FOR THE ARCTIC COAST	W. Sulisz, L. Suszka, D. Veic, C. Wolff, M. Paprota & D. Majewski
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS	
11:30 - 13:00		Closing Ceremony	

POSTER PRESENTATIONS

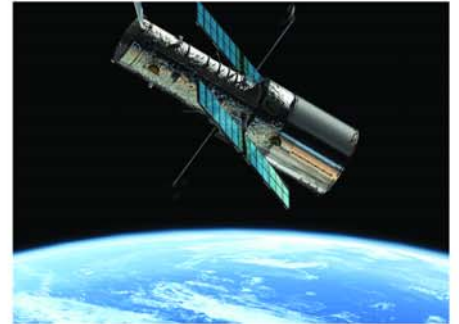
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430	DEVELOPMENT OF WEB-BASED GIS SERVICES FOR SUSTAINABLE SOIL RESOURCE MANAGEMENT AT FARM LEVEL	A. Papadopoulos, C. Kolovos , Y. Troyanos & M. Doula	Agriculture
392	PREDICTING SOIL PROPERTIES FOR SUSTAINABLE AGRICULTURE USING VIS-NIR SPECTROSCOPY - A CASE STUDY IN NORTHERN GREECE	N. Tsakiridis, N. Tziolas, A. Dimitrakos, G. Galanis, E. Ntonou, A. Tsirika, E. Terzopoulou, E. Kalopesa	
450	MEASURING THE ENVIRONMENTAL AWARENESS OF YOUNG FARMERS	G. Kountios, A. Ragkos & G. Padadaid	
415	ANALYSIS OF JOSS-WALDVOGEL DISDRUMETER MEASUREMENTS IN RAINFALL EVENTS	E. Feloni, K. Kotsifakis, N. Dervos, G. Giavis & E. Baltas	Atmospheric
457	EVALUATING EFFECTS OF SOIL EROSION BY WATER ON CULTURAL HERITAGE SITES: CASE STUDY OF PAPHOS DISTRICT	B. Cuca, A. Agapiou, M. Tzouvaras, V. Lysandrou, K. Themistocleous, A. Nisantzi, E. Evagorou & D. G. Hadjimitsis	Cultural heritage
476	THE USE OF UAVS TO MONITOR ARCHEOLOGICAL SITES: THE CASE STUDY OF CHOIROKOITIA WITHIN THE PROTHEGO PROJECT	K. Themistocleous	
466	INTEGRATION OF MULTISPECTRAL AND SAR DATA FOR MONITORING FOREST ECOSYSTEMS RECOVERY AFTER FIRE	N. Stankova , R. Nedkov, I. Ivanova & D. Avetisyan	Forest
385	THE ANOMALIES INFORMATION EXTRACTION OF MINERALIZATION ALTERATION IN TAXKORGAN	B. Yang & J-S. Wang	Geology
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380	LAND SUBSIDENCE SUSCEPTIBILITY AND HAZARD MAPPING. THE CASE OF AMYNTAIO BASIN, GREECE	P. Tzampoglou & C. Loupasakis	
336	USE OF REMOTE SENSING DATA FOR SPATIOTEMPORAL ANALYSIS OF LAND USE CHANGES IN THE EASTERN AURÈS (ALGERIA)	H. Benmessaoud & A. Bouzekri	Remote Sensing
	CONCEPTS AND ALGORITHMS TO TRANSFORM BIODIVERSITY DATA INTO PROFITABLE RESULTS: THE PROJECT "MARINE BI MATTERS"	D. Kalogeras & P. Liosatou	
410	INTRODUCTION OF REMOTELY SENSED DATA IN MOUNTAIN AREAS DURING MILITARY LAND OPERATION	V. Muradyan	
416	ASTER IMAGERY FOR VEGETATION CHANGE MAPPING IN SELECTED AREAS IN GREECE	E. Feloni, K. Kotsifakis & E. Baltas	
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471	SATELLITE DATA BASED APPROACH FOR THE ESTIMATION OF ANTHROPOGENIC HEAT FLUX OVER URBAN AREAS	T. Nitis, G. Tsegas, N. Moussiopoulos, D. Gounaridis & D. Bliziotis	
477	10 YEARS RESEARCH ACTIVITIES IN EARTH OBSERVATION AT THE CYPRUS UNIVERSITY OF TECHNOLOGY	D.G. Hadjimitsis, A. Agapiou, K. Themistocleous, G. Papadaid, R. Mammouri, A. Nisantzi, C. Papoutsas, M. Tzouvaras, D. Kouhartsiouk, C. Mettas & S. Michaelides	
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437	ANALYSIS OF EURO MEDITERRANEAN URBAN PLANNING CHALLENGES: A "SMART CITY" APPROACH	M. Alverti , D. Hadjimitsis, K. Themistocleous & P. Kyriakidis	Urban Environment
475	ASSESSMENT OF MODERN SMARTPHONE SENSORS PERFORMANCE ON VEHICLE LOCALIZATION IN URBAN ENVIRONMENTS	T. Lazarou & C. Danezis	

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