

RSCy 2013

8 -10 April 2013, Pafos, Cyprus



First International Conference



on Remote Sensing and
Geoinformation of Environment

Conference schedule

ORGANIZED BY:

- Cyprus University of Technology
- Cyprus Remote Sensing Society

CO - ORGANIZED BY:

- European Space Agency
- Department of Electronic Communications
Ministry of Communications and Works
- Cyprus Scientific & Technical Chamber (ETEK)
- Cyprus Meteorological Service
- Frederick University

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- ESA (European Space Agency)

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- Cyprus Association of Rural and Surveying Engineers



First International Conference on Remote Sensing and Geoinformation of Environment


Conference Program

April 8 - 10, 2013

Coral Beach Hotel and Resort - Paphos, Cyprus

www.cyprusremotesensing.com/rscy2013/



Day Time	Monday	Tuesday	Wednesday
8:00 - 17:00	Registration	Registration	Registration
9:00 - 9:30	Opening Ceremony Room: Akamas A	Parallel Sessions	Morning Session
9:30 - 11:00	Keynote Speakers: Room: Akamas A	Remote Sensing and Vegetation Room: Akamas A Chair: V. Karathanasi	Military / Security Room: Akamas A 10:00 - 12:00
		Natural Hazards Floods Seismic Room: Akamas B Chair: A. Savvaiddis	
11:00 - 11:30	Coffee Break - Poster presentations	Coffee Break - Poster presentations	
	Parallel Sessions	Parallel Sessions	
11:30 - 13:30	Research opportunities - Remote sensing in education Room: Akamas A Chair: G. Papadavid	Remote Sensing and Vegetation Room: Akamas B Chair: D. Alexakis	Spectroscopy - Urban Remote Sensing - Mapping Room Akamas C Chair: N. Chrysoulakis
		Topography - GPS - Photogrammetry Room: Akamas A Chair: D. Skarlatos	Lidar - Atmospheric Room: Akamas B Chair: A. Ansmann
			Workshop ERDAS Room Akamas C
13:30 - 14:30	Lunch	Lunch	Lunch provided by the IKAROS Project
	Parallel Sessions	Parallel Sessions	
14:30 - 16:30	Remote Sensing and GIS Room: Akamas A Chair: G. Zalides	Atmospheric Room: Akamas B Chair: A. Ansmann	Archaeology - Cultural Heritage Room Akamas C Chair: A. Sarris
		Remote Sensing and Land use Room: Akamas A Chair: B. Cuca	Atmospheric Room: Akamas B Chair: A. Ansmann
			Workshop Ground Penetrating Radar and UAV The IKAROS Project Room Akamas C
16:30 - 17:00	Coffee Break - Poster presentations	Coffee Break - Poster presentations	Coffee - Copter Demonstration (IKAROS Project)
17:00 - 18:00	Parallel Sessions	Parallel Sessions	End of Conference and Presentations
18:00 - 19:00	Climate Change - Meteorology Room: Akamas A Chair: E. Akylas	Water Sciences Room: Akamas B Chair: E. Spyarakos	Human, Physical and Built Environment Room Akamas C Chair: A. Georgopoulos
		Water Sciences Room: Akamas A Chair: P. Philimis	Forest - Fires Room: Akamas B Chair: N. Koutsias
			Remote Sensing and Water Bodies Room: Akamas A Chair: D. Alexakis
19:00 - 20:00	Free	Free	 Cyprus Remote Sensing Society
20:00 - ...		Social Dinner Best Paper Award, Best Poster Award	



Monday 8 April 2013 Schedule



9:00 - 9:30		Opening Ceremony	Room: Akamas A
	Welcome - Dr. Kyriacos Themistocleous, Cyprus Remote Sensing Society		
	Greeting and Introduction - Dr. Diofantos Hadjimitsis, Chairman of the RSCy2013 conference		
	Greeting - Dr. Andreas Anayiotos, Vice Rector for Economic Planning and Development of the Cyprus University of Technology		
	Greeting - Mr. Stelios Achiotis, President - ETEK-Cyprus Scientific and Technical Chamber		
	Greeting - Mr. Savvas Vergas, Mayor of Paphos Municipality		
	Opening Speech - Mr. Tasos Mitsopoulos, Minister of Communication and Works, Government of Cyprus		
9:30-11:00		Keynote Speakers	Room: Akamas A
	J. Béquignon (European Space Agency)	<i>ESA EO programmes</i>	
	C. Kassianides (Hellas Sat)	<i>The use of Telecommunication satellites for environmental protection/monitoring</i>	
	I. Manakos (CERTH, EARSeL)	<i>From Space To Species: The BIO_SOS European Initiative for Habitat Monitoring</i>	
	A. Ansmann (Leibniz Institute for Tropospheric Research)	<i>LIDAR profiling of aerosol optical and microphysical properties from space: Overview, review, and outlook</i>	
	G. Zalides (Balkan Environment Center)	<i>EU Water Directives- the example of the Nestor river basin</i>	
11:00-11:30		Coffee Break - Poster Presentations	
	Research opportunities - remote sensing in education		Room: Akamas A
11:30-13:30	Remote Sensing and Vegetation		Room: Akamas B
	Spectroscopy - Urban remote sensing		Room: Akamas C
13:30 - 14:30		Lunch	
	Remote Sensing and GIS		Room: Akamas A
14:30-16:30	Atmospheric		Room: Akamas B
	Archaeology-Cultural Heritage		Room: Akamas C
16:30-17:00		Coffee Break - Poster Presentations	
	Climate Change - Meteorology		Room: Akamas A
17:00-19:00	Water Sciences		Room: Akamas B
	Human, Physical and Built Environment		Room: Akamas C



Oral paper presentations Monday 8 April 2013

Final Schedule



11:30-13:30 Research opportunities - Remote sensing in education Room: Akamas A

ID	Title	Authors
Keynote	2013 Marie Curie 1xF and CIG calls	P. Papazoglou (Cypriot People NCP)
Keynote	EUREKA and EUROSTARS Programmes for Industrial Research	M. Portokalides (Cyprus Research Promotion Foundation)
136-124	Development Of An Educational E-Material On Remote Sensing Environmental Applications: A Case Study For Schools	Th. Nikitopoulou and A. Retalis
141-131	digital-earth.eu – A European network for Digital Earth education	K. Donert

11:30-13:30 Remote sensing and Vegetation Room: Akamas B

ID	Title	Authors
87-80	Modelling LAIBased On Landcover And NDVI Using Spot And Landsat Data In Two Mediterranean Sites	C. Topaloglou, S. Monachou, S. Strati, T. Alexandridis, D. Stavridou, N. Silleos, and N. Misopolinos
174-145	The utilization of satellite imagery for vegetation studies & the comparison of various vegetative indexes	S. Parang; H. Shahrokhi Shahrakiand A. Jalilzadeh Shadlouei
78-74	Potential Of Remote Sensing Techniques To Improve The Agriculture Water Footprint Assessment And The Virtual Water Trade Accounting	L. Toullos, M. Romaguera, E. Calleja, G. Stancalie, A. Nertan, P. Struzik, A. Dalla Marta, A. Maria Tarquis Alfonso, Z. Dunkel, J. Rato
145-135	Use of satellite derived vegetation indices for the detection of water pipeline leakages in semiarid areas	A. Agapiou, L. Toullos, K. Themistocleous, S. Perdikou, D. D. Alexakis, A. Sarris, G. Toullos, E. Foinikaridou, A. Manolis, D. Hadjimitsis
64-60	A Spatial Downscaling Procedure Of MODIS Derived Actual Evapotranspiration Using Landsat Images At Central Greece	M. Spiliotopoulos, N. Adaktylou, A. Loukas, H. Michalopoulou, N. Mylopoulos

11:30-13:30 Spectroscopy - Urban remote sensing-Mapping Room: Akamas C

ID	Title	Authors
144-134	Geo-Spatially Enabled Database and Web GIS Management System for Piraeus Port Authority S.A	G. Soulis and Z. Xagoraris
156-130	The role of Earth Observation in sustainable urban planning and management: the GEOURBAN approach	N. Chrysoulakis, T. Esch, E. Parlow, S.H. Düzgünd, A. Tal, A. Sazova, C. Feigenwinter, D. Triantakostas, M. Marconcini and M. Kavour
68-65	3D Mapping From High Resolution Satellite Images	D. Goulas , A. Georgopoulos, A. Sarakenos, Ch. Paraschou
162-133	End-to-End Remote Sensing and Image Analysis Solutions and Methods for Cadaster Update	W. Krebs

14:30 - 16:30		Remote Sensing and GIS	Room: Akamas A
ID	Title	Authors	
42-45	The Hexagon Advantage: The Dynamic Gis – Introducing The Erdas Imagine Spatial	O. Zimmermann	
63-59	Intergraph Video & Images Exploitation Capabilities	S. Colla and Ch. Manesis	
12-15	Development Of An Integrated Application Portal For Environmental Spatial Information Dissemination In The Nestos River Basin	G. Zalides, L. Misopolinos, N. Karapetsas, C. Skoulikaris and C. Manesis	
116-109	The Use Of Photogrammetry And GIS In The Survey Of Natural Areas Of Special Protection (Case Study Of Aesthetic Forest Kouri Almyrou Magnisias)	V. C. Drosos, S. Fidani and Ch. Manesis	
43-45	Harnessing The Rich Data Content Of Point Clouds	O. Zimmermann	
14:30 - 16:30		Atmospheric	Room: Akamas B
ID	Title	Authors	
33-34	Economical Crisis Detected From Space: Trends In Air Quality Of Athens In Greece	M. Vrekoussis, N. Mihalopoulos, J. Lelieveld, L. Barrie, A. Richter, A. Hilboll, J.P. Burrows, C. Zerefos and E. Gerasopoulos	
57-55	Smoke Plume Characteristics Over Greece Using Space-Based Multiangle Imaging	F. I. Sofiou, V. Amiridis, and N. Mihalopoulos	
115-108	One Year Of Lidar Observations Of Free-Tropospheric Aerosols Layers Over South Africa: The Geometrical And Optical Properties	E. Giannakaki, A. Hoffmann, K. Korhonen, T. Mielonen, L. Laakso, V. Vakkari, P. Beukes, P. Van Zyl, K. Pienaar, P. Titta, K. Chiloane, H. Baars, R. Engelmann, D. Althausen, K.E.J. Lehtinen, V. Amiridis and M. Komppula	
94-86	Evolution Of Ozone Depletion On Antarctica And Sub-Antarctic Regions (1979-2012)	S. B. Diaz, A. A. Paladini, G. A. Deferrari and J. Vrsalovic	
14:30-16:30		Archaeology-Cultural Heritage	Room: Akamas C
ID	Title	Authors	
88-81	Cultural Heritage And VHR Satellite Data	M. Lazaridou	
108-100	Geo-Portals: Remote Sensing&Cartographic Heritage For A More Sustainable Governance Of Territory And Historic Landscape Preservation	B. Cuca , D. Oreni and R. Brumana	
10-13	Geophysical Approaches Applied In The Ancient Theatre Of Demetriada, Volos	A. Sarris, N. Papadopoulos, S. Déderix, M. Cr. Salvi	
79-75	GIS And Archaeology/Cultural Heritage: Predictive Models	N. Masini , M.Danese , R. Lasaponara	
143-133	4D Reconstruction of the Past	T. Doulamis, N. Doulamis, M. Ioannides, G. Weinlinger, K. Makantasis, E. Protopapadakis, P. Santos, M. Julien, M. Peter	
80-75	Investigating Roman And Etruscan Landscape Using Aerial Laser Scanning, Historical	R. Lasaponara and N. Masini (presenter: M. Danese)	
146-135	Mapping air pollution using Earth Observation techniques for cultural heritage	A. Agapiou, A. Nisantzi, R. Mammouri, V. Lysandrou, K. Themstocleous, D. Alexakis, A. Sarris and D.G.Hadjimitsis	

17:00 19:00		Climate Change/ Meteorology	Room: Akamas A
ID	Title	Authors	
44-46	Aerosol Optical Properties And Their Impact On Climate Change Processes	T. Zielinski, T. Petelski, A. Strzalkowska, P. Makuch, P. Pakszys, P. Markuszewski, J. Piskożub, V. Drozdowska, D. Gutowska, A. Rozwadowska	
104-96	Applying A Dineof Algorithm On Cloudy Sea-Surface Temperature Satellite Data Over The Eastern Mediterranean Sea	A. Nikolaidis, G. Georgiou, D. Hadjimitsis and E. Akylas	
35-36	On The Use Of The Cm-Saf Cloud-Data In The Czech Republic	M.Zak ,P. Sacha and P. Pisoft	
132-122	Climate Impacts On Natural And Agricultural Ecosystems Using Remote Sensing And Regional Models	M.Kafatos (presenter: H. El-Askary)	
106-98	Climate Change Impacts On Sea Surface Temperature In The Eastern Mediterranean, Levantine Basin	Y. Samuel-Rhoads, G. Zodiatis, A. Nikolaidies, D. Hayes, G. Georgiou, G. Konnaris, and M. Nicolaides	
17:00 - 19:00		Water Sciences	Room: Akamas B
ID	Title	Authors	
138-128	Remote Sensing Of Harmful Algal Events In Optically Complex Waters Using Regionally Specific Neural Network-Based Algorithms For Meris Data	L. González Vilas, M. Castro Fernández, E. Spyarakos and J. Torres Palenzuela	
86-80	Monitoring Water Quality Parameters In The Marine Area Of Danube Delta Using Satellite Remote Sensing	T. Alexandridis, B. Aleksandrov, S. Monachou, C. Kalogeropoulos, S. Strati, L. Vorobyova, Y. Bogatova, V. Grigoriadis, G. Vergos, and Ch. Topaloglou	
160-131	Analysis of spectral signatures of inland and coastal water bodies	C. Papoutsas, E. Akylas, D. Hadjimitsis	
36-38	Retrieval Of Chlorophyll-A Concentrations And Turbidity Values In Evros River, Greece, From Landsat Tm Imagery	V. Markogianni, E. Dimitriou, M. Tzortziou	
17:00 - 19:00		Human, Physical and Built Environment	Room: Akamas C
ID	Title	Authors	
128-119	Electrical And Electromagnetic Geophysical Methods As Non-Destructive Methods To Geotechnical And Environmental Issues	G. Vargemezis, P. Tsourlos, P. Sotiropoulos and S. Maroulakis	
62-58	Classification Of Topography Using Dem Data And Its Correlation With The Geology Of Greece	E. Zargli, S. Liodakis, Ph. Kyriakidis, and A. Savvaidis	
103-96	An Integrated Method For Wind Power Estimation: Application For Coastal Areas In Cyprus	I. Kastanas, A. Georgiou, P. Zavros, S. Pashiardes and E. Akylas	
1-1	SRTM-Based Geomorphometrics For Detecting Neotectonic Deformation: A Cost-Effective Alternative To Insar In Vegetated Regions?	N. Argyriou and R. Teeuwa	



Oral paper presentations - Tuesday 9 April 2013

Final Schedule



9:00-11:00 Remote Sensing and Vegetation Room: Akamas A

ID	Title	Authors
111-103	Multiscale Analysis Of Satellite-Derived Vegetation Parameters For Biogenic Voc Emission Modelling	C. Silveira and O. Tchepel
120-112	Sensitivity Of Vegetation Indices To Different Burn And Vegetation Ratios Using Landsat-5 Satellite Data	M. Pleniou and N. Koutsias
164-135	A centralised remote data collection system using automated traps for managing and controlling the population of the Mediterranean (Ceratitis Capitata) & Olive (Dacus oleae) fruit flies	P. Philimis, E. Psimolophitis, S. Hadjiyiannis, A. Giusti, J. Perello, A. Serrat, P. Avila
110-102	Remote Sensing As A Tool For Monitoring Plant Invasions: Effects Of Data Resolution And Image Classification Approach	J.Müllerová, J.Pergl and P. Pyšek
142-132	A simple method to estimate vegetation indices and crop canopy factors using field spectroscopy for Solanum Tuberosum during the whole phenological cycle	S. Perdikou, G. Papadavid, M. Hadjimitsis, D. Hadjimitsis, N. Neofytou

9:00-11:00 Natural Hazards - Floods Seismic Room: Akamas B

ID	Title	Authors
148-136	Using ERS-2 and ALOS/PALSAR for soil moisture and inundation mapping in Cyprus	D. Alexakis, A. Agapiou, K. Themistocleous, A. Retalis, D.Hadjimitsis,
97-88	Hydro-Meteorological Network For Flood Monitoring And Modeling	A. Efstratiadis, A. D. Koussis, S. Lykoudis, A. Koukouvinos, A. Christofides, G. Karavokiros, N. Mamassis, D. Koutsoyiannis and N. Kappos
172-145	The estimation of Moho depth by inversion of gravity data & utilizing the Moho depth quantities produced by seismological studies	S. Parang and H Shahrokhi Shahraki
59-57	Assessment And Surveillance Of Active Seismic Regions Through Time Series Satellite Data	M. Zoran, R. Savastru, D. Savastru
95-86	Effect On Irradiance Of The Eruption Of The Cordon Caulle (Chile) At Different Altitudes In The Nahuel Huapi National Park (Patagonia, Argentina)	S. B. Diaz, A. A. Paladini, H. G. Braile, M. C. Dieguez, G. A. Deferrari, M. Vernet and J. Vrsalovic
109-101	Geo-Characterization According To Recent Advances Of Eurocode (Ec8)	A. Savvaidis, B. Margaris, N. Theodoulidis, V. Lekidis, C. Karakostas, M.D. Mangriotis, I. Kalogeras, S. Koutrakis, A. Vafidis, D. Rozos, C. Loupasakis, P. Tsagaratos, U. Dikmen, N. Papadopoulos, A. Sarris, P. Soupios, E. Kokkinou Papadopoulos I., Kouli M., and Vallianatos F.

11:30-13:30		Topography-GPS-Photogrammetry	Room: Akamas A
ID	Title	Authors	
137-125	Spatial Analysis Of The Chania Prefecture - Crete Triangulation Network Quality	G. Achilleos and A. Tsouchlaraki	
20-17	Accuracy Assesment Of Minimum Control Points For UAV Photography And Georeferencing	D. Skarlatos, E. Procopiou, G. Stavrou, M. Gregoriou	
89-81	Imagery information and environment	M. Lazaridou and E. Patmios	
69-65	Evaluating Large Scale Orthophotos Derived From High Resolution Satellite Images	M.T. Ioannou and A. Georgopoulos	
77-73	Photogrammetric Processing Of A Terrasar-X Image: Evaluation Of Products	C. Ioannidis, F. Bourexis and G. Tsigenopoulos	
11:30-13:30		Lidar / Atmospheric	Room: Akamas B
ID	Title	Authors	
139-129	Sensing The Formation And Dynamics Of Dust And Anthropogenic Pollution Using A Multi Sensor Approach: Case Studies	H. M. El-Askary, and M. Kafatos	
163-134	Complex vertical layering and mixing of aerosols over the eastern Mediterranean: Active and passive remote sensing at the Cyprus University of Technology	R.E. Mamouri, A. Nizantzi, D, G Hadjimitsis, A. Ansmann A. Schwarz, S. Basart and J. Baldasano	
114-107	An Overview Of Vertically Resolved Forest Fire Aerosols Observations Over Eastern Mediterranean	D. Balis, E. Giannakaki, V. Amiridi , R. Mamouri,, P. Kokkalis, G. Tsaknakis and A. Papayannis	
56-55	Optimization Of Calipso Dust Retrievals Over Europe And North Africa	V. Amiridis, U. Wandinger, E. Marinou, A. Tsekeri, E. Giannakaki, S. Kazadzis, A. Gkikas and A. Ansmann	
11:30-13:30		Workshop ERDAS	Room: Akamas C
Workshop on ERDAS software by Geo-Systems Hellas and Intergraph			
14:30-16:30		Remote Sensing and Land Use	Room: Akamas A
ID	Title	Authors	
159-110	Use of remote sensing for detecting land cover changes sourcing from overgrazing: the case study of Cyprus	K. Themistocleous, G. Papadavid, D. Tsaltas, B. Carmen, D.G. Hadjimitsis	
99-91	A Satellite-Based Approach For Land Cover/Use Changes In Acheron River Catchment, (Greece)	A. Kostara, A. Retalis and E. Papastergiadou	
100-92	Land Movement Monitoring At The Mavropigi Lignite Mine Using Spaceborne D-Insar	E. Papadaki, A. Tripolitsiotis, C. Steiakakis, Z. Agioutantis , S.Mertikas, P. Partsinevelos and P. Schilizzi	
13-16	Geospatial tools for Landscape Character Assessment in Cyprus	N. Symons,I.N.Vogiatzakis, G.H. Griffiths, S.Warnock, V. Vassou,M. Zomeni and V. Trigkas	
71-67	A GIS-based shape analysis index for land parcels	D. Demetriou, J. Stillwell and L. See	

14:30-16:30		Atmospheric	Room: Akamas B
ID	Title	Authors	
118-11	Particulate Monitoring, Modeling, and Management: natural sources, long-range transport, and emission control options: a case study of Cyprus.	S. Kleanthous, C. Savvides, I. Christofides, D. Hadjimitsis, K. Themistocleous, C. Achilleos, E. Akylas, C. Demetriadou, P. Christodoulides, I. Douros, N. Moussiopoulos, C. Panayiotou, C. Egoris, K. Fedra, M. Kubat	
51-51	Relationship Between MODIS AOD (Aerosol Optical Depth) And PM10 Over Croatia	S. Grgurić, J. Križan, G. Gašparac, O. Antičić, Z. Špirić, Z., D. Hadjimitsis, R.E. Mamouri, A. Christodoulou, A. Nisantzi, A. Agapiou, K. Themistocleous, K. Fedra, C. Panayiotou	
45-46	Aerosol optical properties studied with remote sensing techniques over the Baltic coastal regions	A. Strzalkowska, P. Makuch, P. Pakszys, P. Markuszewski, T. Zielinski, T. Petelski, J. Piskozub, A. Rozwadowska, K. Markowicz, O. Zawadzka, I. Stachlewska	
50-50	Analyses Of High Resolution Aerosol Data From Modis Satellite: A Maiac Retrieval For The New England, Us.	A. Chudnovsky, A. Lyapustin, Y. Wang, A. Kostinski and P. Koutrakis	
157-129	Comparison of atmospheric humidity profiles obtained by cosmic satellites and radiosonde over Cyprus	C. Oikonomou, H. Haralambous and S. Perdikou	
14:30-16:30		Workshop Ground Penetrating Radar	Room: Akamas C
Workshop on Ground Penetrating Radar by Mala and Terra-Marine			
17:00 - 19:00		Water Sciences	Room: Akamas A
ID	Title	Authors	
129-120	Globolakes: A Global Observatory Of Lake Responses To Environmental Change	E. Spyrakos, P.D. Hunter, A.N. Tyler, S. Groom, G. Dall'Olmo, S. Tilstone, V. Martinez-Vicente, C.M. Merchant, S. MacCallum, M. Cutler, J. Rowan, T., Dawson, E. Politi, S.C. Maberley, L. Carvalho, J.A. Elliot, S. Thackery, S., C.A. Miller, and E.M. Scott	
130-120	Evaluation Of Meris Processors' Water Leaving Radiance And Water Constituent Retrievals: Lake Balaton, Hungary	S. Palmer, P. Hunter, A. Tyler, E. Spyrakos, C. Riddick, T. Lankester, S. Hubbard, M. Présing, V. Tóth, A. Lamb and H. Balzter	
22-21	Effects Of Land-Cover Change On Rainfall-Runoff Relationships: A Case Study Of The Yarkon-Ayalon Watershed, Israel	N. Ohana-Levi, A. Karnieli, R. Egozi and A. Peeters	
179-149	The effect of riverine terrain spatial resolution on flood modeling and mapping	G. Papaioannou, A. Loukas and Charalambos Georgiadis	
85-80	Estimation Of Virtual Water For Agricultural Use In Sub-Basin Level In Northern Greece Using Multispectral And Meteorological Data	C. Topaloglou and J. Theocharis	
17:00 - 19:00		Forests - Fires	Room: Akamas B
ID	Title	Authors	
119-112	Relationships between vegetation indices and different burn and vegetation ratios: a multi-scale approach applied in a fire affected area	M. Pleniou and N. Koutsias	
32-32	Arcfuel Methodology For Mapping Forest Fuels In Europe	P. Toukiloglou, M. Tompoulidou, I. Gitas and G. Eftychidis	
58-56	Forest Fires: Proactive And Reactive Surveillance Employing In-Situ, Aerial And Space Technology	K. Katzis, A. Grondoudis, G. Boustras and P. Papazoglou	
49-49	Above Ground Biomass Retrieved From Airborne Lidar For A Deciduous Forest	X. Shang, P. Chazette, J. Sanak, E. Dufrière, and K. Soudani	
76-72	Ground-Based C-Band Tomographic Profiling Of A Conifer Forest Stand	K. Morrison, J. C. Bennett, and S. Solberg	

17:00 - 19:00		Remote Sensing and Water Bodies	Room: Akamas C
ID	Title	Authors	
14-16	Nutrients dynamics management based on GIS modelling tools	O. Tzoraki, N.P. Nikolaidis, Ch. Gamvroudis, D. Cooper and V. Papadoulakis	
15-16	The Use Of The Distributed Model - Swat As A Catchment Management Tool – Limnatis River Basin Case Study	A. Papatheodoulou, O. Tzoraki, P. Panagos., H. Taylor, J. Ebdon, G. Papageorgiou, N. Pissarides, K. Antoniou, G. Christofi, G. Dorlfinger and N. Symons	
17-16	Environmental Quality Standards (Eqss) Methodology Development Applied To Intermittent Flow River Basins	O. Tzoraki, G. Dörflinger, C.Demetriou, M. P. Papadopoulou and N.P. Nikolaidis	
178-148	A neural network approach to separate the non-algal absorption into dissolved and particulate	I. Ioannou, A. Gilerson and S. Ahmed	
16-16	Attenuation Capacity Of A Coastal Aquifer Under Managed Recharge By Reclaimed Wastewater	G. Christodoulou, Z. Dokou, O. Tzoraki, P. Gaganis and G. Karatzas	



Oral paper presentations - Wednesday 10 April 2013
Preliminary Schedule



9:30-12:00	Military - Security	Room: Akamas A
	Title	Presenter
	Intergraph's solutions for the defences & Intelligence community	O. Zimmermann
	ETOP - Electrical tethered Observation Platform for border surveillance and target a	D. Bichman
	Synthetic Aperture Radar (SAR) In Modern Warfare Operations	A. Potsis
14:30-16:30	Open Seminar - The Ikaros Project Development of a low altitude airborne remote sensing system for the processing of satellite data for archaeological investigations Sponsored by the IKAROS Project	Room: Akamas A
	Title	Presenter
	Welcome	D. Hadjimitsis
	UAV-The Ikaros Project	A. Georgopoulos
	Using UAV, balloon and copters for aerial mapping	K. Themistocleous



POSTER PRESENTATIONS

Monday through Wednesday



ID	Title	Authors	Topic
161-132	Combination of ground-based and satellite remote sensing measurements over Limassol	A. Nisantzi, R. E. Mamouri, E. Akylas, D. G. Hadjimitsis	Atmospheric
177-147	The WEBAIR-2 EUREKA project	D.G Hadjimitsis, R.E. Mamouri, A. Christodoulou, A. Nisantzi, A. Agapiou, K. Themistocleous, S. Grgurić, K. Fedra, and C. Panayiotou	
154-113	A precision solar spectroradiometer for spectral aerosol optical depth measurements	N. Kouremeti, J. Gröbner, E. de Coulon, F. Dürig, R. Soder, D. Wasser, M. Gyo	
27-20	Ground penetrating radar and earthquake tumble at the Hellenistic – Roman theatre of Nea Paphos	C. Barker, S. Moody, G. Hazell and A. Dusting	Archaeology / Cultural Heritage
171-142	Discovering archaeological crop marks using broadband vegetation indices: the <i>Almyros II</i> Neolithic site at the Thessalian plain	M. Stavrou, A. Agapiou, D. Alexakis and D. G. Hadjimitsis	
175-143	From skin temperature to surface temperature: an application of satellite images and artificial neural networks	S. Michaelides and F. Tymvios	Climate Change/ Meteorology
176-146	Spectral changes in the post-fire spectral signal using ground spectroradiometer	K. Ppapegeorgiou, K. Themistocleous and D. Hadjimitsis	Forest - Fires

149-33	Digital (GIS) structural integrity mapping of high risk areas in Cyprus due to corrosion of steel reinforcement	K. Neocleous, D. Hadjimitsis and K. Themistocleous	GIS
169-140	Marine spatial planning in Cyprus using GIS and remote sensing	D.G. Hadjimitsis, K.Themistocleous, A. Agapiou, D. Alexakis and Z. Shiokouros	
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