

# RSCy 2015

16 - 19 March 2015, Paphos, Cyprus



## Third International Conference

### on Remote Sensing and Geoinformation of Environment Conference Proceedings

WI-FI CODE: PUBLICWIFI7

#### ORGANIZERS:

- Cyprus Remote Sensing Society
- Cyprus University of Technology

#### CO - ORGANIZERS:

- ESA (European Space Agency)
- ETEK (Cyprus Scientific and Technical Chamber)
- Department of Meteorology (CY)
- Ministry of Defense (CY)
- Department of Electronic Communications of the Ministry of Communications and Works (CY)
- Agricultural Research Institute (CY)
- GEO (Group on Earth Observations)
- DLR (German Aerospace Center)
- Hellas Sat
- Neapolis University
- Frederick University

#### Organizers:



#### Co-Organizers:



Ministry of  
Communications and Works





**Third International Conference on Remote Sensing and Geoinformation of Environment**  
 Conference Program  
 March 16-19, 2015  
 King Evelthon Hotel - Paphos, Cyprus  
 www.cyprusremotesensing.com/rscy2015/



Day Time	Monday 16/3/2015	Tuesday 17/3/2015	Wednesday 18/3/2015	Thursday 19/3/2015
8:00 - 17:00	<b>Registration</b>	<b>Registration</b>	<b>Registration</b>	<b>Registration</b>
9:00 - 11:00	<b>Opening Ceremony</b> 9:30 - 10:30 Room: Salamis	<b>Remote Sensing, SAR and RADAR, Environment</b> Room: Salamis	<b>Atmospheric</b> Room: Athena A	<b>Natural Hazards</b> Room: Salamis
	<b>Keynote Speakers</b> 10:30 - 11:30 Room: Salamis	<b>WORKSHOP UAV</b> Room: Ledra	<b>WORKSHOP DEFENSE</b> Room: Athena A	<b>Agriculture</b> Room: Salamis
11:00 - 11:30	<b>Coffee Break - Poster presentations</b>	<b>Coffee Break - Poster presentations</b>	<b>Coffee Break - Poster presentations</b>	<b>Coffee Break - Poster presentations</b>
11:30 - 13:00	<b>Coffee Break - 11:30 - 12:00</b>	<b>Parallel Sessions</b>	<b>Parallel Sessions</b>	<b>Water Sciences</b> Room: Salamis
	<b>Research Opportunities and Trends in Earth Observation of the Environment</b> 12:00 - 13:00 Room: Salamis	<b>ROUNDTABLE DISCUSSION</b> Room: Salamis	<b>LIDAR</b> Room: Athena A	<b>Natural Hazards Water Sciences</b> Room: Salamis
13:00 - 14:30	<b>Lunch</b>	<b>Lunch</b>	<b>Organized Trip</b> Archaeological Park in Paphos, Paphos Castle and Geroskipou	<b>Closing Ceremony</b>
14:30 - 16:00	<b>Remote Sensing</b> Room: Salamis	<b>Parallel Sessions</b>	<b>Remote Sensing</b> Room: Salamis	<b>WORKSHOP Cultural Heritage</b> Room: Athena A
	<b>Coffee Break - Poster presentations</b>	<b>Coffee Break - Poster presentations</b>	<b>Coffee Break - Poster presentations</b>	<b>WORKSHOP Cultural Heritage</b> Room: Athena A
16:00 - 16:30	<b>Coffee Break - Poster presentations</b>	<b>Parallel Sessions</b>	<b>Geology - GIS</b> Room: Salamis	<b>WORKSHOP Cultural Heritage</b> Room: Athena A
	<b>Land Cover - Real Estate</b> 16:30 - 19:00 Room: Salamis	<b>Free</b>	<b>Free</b>	<b>Free</b>
18:30 - 20:00	<b>Free</b>	<b>Social Dinner</b> Best paper, best poster award	<b>Free</b>	<b>Free</b>
20:00 - ...	<b>Free</b>	<b>Social Dinner</b> Best paper, best poster award	<b>Free</b>	<b>Free</b>





# Third International Conference on Remote Sensing and Geoinformation of Environment

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## Monday 16 March, 2015

08:00-17:00		REGISTRATION																												
16/3	9:30 - 10:30	Opening Ceremony																												
		<p><b>Welcome</b> - Dr. Kyriacos Themistocleous, Cyprus Remote Sensing Society</p> <p><b>Greeting and Introduction</b> - Professor Diofantos Hadjimitsis, Chairman of the RSCy2015 conference, Head of the Civil Engineering and Geomatics Department, Cyprus University of Technology</p> <p><b>Greeting</b> - Mr. Stelios Achniotis - Technical Chamber of Cyprus - ETEK</p> <p><b>Greeting</b> - Andreas Demetriades Paphos Chamber of Commerce and Industry- EBE</p> <p><b>Greeting</b> - Dr. Christos Volos, Neapolis University</p> <p><b>Greeting</b> - Mr. Phedonas Phedonos - Mayor of Paphos</p> <p><b>Greeting</b> - Dr. Silas Michaelides, Director of the Department of Meteorology, Ministry of Agriculture, Natural Resources and Environment</p> <p><b>Opening Speech</b> - Mr. Marios Demetriades - Minister of Communication and Works, Government of Cyprus</p>																												
16/3	10:30-11:30	Keynote Speakers																												
		<p>Dr. Gunter Schreier "<b>Copernicus – The European Earth Observation System</b>"</p> <p>Dr. Axel Posluschny "<b>Remote Sensing for Archaeology - A Common Tool or a Necessity?</b>"</p> <p>Alessio Di Iorio "<b>Remote Sensing methodologies and techniques from application to market; case studies from current FP7 and ESA projects</b>"</p>																												
11:30-12:00		COFFEE BREAK - POSTER PRESENTATIONS																												
16/3	12:00-13:00	Research Opportunities and Trends in Earth Observation of the Environment																												
		<p>Giorgos Protopapas "<b>LIFE, the EU's Financial Instrument for the Environment</b>"</p> <p>Pierantonios Papazoglou "<b>Horizon 2020 Funding for Space: Programme Overview and Basic Tips for Proposal Writing</b>"</p> <p>Haris Kontoes - "<b>The BEYOND Centre Of Excellence</b>"</p>																												
13:00-14:30		LUNCH																												
16/3	14:30-16:00	Remote Sensing	Chair: V. Karathanassi Room: Salamis																											
		<table border="1"> <thead> <tr> <th>ID</th> <th>Title</th> <th>Authors</th> </tr> </thead> <tbody> <tr> <td>12-132</td> <td>Reconstruction and Downscaling of Eastern Mediterranean Blended QUIKSCA- SSM/I Satellite Wind Field Data Using Dineof</td> <td>A. Nikolaidis, S. Stylianou, G. Georgiou, D. G. Hadjimitsis, E. Gravanis and E. Akylas</td> </tr> <tr> <td>12-12</td> <td>An Automatic Method For Producing Robust Regression Models From Hyperspectral Data Using Multiple Simple Genetic Algorithms</td> <td>D. Sykas and V. Karathanassi</td> </tr> <tr> <td>12-52</td> <td>Sharpening the Geological Exploration – Imaging Spectroscopy from Near-Field to Space</td> <td>C. Rogaß, N. K. Boesche, C. Mielke, M. Brell, C. Lubitz, K. Segl and L. Guanter</td> </tr> <tr> <td>12-89</td> <td>Land Surface Temperature Retrieval From Landsat 8 TIRS- Comparison Between Split Window Algorithm And Sebal Method</td> <td>K.V. Kamran, M. Pirnazar and V.F. Bansouleh</td> </tr> <tr> <td>12-27</td> <td>Change Detection From Very High Resolution Satellite Time Series With Variable Off-Nadir Angle</td> <td>L. Barazzetti, R. Brumana, B. Cuca and M. Previtali</td> </tr> <tr> <td>04-90</td> <td>Travelling in the Eastern Mediterranean with Landscape Character Assessment</td> <td>N. Abu Jaber, Y. Abunnasr, A. Abu Yahya, N. Boulad, O. Christou, G. Dimitropoulos, T.Dimopoulos, K. Gkoltsiou, N. Khreis, P. Manolaki, K. Michael, T. Odeh, A. Papatheodoulou, A. Sorotou, S. Sinno, O. Suliman, N. Symons, T. Terkenli, V. Trigkas, M.G. Trovato, M. Victora, M. Zomeni, and I.N Vogiatzakis</td> </tr> </tbody> </table>	ID	Title	Authors	12-132	Reconstruction and Downscaling of Eastern Mediterranean Blended QUIKSCA- SSM/I Satellite Wind Field Data Using Dineof	A. Nikolaidis, S. Stylianou, G. Georgiou, D. G. Hadjimitsis, E. Gravanis and E. Akylas	12-12	An Automatic Method For Producing Robust Regression Models From Hyperspectral Data Using Multiple Simple Genetic Algorithms	D. Sykas and V. Karathanassi	12-52	Sharpening the Geological Exploration – Imaging Spectroscopy from Near-Field to Space	C. Rogaß, N. K. Boesche, C. Mielke, M. Brell, C. Lubitz, K. Segl and L. Guanter	12-89	Land Surface Temperature Retrieval From Landsat 8 TIRS- Comparison Between Split Window Algorithm And Sebal Method	K.V. Kamran, M. Pirnazar and V.F. Bansouleh	12-27	Change Detection From Very High Resolution Satellite Time Series With Variable Off-Nadir Angle	L. Barazzetti, R. Brumana, B. Cuca and M. Previtali	04-90	Travelling in the Eastern Mediterranean with Landscape Character Assessment	N. Abu Jaber, Y. Abunnasr, A. Abu Yahya, N. Boulad, O. Christou, G. Dimitropoulos, T.Dimopoulos, K. Gkoltsiou, N. Khreis, P. Manolaki, K. Michael, T. Odeh, A. Papatheodoulou, A. Sorotou, S. Sinno, O. Suliman, N. Symons, T. Terkenli, V. Trigkas, M.G. Trovato, M. Victora, M. Zomeni, and I.N Vogiatzakis							
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16/3	16:30 - 19:00	Land-Cover - Real Estate	Chair: E. Dimopoulou Room: Salamis																											
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**Tuesday 17 March, 2015**

08:00-17:00		REGISTRATION		
17/3	9:00 - 11:00	<b>Atmospheric</b>	<b>Chair: A. Ansmann</b>	<b>Room: Athina A</b>
ID	Title	Authors		
02-75	Investigating Evolution of Dust Events in the Mesopotamian Region During 2001 to 2012 by Using MODIS and TRMM Data Sets	H. R. Khalesifard, S. Shams, R. Moradhaseli and A. Nasrazadani		
02-115	Comparison Between Empirical And Physically Based Models of Atmospheric Correction	E. Mandanici, F. Franci, G. Bitelli, A. Agapiou, D. Alexakis and D.G. Hadjimitsis		
02-99	Drought in Nicosia Using Standardized Precipitation Index SPI-n and BMDI Drought Index	M. Theophilou and D. Serghides		
02-15	A Study of the Impact of Synoptic Weather Conditions and Water Vapour on Aerosol-Cloud Relationships	K. Kourtidis, S. Stathopoulos, A. Georgoulas, G. Alexandri and P. Syropoulou		
12-80	Land Surface Temperature and Surface Urban Heat Island Characteristics and Trends in 17 Mediterranean Cities	N. Benas and N. Chrysoulakis		
02-130	Atmospheric Activities in the Framework of BEYOND	V. Amiridis		
17/3	9:00-11:00	<b>Remote Sensing, SAR and Radar, Environment</b>	<b>Chair: K. Nikolakopoulos</b>	<b>Room: Salamis</b>
ID	Title	Authors		
04-28	Forest Canopy Height Estimation Using Double-Frequency Repeat Pass Interferometry	K. Karamvasis and V. Karathanassi		
15-87	DSM Generation from Sentinel and Cosmo-SkyMed Data using Interferometry and Radargrammetry. A Case Study from Mykonos Greece	K. Nikolakopoulos, A. Kyriou and V. Charalampopoulou		
15-84	Exploitation of Satellite Optical And SAR Data for Public Work Studies	C. Ioannidis, S. Soile, S. Athanassios and D. Vassilaki		
04-145	Automated Motion Detection from Space in Sea Surveillance	P. Michalis, E. Charalambous, I. Dowman, J. Takaku and B. Charalampopoulou		
01-101	Development of a Rule-Based Algorithm For Rice Cultivation Mapping Using Landsat 8 Time Series	C. Karydas, P. Toukiloglou, C. Minakou and I. Gitas		
04-112	WEB-GIS Platform for Green Infrastructure in Bucharest	M. Sercaianu, F. Petrescu, M. Aldea, O. Luca and G. Rotaru		
05-123	Quantitative Correlation of Rainfall and Earth Surface Displacements for Slope Stability Studies	C. Steiakakis, Z. Agioutantis, E. Apostolou, G. Papavgeri and A. Tripolitsiotis		
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS		
17/3	11:30-13:00	<b>Roundtable discussion</b>	<b>Room: Salamis</b>	
		<b>The Future of Remote Sensing for Sustained Earth Observation</b>		
		Data Sharing, Big Data & Cloud Applications	B. Ryan	
		Copernicus and Sentinel Data for Sea Borders Monitoring – Security & Environmental Protection	T. Potsis	
		Copernicus and Sentinel Data for Disaster monitoring and management – DRS	B. Charalampopoulou	
		Securing Society- Climate Change : Respond to Extreme Weather and Climate Events, Including High Temperatures, Dust from African Countries and Health	S. Michaelides	
		Precision Agriculture – Crop Growth Monitoring	G. Zalidis	
		Water Applications, Water Quality Monitoring, Flood Monitoring	G. Zalidis	
		Land resources Survey- Surveying and Mapping	All participants	
17/3	11:30-13:00	<b>LIDAR</b>	<b>Chair: V. Amiridis</b>	<b>Room: Athina A</b>
ID	Title	Authors		
08-82	Novel Dual-Fov Raman Lidar Observations of Aerosol and Cloud Optical and Microphysical Properties to Study Aerosol-Cloud Interaction	A. Ansmann, J. Schmidt, J. Bühl and U. Wandinger		
08-88	Measuring of Ice Nucleation Rates in Mixed-Phase Layered Clouds by Combined Lidar/Radar Observations	J. Bühl, M. Radenz, P. Seifert, R. Leinweber, U. Görndorf, A. Ansmann and V. Lehmann		
08-100	Profiling of Coarse-Mode Dust And Dust-Related Ice Nuclei Concentration with Polarization Lidar: Spaceborne CALIOP Observations	R.-E. Mamouri, A. Nisantzi, A. Ansmann and D.G. Hadjimitsis		
08-32	Lidar Detection of Carbon Dioxide in Volcanic Plumes	L. Fiorani, S. Santoro, S. Parracino, G. Maio, M. Del Franco and A. Aiuppa		
08-116	Remote Sensing for Biodiversity Conservation. An Integrated Application of MIVIS and LIDAR Technologies for Detecting Ailanthus altissima in Palermo (Sicily)	A. Scianna, L. Raimondo and M. L. Scaduto		
14-13	Impact of Enhanced X-Ray Flux on the Ionosphere over Cyprus During Strong Solar Flares	M. G. Mostafa and H. Haralambous		
13:00-14:30		LUNCH		
17/3	14:30-16:00	<b>Remote Sensing</b>	<b>Chair: D. Hadjimitsis</b>	<b>Room: Salamis</b>
ID	Title	Authors		
12-79	Potential of Hyperspectral Imaging For Landmine Detection	I. Makki, R. Younes, C. Francis and M. Zucchetti		
04-119	Remote Sensing Image-Base Analysis of the Relationship Between LST, Elevation and NDVI	D. Skarlatos and A. Georgiou		
12-83	Geometric registration of Remotely Sensed Data with SAMIR	M. Gianinetto, L. Barazzetti, L. Dini, R. Toldo and A. Fusiello		
13-111	Context-Awareness in Ubiquitous Computing and the Mobile Devices	N. Akçit, E. Tomur and M. O. Karslıoğlu		
12-138	Remote Sensing for Everybody, Easy To Use Data Access in Combination With Easy to Use Ecognition Essentials Solution	W. Krebs		
17/3	14:30-18:30	<b>Workshop-Cultural Heritage</b>	<b>Chair: A. Posluschny and A. Sarris</b>	<b>Room: Athina A</b>
ID	Title	Authors		
03-16	WORKSHOP--Neolithic Ditches in Thesaly	A. Sarris, N. Argyriou, T. Kalayci, F.-X. Simon, J. Donati, C. Cuenca García, G. Cantoro and M. Manataki		
03-29	Feature Enhancement from Electrical Resistivity Data in an Archaeological Survey: The Sapelos Hillfort Experiment (Boticas, Portugal)	M. Alves, P. Bernardes, L. Fontes, M. Martins and J. Madeira		
03-46	A Polish Perspective On Optical Satellite Data And Methods For Archaeological Sites Prospection	D. Ruciński, W. Rączkowski and J. Niedzielko		
03-45	Searching for Hidden Houses: Optical Satellite Imagery in Archaeological Prospection Of The Early Neolithic Settlements in The Kujawy Region, Poland	W. Rączkowski and D. Ruciński		
03-47	From Romantic to Scientific Perspective: The Ruins of Radlin Palace in Wielkopolska Region in The Light of Remote Sensing Techniques	A. Wilgocka and D. Ruciński		
03-48	Assessing the Damage of Chelmo Mount, Poland – A Remote Sensing Perspective	M. Kostyrko and D. Ruciński		



	03-86	Remote Sensing Opportunities for Caribbean Archaeology	A. Samson, C. Rogaß and T. Kuester
	03-137	Impact of Modern Evolution of Paphos Town to its Ancient Necropoleis. A Multi-Temporal GIS and Earth Observation Analysis	V. Lysandrou, A. Agapiou and D.G. Hadjimitsis
	03-109	Mapping of Traditional Settlements by Unmanned Airborne Vehicles Towards Architectural Restoration	P. Partsinevelos, Nikolaos Skoutelis, A. Tripolitsiotis, A. Tsitonaki and P. Zervos
	03-141	The Methodology of Documenting Cultural Heritage Sites Using Photogrammetry, UAV and 3D Printing Techniques: The Case Study of Asinou Church in Cyprus	K. Themistocleous, M. Ioannides, A. Agapiou and D.G. Hadjimitsis
<b>16:00-16:30</b> COFFEE BREAK - POSTER PRESENTATIONS			
<b>17/3</b>	<b>16:30 - 18:30</b>	<b>GIS - Geology</b>	<b>Chair: D. Demetriou</b> <b>Room: Salamis</b>
	<b>ID</b>	<b>Title</b>	<b>Authors</b>
	16-122	Marine Spatial Planning In Cyprus	D.G. Hadjimitsis, A. Agapiou, C. Mettas, K. Themistocleous, E. Evagorou, B. Cuca, C. Papoutsas, A. Nisantzi, R. E. Mamouri, G. Soulis, Z. Xagoraris, M. Tsouvaras, A. Christofe, V. Lysandrou, K. Aliouris, N. Ioannou and G. Pavlogeorgatos
	12-135	Elevation-Aided Navigation for Low-Dynamic Systems	C. Danezis, V. Gikas and T. Mpimis
	05-53	Mapping Carbonatitic Rare Earth Deposits from Outcrop to Space	N. K. Boesche, C. Rogaß, C. Mielke, L. Guanter and H. Kaufmann
	09-146	Remote Monitoring as a Tool in Condition Assessment of a Highway Bridge	E. A. Tantele, R. A. Votsis, T. Onoufriou, M. Milis and G. Kareklas
	07-22	Validity of the Tasselled Cap Transform For Change Detection in Desert Areas	A. Zanchetta, G. Bitelli and A. Karnieli
	06-68	SeaMobile': a GIS Based Application Delivering Sea Condition Forecasts for Smart Phones	G. Zodiatis, S. Stylianiou, D. Schaap, A. Karaoli, A. Nikolaidis, V. Vassiliou, C. Ioannou and C. Coman
	07-105	Analyzing Green/Open Space Accessibility By Using GIS: Case Studies in Cyprus	C. Kara and N. Akçit
	06-110	Traffic Accident Analysis Using GIS - A Case Study: Kyrenia City	C. Kara and N. Akçit
<b>20:00 - 24:00</b> Social Dinner Best Paper and Best Poster Award			

<b>Wednesday 18 March 2015</b>			
<b>08:00-17:00</b> REGISTRATION			
<b>18/3</b>	<b>9:00-11:00</b>	<b>Natural Hazards</b>	<b>Chair: L. Pantelidis</b> <b>Room: Salamis</b>
	<b>ID</b>	<b>Title</b>	<b>Authors</b>
	09-81	The FLIRE DSS, a Web Service System for the Management of Natural Disasters in Urban and Rural Areas	D. Poursanidis, G. Kochilakis, N. Chrysoulakis, V. Varella, V. Kotroni, G. Eftychidis, K. Lagouvardos, C. Papanthasiou, G. Karavokyros, M. Aivazoglou, C. Makropoulos and M. Mimikou
	09-134	G-Next: Pre-Operational Copernicus Security Services in Support Of EU External Actions	D. Ioannidis, V. Avgikou, S. Bollandos and D. Sykas
	09-10	Monitoring a Treacherous Landsliding Phenomenon Favoured By The Land Development Itself	L. Pantelidis, K. Themistocleous, A. Agapiou and P. Christodoulou
	09-124	Burn Severity Estimation Using Geoeye Imagery, Object-Based Image Analysis (OBIA) and Composite Burn Index (CBI) Measurements	E. Dragozi, I. Z. Gitas, D. G. Stavrakoudis and C. Minakou
	09-136	Use Of RS/GIS Technology for Mapping of Coastline Dynamics and Fire Traces In The Ukraine	Y. Gazyetov, T. Pavlik, V. Medinets, E. Cherkez, O. Buniak and A. Damalas
	05-09	Subsidence Mapping, Characterization and Modeling: ESA-GMES TerraFirma Services	F. Raspini, S. Bianchini, C. Del Ventisette, S. Moretti, C. Loupasakis and D. Rozos
	09-126	PREFER: A European Service Providing Forest Fire Management Support Products	G. Eftychidis, G. Laneve, F. Ferrucci, A. Sebastian Lopez, S. Oliveira, S. Clandillon, L. Tampellini, B. Hirn, D. Diagourtas and G. Leventakis
<b>18/3</b>	<b>9:00-11:00</b>	<b>Workshop for Close Range Remote Sensing Techniques</b>	
		Introduction of the Eratosthenis Remote Sensing Laboratory and Remote Sensing Techniques	V. Lysandrou
		Ground-Truth Spectroradiometric Data for Supporting Remote Sensing Archaeological Applications	A. Agapiou
		The Use of UAV for Remote Sensing Applications	K. Themistocleous
		Survey and Documentation for the Valorization of Cultural Heritage and Landscapes: Innovative Technologies for 3D/4D Modelling	B. Cuca
<b>11:00-11:30</b> COFFEE BREAK - POSTER PRESENTATIONS			
<b>18/3</b>	<b>11:30-13:00</b>	<b>Natural Hazards - Water Sciences</b>	<b>Chair: A. Loukas</b> <b>Room: Salamis</b>
	<b>ID</b>	<b>Title</b>	<b>Authors</b>
	09-76	Rockfall Risk Evaluation Using Geotechnical Survey, Remote Sensing Data and GIS. A Case Study From Western Greece	K. Nikolakopoulos, N. Depountis, K. Kavoura, N. Vagenas, E. Vlachaki, G. Kelasidis, N. Sabatakakis and G. Achilleos
	09-74	Modified-Fibonacci-Dual-Lucas Method for Earthquake Prediction	A. Boucouvalas, M. Gkasios, N. Tselikas and G. Drakatos
	16-102	Estimation of Crop Water Requirements Using Remote Sensing for Operational Water Resources Management	L. Vasiliades, M. Spiliotopoulos, J. Tzabiras, A. Loukas and N. Mylopoulos
	16-71	A New Remote Sensing Procedure for the Estimation of Crop Water Requirements	M. Spiliotopoulos, A. Loukas and N. Mylopoulos
<b>18/3</b>	<b>11:30-13:00</b>	<b>DEFENSE WORKSHOP</b>	
		Introductions	D.G. Hadjimitsis
		Copernicus and Sentinel Data for Sea Borders Monitoring – Security & Environmental Protection	Dr. A. Potsis
		"New Methods of Observing Land and Sea Borders Using Remote Sensing - Geo-Intelligence"	Mr. R. Pietschmann
		"Methodology for Monitoring Land and Sea Borders"	Mr. D. Barok
		Cyprus and Space Policy	K. Themistocleous
<b>13:00 - 18:30</b> ORGANIZED TRIP - Archaeological Park in Paphos			

**Thursday, 19 March 2015**

08:00-17:00		REGISTRATION		
9:00-11:00		Agriculture	Chair: G. Zalidis	Room: Salamis
	ID	Title	Authors	
	01-25	Corn Yield Estimation in Serbia Using Modis 13Q1 Product	M. Govedarica, D. Jovanović and F. Sabo	
	01-41	The Contribute of Landsat 8 TIRS Sensor Data in Identifying Plastic Covered Vineyards	A. Novelli and E. Tarantino	
	01-49	An Insight into Space and Remote Sensing Technologies Concerning Agriculture and Landscape Analysis and Monitoring	B. Cuca, L. Barazzetti, R. Brumana and M. Previtali	
	01-51	GIS Modeling Approach for Hydrological Extreme and Soil Erosion Prone Areas Assessment: A Case Study from an Intensive Agricultural Area in Crete, Greece	N. Kourgialas and G. Karatzas	
	01-91	Leaf Area Index Retrieval By Inverting Scope Model Using Hyperspectral Data over Floodplain Meadow	S.M. Punalekar, A. Verhoef, C. van der Tol and K. White	
	01-56	Effects Of Atmosphere on Crop Yield Modelling using Remotely Sensed Data	G. Papadavid and D.G. Hadjimitsis	
	01-44	Development of a UAV System for VNIR-TIR Acquisitions in Precision Agriculture	L. Misopolinos, Ch. Zalidis, V. Liakopoulos,b, D. Stavridou, P. Katsigiannis, T.K. Alexandridis and G. Zalidis	
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS		
19/3	11:30-13:00	Remote Sensing and Water Sciences	Chair: M. Krylenko	Room: Salamis
	ID	Title	Authors	
	12-103	Satellite Snow Cover Products Evaluation and Validation Platform for Romania	V. Craciunescu, A. Irimescu, G. Stancalie, S. Catana and A. Ristea	
	12-94	Estimating Chlorophyll Concentrations in the Optically Complex Waters of The North Aegean Sea from Field and Satellite Ocean Colour Measurements	P.G. Drakopoulos, A.C. Banks,G. Kakagiannis, A.P. Karagiorgis, A. Lagaria, A. Papadopoulou, S. Psarra, N. Spyridakis and V. Zervakis	
	13-93	Automated 2-D Shoreline Detection from Coastal Video Imagery: An Example from the Island of Crete	A. Velegrakis, V. Trygonis, M. Vousdoukas, G. Ghionis, A. Hatzipavlis, O. Andreadis, F. Psarros and T. Hasiotis	
	16-39	Accumulative Coast Dynamics Estimation By Satellite Camera Records	M. Krylenko, V. Krylenko and R. Kosyan	
	12-77	Interpolation and Elevation Errors - The Impact of the DEM Resolution	G. Achilleos	
13:00 - 13:30		CLOSING CEREMONY		

**POSTER PRESENTATIONS**

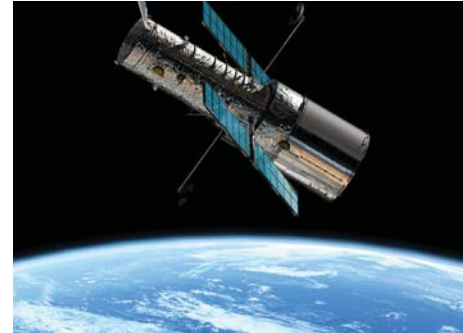
POSTER ID	Title	Authors	Topic
04-125	Olive Oil Mill Wastes: A Monitoring Approach Through Space Technologies	A. Agapiou, A. Sarris and N. Papadopoulos	<b>Geology</b>
04-26	Estimation Of Soil Erosion From Terraced Slopes: A 3D Approach	M. Faka, H. Djuma, C. Camera, A. Bruggeman and S. Hermon	
04-40	Testing High Spatial Resolution Worldview-2 Imagery for Retrieving Leaf Area Index	M. Laterza, A. Novelli and E. Tarantino	
04-140	The Use Of UAV To Document Sloping Landscapes to Produce Digital Elevation Models To Examine Environmental Degradation	K. Themistocleous, A. Agapiou, M. de Hoop, A.G. Mayor, M. Rietkerk, S.C. Dekker, and D.G. Hadjimitsis	
05-128	Evaluation Of Thermal Properties Using Electrode Method	A. H. Abdul and M. Salam	
05-73	Study Of Geomechanical Properties Using Subsurface Borehole Logging	A. H. Abdul, M. Salam and R. M. Kok	
06-148	Classification Of Corrosion Risk Zones Using GIS	N. Georgiou, C. Anastasiou, E. A. Tantele, R. A. Votsis and C. Danezis	<b>GIS</b>
06-108	Spatially Constrained Clustering over Classified Suitability Maps	P. Partsinevelos and K. Papadakis	
06-151	How To Manage An Existing Water Supply Network Using GIS And Modelling Techniques: 'The Hydrogis Lab'	P. Evlogimenos, K. Themistocleous, A. Agapiou, M. Theodorou, C. Demetriadou, A. Panis, T. Onoufriou, Panos Papanicolaou, E. Finikaridou and D. G. Hadjimitsis	
06-150	Port Performance In The Mediterranean: The Development Of GIS For Presentation Of KPI Scores	M. Tzouvaras, A. Papantoniou, C. Kaizer, C. Papoutsas, A. Christofe, K. Themistocleous, A. M. Lekka, I. Karousos, A. Chiappetta and D. G. Hadjimitsis	
07-114	Towards an Unitary Technical Approach For Monitoring Urban Growth in Romania Using Remote Sensing Data	M. Aldea, F. Petrescu, M. Sercaianu, F. Gaman and C. Iacoboa	<b>Land Cover</b>
07-42	The Contribution of Multidimensional Spatial Analysis to a Waste Management Policy. Implementation of the Electre Method for Characterizing Transfer Centers in the Region of Oran	A.Saidi, M. A. Trache and M. F. Khelfi	
07-95	Mapping Landscapes and Sharing Experiences: Progress In Landscape Character Assessment In Cyprus	I.N. Vogiatzakis, P. Manolaki, M. Zomeni, V. Trigkas, A. Papatheodoulou, O. Christou, K. Michael and M. Victora	
08-104	Four-Year Study of Mineral Dust Injection During Fire Events Observed with the Earlinet Lidar at Limassol, Cyprus	A. Nisantzi, R.-E. Mamouri, D.G. Hadjimitsis and A. Ansmann	<b>LIDAR</b>
08-129	Lidar-Derived Extinction-To-Backscatter Ratios for Saharan and Middle East Dust for Spaceborne Calipso Data Analysis	A. Nisantzi, R.-E. Mamouri, D.G. Hadjimitsis and A. Ansmann	
08-21	LIDAR and Airphoto Technology in the Study of the Black Sea Accumulative Coasts	E. Boyko, V. Krylenko and M. Krylenko	
09-117	Detection Of Small-Scale Rockfall Incidents Using Their Seismic Signature	A. Tripolitsiotis, A. Daskalakis, S. Mertikas, D. Hristopoulos, Z. Agioutantis and P. Partsinevelos	<b>Natural Hazards</b>
09-106	Multi-Temporal Change Image Inference Towards False Alarms Reduction For an Operational Photogrammetric Rockfall Detection System	P. Partsinevelos, C. Kallimani and A. Tripolitsiotis	
10-14	Developing an Ann Electron Density Profile Model Over Cyprus Based on Ionosonde Measurements	H. Haralambous and H. Papadopoulos	<b>Neural networks</b>
10-05	Temperature, Humidity And Total Precipitable Water Restitution With AMSU-A, MHS and HIR Using Neural Network	A.M. Moussa, B. Diop, A. Diakhaby, A. Deme and A. Sy	
12-133	Monitoring Asphalt Pavement Damages Using Remote Sensing Techniques	C. Mettas, K. Themistocleous, K. Neocleous, A.Christofe, M. Kokkinou, K. Pilakoutas and D.G. Hadjimitsis	<b>Remote Sensing</b>
12-143	Anomalies Detection on Buried Structures Using Space and GIS Techniques for Security and Defense Applications	G. Melillos, K. Themistocleous, G. Papadavid, A. Agapiou and D.G. Hadjimitsis	
13-01	Cross Validation Of Geotechnical and Geophysical Site Characterization Methods. Near Surface Data from Selected Accelerometric Stations In Crete (Greece)	C. Loupasakis, P. Tsagaratos, D. Rozos, Th. Rondoyiann, A.Vafidis, M. Steiakakis, Z. Agioutantis, A. Savvaidis, P.Soupios, I. Papadopoulos, N.Papadopoulos, A. Sarris and U.Dikmen	
13-33	Urban Indicator for Database Updating	B. Navaro, S. Allibert, C. Netter and N. Saporiti	
13-34	A Sensitivity Study for the Calibration of Hyperspectral Spectrometry On-Board the Geostationary Multipurpose Satellite of Korea	M.-H. Ahn, M. Kang and J. Kim	
13-35	Estimation of Uncertainties in the Spectral Response Function of The Water Vapor Channel of a Meteorological Imager	M.-H. Ahn, S. J. Lee and D. Kim	
13-139	Remote Sensing Techniques to Detect Recycled Tire Fibers in Concrete Slabs	K. Themistocleous, K. Neocleous and D.G. Hadjimitsis	
12-149	The Use Of Field Spectroscopy For Applying NDVI In Randi Forest In Cyprus	P. Loizou, M. Christoforu, K. Themistocleous, A. Agapiou, G. Papadavid and D. G. Hadjimitsis	
14-96	Urmia Bridge Stability Assessment By Using TerraSAR-X Strip and Spotlight Mode Images	F. Hosseini, M. Motagh and M. A. Sharifi	
16-107	Delineating Sea Surface Water Quality Regions From Remotely Sensed Data Using Textural Information	P. C. Kyriakidis, G. K. Vasios and D. Kitsiou	<b>Water Sciences</b>
16-57	A New Simple Method for Estimating Drought in Cyprus Using TERRA MODIS Remotely Sensed Data	G. Papadavid and K. Petrou	
16-97	Mapping the Anapa Bay Bar Geosystems on the Basis of Satellite Remote Sensing and Ground Data	V.I. Kravtsova, O.V. Tutubalina, V.V. Krylenko, M.V. Krylenko and E.R. Chalova	
16-147	Estimation Of Turbidity Values Over Asprokremmos Reservoir Using Landsat Satellite Images And Comparison With Real-Time Field Data	C. Papoutsas and D.G. Hadjimitsis	

# Third International Conference

## on Remote Sensing and Geoinformation of Environment

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