Fourth International Conference

on Remote Sensing and Geoinformation of Environment

Organizer:
- Cyprus Remote Sensing Society

Co-Organizers:
- Cyprus University of Technology
- ESA (European Space Agency)
- GEO (Group on Earth Observations)
- DLR (German Aerospace Center)
- NASA (National Aeronautics and Space Administration)
- 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)
- Neapolis University
- Frederick University
- Hellas G.I.s

WiFi: KING Evelthon FREE
WiFi Password: PUBLICWIFI18
**Monday 4 April, 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-17:00</td>
<td>Registration</td>
</tr>
<tr>
<td>09:00-09:40</td>
<td>Opening Ceremony</td>
</tr>
<tr>
<td>09:40-11:00</td>
<td>Remote Sensing</td>
</tr>
<tr>
<td>11:40-12:10</td>
<td>COFFEE BREAK - POSTER PRESENTATIONS</td>
</tr>
</tbody>
</table>

**Tuesday 5 April, 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-17:00</td>
<td>Registration</td>
</tr>
<tr>
<td>09:00-09:40</td>
<td>Keynote Speaker: Steffen Kunz, Airbus</td>
</tr>
<tr>
<td>09:40-11:00</td>
<td>Remote Sensing</td>
</tr>
<tr>
<td>11:40-12:10</td>
<td>COFFEE BREAK - POSTER PRESENTATIONS</td>
</tr>
</tbody>
</table>
09:195

GSM GENERATION USING MULTIPLE RADAR DATA FOR RELIEF CHANGES DETECTION IN NORTH PELOPONNESE

K. Nikolakopoulos, A. Kyriou, N. Sabatakakis & V. Anastassopoulos

09:313

WORLDVIEW-3: THE WORLD AS NEVER SEEN BEFORE

V. Giavò

09:259

COMPARISON OF SOLID SHAPES GEOMETRY DERIVED BY A LASER SCANNER AND A TOTAL STATION

A. Sidiroopoulos & K. Lakakis

09:308

THE CONTRIBUTION OF GEOSATellite INFORMATION FOR SEDIMENTS YIELD MODELING OF NTFS WATERSHED (HIGH ATLAS MOUNTAINS OF MARRAKECH, MOROCCO)

A. Markhi, N.E. Lafoushi, A. Soulaimani & M. Sadiqi

5/4 11:30 - 13:00

Atmospheric

Chair: A. Aesmann

Room: Tamatos

02-157

RELATIONSHIP BETWEEN ZDR COLUMN PARAMETERS, HAIL SIZE AND AEROSOL CONCENTRATION

A. Khain, E. Holtszvitz & A. Rychkov

02-192

PREDICTING AIR TEMPERATURE SIMULTANEOUSLY FOR MULTIPLE LOCATIONS IN AN URBAN ENVIRONMENT: A BOTTOM UP APPROACH

S. Kaplan, A. Peeters & E. Erell

02-239

EXPLORING THE VERTICAL DISTRIBUTION OF BLACK CARBON OVER ATHENS WITH UNMANNED AERIAL VEHICLES (UAV)

M. Pikridas, C. Kelesidis, S. Bezentaks, G. Demetriadis, E. Liakakou, M. Vrekousis, N. Mihalopoulos & J. Sciare

5/4 11:30 - 13:00

Workshop Defense and Security

Room: Artemis

04-039

ECO-DWARP: SEMANTIC EO DATA WEB ALERT AND RETRIEVAL FRAMEWORK – THE PROJECT OVERVIEW

D. Syzas, C. Papoutsos, K. Themistocleous, V. Karathanassi, S. Boillanos, V. De Pasquale & D.G. Hadjimitsis

5/4 13:00-14:30

LUNCH

5/4 14:30-16:00

Remote Sensing

Chair: L. Barazzetti

Room: Artemis

08-152

EXTRACTION AND MODELLING OF THREE-DIMENSIONAL URBAN OBJECTS FROM VHR SATELLITE STEREOMICRO IMAGING

T. Krauß

08-282

GEOSTATISTICAL ERROR ASSESSMENT OF COARSE SPATIAL RESOLUTION REMOTE SENSING PRODUCTS

N.W. Park & P. Kyriakidis

08-227

PERSISTENT SCATTERER INTERFEROMETRY (PSI) ANALYSIS OF X-BAND AND C-BAND SENTINEL-1 DATA FOR TERRAIN DEFORMATION MONITORING

M. Cuevas-González, O. Mosserrat, M. Crosetto, N. Devanthery & B. Crippa

08-237

MAPPING URBAN AREAS OF PAKISTAN USING NIGHT TIME LIGHT DATA

F. Naseem, Y. Anis & S. Ul Haque

5/4 14:30-16:00

Natural Hazards Special Session

Chair: V. Ambrosio, I. Gitas & K. Makra

Room: Tamatos

09-203

THERMAL MAPPING AS A VALUABLE TOOL FOR ROAD WEATHER FORECAST AND WINTER ROAD MAINTENANCE: AN EXAMPLE FROM THE ITALIAN ALPS


09-184

REMOTE SENSING AND GIS ANALYSES FOR EMERGENCY MANOUVERING AND FORCED LANDING AREAS DEFINITION AS A SUPPORT FOR GENERAL AVIATION FLIGHTS

K. Skočí

09-279

COASTAL CLIFF EROSION MONITORING APPLYING TERRESTRIAL LASER SCANNING IN ZAKINTHOS ISL., GREECE

T. Panagou, T. Hasiotis, A. Velegkakis & E. Olkononou

09-328

USE OF SDDS AND MCDA TO PREPARE FOR DISASTERS OR PLAN FOR MULTIPLE HAZARDS - DECATHROPHIZE

A. Damalas, D. G. Hadjimitsis, C. Mettas & E. Evagorou

09-303

CONTRIBUTION OF EARTH OBSERVATION AND METEOROLOGICAL DATASETS FOR THE DESIGN AND DEVELOPMENT OF A NATIONAL FIRE RISK ASSESSMENT SYSTEM (NFORS)

T. Katagis, D. Bilioittis, C. Lianinioti, I.Z. Gitas & B. Charalampopoulos

5/4 14:30-18:30

Sensing the Past: Remote Monitoring for Archaeology and Cultural Heritage

Chair: R. Lasapana & W. Rzączkowski

Room: Salamis

04-325

FROM SPACE A VISUAL INSPECTION OF Looting AT ARCHAEOLOGICAL SITES

R. Lasapona & N. Masini

04-188

MONITORING ARCHAEOLOGICAL LOOTING FROM SPACE WITH NOVEL VHR X-BAND SAR DATA

D. Tapete & F. Cigna

04-291

SHERLOCK HOMES’ OR DON QUIXOTE’S CERTAINTY? INTERPRETATIONS OF CROPMARKS ON SATELLITE IMAGERY IN ARCHAEOLOGICAL INVESTIGATION

A. Wilgocka, W. Rzączkowski, M. Kostyrko & D. Ruciński

04-283

CAN WE USE G.I.S. AS A HISTORIC CITY HERITAGE MANAGEMENT SYSTEM? THE CASE STUDY OF HERMOLPUS-SYROK

P. Chatzigirgoriou

04-248

ORTHOGONAL EQUATIONS FOR THE DETECTION OF ARCHAEOLOGICAL TRACES DE-MYSTIFIED

A. Agapiou

04-333

THE USE OF OPEN DATA FROM SOCIAL MEDIA FOR THE CREATION OF 3D GEOREFERENCED MODELLING FOR CULTURAL HERITAGE

K. Themistocleous

04-293

CHANGING SCALE: FROM SITE TO LANDSCAPE WITHIN AIRBORNE REMOTE SENSING PERSPECTIVE

W. Rzączkowski, M. Kostyrko & D. Ruciński

16:00-16:30

COFFEE BREAK - POSTER PRESENTATIONS

5/4 16:00-17:30

Remote Sensing for Agriculture

Chair: P. Kyriakidis

Room: Tamatos

01-340

MAPPING SPATIAL-TEMPORAL VARIABILITY IN SOILS FOR SMART AGRICULTURE

B. Muligina, I. Ogéda & C. Ogolla

01-215

STANDARDISED PRINCIPAL COMPONENTS FOR VEGETATION VARIABILITY MONITORING ACROSS SPACE AND TIME

T. Rajan Mathew & V. K. Vohora

01-182

CHARACTERIZING LONG-TERM SPATIAL-TEMPORAL VARIABILITY OF DESERT VEGETATION FUNCTIONAL TYPES USING REMOTE SENSING

S. Kaplan, A. Brael, M. Georgesz & S. Myint

01-250

A DATA FUSION KALMAN FILTER ALGORITHM TO ESTIMATE LEAF AREA INDEX EVOLUTION BY USING MODIS LAI AND PROBA-V TOP OF CANOPY SYNTHESIS DATA

A. Novelli

01-268

IMPACT ANALYSIS OF PANSHARPENING LANDSAT ETM+, LANDSAT DOL, WORLDVIEW2 AND IKONOS IMAGES ON VEGETATION INDICES

D. Jouanović, M. Govedarica, F. Sabo & R. Vukič

01-255

LAND DEGRADATION MONITORING IN BRAILA AGRICULTURAL AREA USING RADARSAT2 DATA

V. Poenaru, A. Badea, I.F. Dana Negula & S. M. Cimeaneu

5/4 16:30 - 18:30

Natural Hazards Special Session

Chair: V. Ambrosio, I. Gitas & K. Makra

Room: Tamatos

09-205

3D SUBSURFACE GEOLOGICAL MODELING USING GIS, REMOTE SENSING AND BOREHOLES DATA

K. Kavoura, M. Konstantopoulos, A. Kyriou, K. Nikolakopoulos, N. Depoutis & N. Sabatakakis

09-319

SYNERGISTIC USE OF GEOSPATIAL AND IN-SITU DATA FOR EARTHQUAKE

M. Zoran, R. Savastri & D. Savastri

09-324

ASSESSMENT OF SEISMIC LOADING ON STRUCTURES BASED ON AIRBORNE LIDAR DATA FROM KALOCHORI URBAN AREA (INDIA MUSA)

E. R-evittis, E. Kiertas, E. Marinis, D. Bliziotis, E. Maltezos, D. Petalas, K. Makra & A. Savvidis

09-276

USING SPATIAL TECHNIQUES AND ANALYTIC HIERARCHY PROCESS FOR DETECTING FOREST DEGRADATION IN BENSILMIME FOREST (MOROCCO)

L. Khalilie, H. Lahlal, H. Rhine, A. Kaoukaya & E. M. Mansour

09-148

ADVANCED PROCEDURES FOR VOLCANIC AND SEISMIC MONITORING. FP7 PROJECT APHORISM

A. Di Iorio & S. Stramondo

5/4 16:30 - 18:30

Sensing the Past: Remote Monitoring for Archaeology and Cultural Heritage

Chair: A. Schmidt & N. Masini

Room: Salamis

04-220

VECTOR PROCESSING AND VISUALISATION OF ARCHAEOLOGICAL GPR DATA

A. Schmidt
A FLOOD OF DATA: INTERPRETING ARCHAEOLOGICAL FEATURES WITHIN A FLUVIAL LANDSCAPE OF SLOWAN COUNTY
E. Banaszek, W. Rączkowski & D. Rusiński

REMOTE SENSING NASCA AQUIFERRS AND GEOGLYPHS IN SOUTHERN PERU
N. Masini & R. Lasaponara

VIDEO: CULTURAL HERITAGE RISK ASSESSMENT AND MONITORING ON THE WEB
N. Done, A. Giovagnoli, C. Cacace & A. Monteleone

AN INTERACTIVE WEBGIS PLATFORM FOR RISK ASSESSMENT IN CULTURAL HERITAGE
A. di tei & M. C. Salvi

EDUCATIONAL USE OF 3D MODELS AND PHOTOGRAMMETRY CONTENT; THE EU EUROPEANA SPACE PROJECT FOR CYPRUS UNESCO MONUMENTS
M. Ioannides, P. Chatzigrigoriou & V. Bokolás

USING MULTI-SPECTRAL IMAGES FROM UNMANNED AERIAL VEHICLES FOR MAPPING ARCHAEOLOGICAL TRACES
N. King, K. Traut & K. Themistocleous

20:00 - 24:00
Social Dinner

Wednesday 6, April, 2016

08:00-17:00
REGISTRATION
Keynote Speaker: Simon Juti, European Space Agency (ESA) "THE EVOLUTION OF THE COPERNICUS SPACE COMPONENT, A GROWING FAMILY"
09:00-13:00
Session Chair: C. Ioannidis
Real Estate - Green & Blue Growth
Chair: C. Ioannidis
Room: Artemis

09:00-13:00
Session Title
INVESTIGATING THE SUSTAINABILITY AWARENESS AND THE VALUATION OF SUSTAINABLE BUILDINGS IN CYPRUS
T. Ioannou & T. Dimopoulos
INTEGRATING VALUATION DATA & SPATIAL INFORMATION FOR THE MASS APPRAISAL OF RESIDENTIAL APPARTEMENTS IN CYPRUS
T. Dimopoulos, T. Labropoulos & D.G. Hadjimitsis
DEVELOPING AN AUTOMATED VALUATION MODEL (AVM) FOR RESIDENTIAL PROPERTIES IN GREECE
E. Andreou, T. Labropoulos & C. Potsiou
UPRAWL IN EUROPEAN URBAN AREAS
P. Prastacos & A. Lagarissi
INTRODUCING NEURAL NETWORK TECHNIQUES ON PROPERTY MASS APPRAISAL: CASE STUDY OF 3,500 APPARTMENTS COMPARABLE EVIDENCE IN NICOSIA
T. Dimopoulos, N. Bakas & D.G. Hadjimitsis

09:00-13:00
Session Title
NATURAL HAZARDS SPECIAL SESSION
Chair: V. Ambrosia, I. Gitas & K. Makra
Room: Tamarissi

NASA-APPLIED SCIENCE PROGRAM: WILDFIRE LAND AND DISASTERS
V. Ambrosia, L. Friedl & A. Soia
THE GREEK NATIONAL OBSERVATORY OF FOREST FIRES (NOFFI)
SATELLITE BASED PRODUCTS FOR FOREST FIRES PREVENTION AND RECOVERY: THE PREFER EXPERIENCE
G. Lanne, L. Fussili, G. Bemini & P. Marialetti
CRITICAL INFRASTRUCUTRE MONITORING USING UAV IMAGERY
E. Maltezos, M. Skitsas, E. Charalampous, N. Koutras, D. Bliotis & K. Themistocleous
GLOBAL MULTI-YEAR BURNED AREA MAPS DERIVED FROM PROBA-V 333M RESOLUTION DATA
K. Tansey, M. Padilla, P. Arellano, A. Bradley, B. Smets, R. Lacaze, D. Wolfs & E. Chuvieco

09:00-13:00
Session Title
SENSING THE PAST: REMOTE MONITORING FOR ARCHAEOLOGY AND CULTURAL HERITAGE
Chair: N. Poulischny & W. Rączkowski
Room: Salamis

GEOHAZARDS AFFECTING UNESCO WHL SITES IN THE UK OBSERVED FROM GEOLOGICAL DATA AND SATELLITE INSAR
F. Cigna, D. Tappe & K. Lee
EARTH OBSERVATION TECHNOLOGIES IN SERVICE TO THE CULTURAL LANDSCAPE OF CYPRUS: RISK IDENTIFICATION AND ASSESSMENT
B. Cuca, M. Tzovarouas, A. Agapiou, V. Lyndrou, K. Themistocleous, A. Nisantzi & D.G. Hadjimitsis
STUDY OF ANTHROPOGENIC AND NATURAL IMPACTS ON ARCHAEOLOGICAL SITES OF THE MEDIEVAL PERIOD (PUBLIC OF TATARSTAN) USING REMOTE SENSING DATA
I. Gainullin, P. Khomyakov, B. Usmanov & A. Shtilkov
EUROPEAN UNSCO CULTURAL HERITAGE SITES AFFECTED BY GEO-HAZARD
B. Spizichino, C. Margottini, E. Brustia, V. Comero, B. Desi, L. Guenteri, C. Iadanaz, A. Trigila & E. Vittori

11:00-11:30
COFFEE BREAK - POSTER PRESENTATIONS

09:00-13:00
Session Title
CROWDSOURCING AND MOBILE SERVICES FOR A FIT-FOR-PURPOSE CADASTRE IN GREECE
M. Geli, K. Apostolopoulos, G. Mourafetis, C. Ioannidis & C. Potsiou
REAL-TIME APPRAISAL OF THE SPATIALLY DISTRIBUTED HEAT RELATED HEALTH RISK AND PROTECTION
I. Keramitsoglou, C. T. Kranoudis & P. Sinmanidis
SMART CITY PLANNING FROM A 'BOTTOM-UP' APPROACH: LOCAL COMMUNITIES' INTERVENTION FOR A SMARTER URBAN ENVIRONMENT
M. Alverti, D.G. Hadjimitsis, P. Kyriakidis & K. Serras
THE NEW GEOGRAPHIC INFORMATION SYSTEM IN ETVIA VI.PE
Z. Kagaras & G. Soulis
HOW THE ECONOMIC RECESSION AFFECTS TO THE SUSTAINABLE ENVIRONMENTAL DEVELOPMENT IN THE PAPHOS DISTRICT AREA CYPRUS
C. Italos, E. Akylas, D. Karidis, D. G. Hadjimitsis
THE INTERRELATIONSHIPS BETWEEN URBAN DYNAMICS AND WATER RESOURCE AND SUPPLY BASED ON MULTITEMPORAL DATA
M. Alida & A. Alida

09:00-13:00
Session Title
STUDY OF SEISMICALLY UPLIFT RADIATION WITH SATELLITES AND MENTAL DISEASES
G.C. Aragostopolous, V. Vassiliadis, M. Basta, A. Rigas & A. Vigontzas
DEVELOPMENT OF A WEB SERVICE FOR THE AUTOMATIC EXTRACTION OF FLOODED AREAS. TEST CASE OF EVROS REGION, ACIRAS AN SI-CLUSTER PROJECT
C. Manesis, D. Bliotis & B. Charalamposopoulos
DROUGHT MONITORING USING REMOTE SENSING TECHNIQUES IN SINDH PROVINCE OF PAKISTAN
B. Gharbi, Z. Rao & M. Arslan
COMBINATION OF SATELLITE AND AIRBORNE REMOTE SENSING DATA FOR DETERMINATION OF ALGAL BLOOM THREAT IN POOL LAKES
K. Skokl & M. Kacprzak

09:00-13:00
Session Title
SENSING THE PAST: REMOTE MONITORING FOR ARCHAEOLOGY AND CULTURAL HERITAGE
Chair: A. Georgopoulos & A. Moropoulou
Room: Salamis

09:00-13:00
Session Title
UAV VS CLASSICAL AERIAL PHOTOGRAMMETRY FOR ARCHAEOLOGICAL STUDIES
K. Nikolakopoulos, K. Soursou, I. Kourkouvelas & N. G. Argyropoulos
AN INNOVATIVE APPROACH TOWARDS SUSTAINABLE DEVELOPMENT CONCERNING THE PROTECTION OF CULTURAL HERITAGE: THE CASE OF CULTURAL ROUTES IN CHIOS ISLAND, GREECE
E. Oikonomoupolou, E. T. Delegou, J. Sayas & A. Moropoulou
CORRELATING DAMAGE CONDITION WITH HISTORICAL SEISMIC ACTIVITY IN UNDERGROUND SEPULCHRAL MONUMENTS OF CYPRUS
N. Kyrnakides, V. Lyndrou & A. Agapiou
GEOPHYSICAL TECHNIQUES AND THEIR APPLICATION TO THE STUDY OF LANDSLIDES IN CYPRUS
B. Tsilimantou, E. Delegou, C. Ioannides & A. Moropoulou
DOCUMENTATION OF CULTURAL HERITAGE SITES USING THE INSPIRE DIRECTIVE
E. Gkafokou & P. Prastacos

13:00 - 18:30
ORGANIZED TRIP - Archaeological Park in Paphos
**THE USE OF SENTINEL 2 IMAGERY FOR SEAGRASS MAPPING: LESVOS ISLAND (GREECE)**

**THE ROUND TABLE DISCUSSION Q&A FROM THE PARTICIPANTS**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:30</td>
<td>THE USE OF SENTINEL 2 IMAGERY FOR SEAGRASS MAPPING: LESVOS ISLAND (GREECE)</td>
</tr>
<tr>
<td>16:45</td>
<td>A PAPER TENTH SEGMENT – EXAMPLE OF DLR CORE AND COLLABORATIVE GROUND SEGMENT</td>
</tr>
</tbody>
</table>

**COFFEE BREAK – POSTER PRESENTATIONS**

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>05-198</td>
<td>THE EARTH OBSERVATION FOR EASTERN MEDITERRANEAN WETLAND IDENTIFICATION, CLASSIFICATION AND INVENTORY</td>
</tr>
<tr>
<td>05-164</td>
<td>BLACK SEA GIS DEVELOPED IN MIH</td>
</tr>
<tr>
<td>03-246</td>
<td>COLLABORATION IN SPACE FOR INTERNATIONAL GLOBAL MARITIME AWARENESS (C-SIGMA)</td>
</tr>
<tr>
<td>03-216</td>
<td>STUDY OF THE WIDE AREA OF A LAKE WITH REMOTE SENSING</td>
</tr>
</tbody>
</table>

**Workshop: “Copernicus contribution to Cultural Heritage”**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30</td>
<td>OVERVIEW OF EUROPEAN EARTH OBSERVATION MISSIONS</td>
</tr>
<tr>
<td>12:15</td>
<td>ACCESS TO COPERNICUS DATA AND CONTRIBUTING MISSIONS</td>
</tr>
</tbody>
</table>

**Workshop: “Copernicus contribution to Cultural Heritage”**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:30</td>
<td>GERMAN EO MISSION CONTRIBUTIONS TO COPERNICUS AND DLR COPERNICUS PROJECTS</td>
</tr>
</tbody>
</table>

**Workshop: “Copernicus contribution to Cultural Heritage”**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:30</td>
<td>ROUND TABLE DISCUSSION, Q&amp;A FROM THE PARTICIPANTS</td>
</tr>
</tbody>
</table>

**Closing Ceremony**

All speakers, moderator: G. Schreier
<table>
<thead>
<tr>
<th>POSTER ID</th>
<th>Title</th>
<th>Authors</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-178</td>
<td>FUSION OF SPATIO-TEMPORAL UAV AND PROXIMAL SENSING DATA FOR AN AGRICULTURAL DECISION SUPPORT SYSTEM</td>
<td>P. Katsigiannis, G. Galanis, A. Diamantakos, N. Tsakiris, C. Kalopézas, T. Alexandridis &amp; G. Zalidis</td>
<td>AGRICULTURE</td>
</tr>
<tr>
<td>01-318</td>
<td>REMOTE SENSING APPLICATIONS FOR ESTIMATING CHANGES ON CROP EVAPOTRANSPIRATION OF THE MOST WATER INTENSIVE CROPS, DUE TO CLIMATE CHANGE IN CYPRUS</td>
<td>G. Papadavid, D. Neocleous, A. Christou, G. Kouintos &amp; D.G. Hadjimitsis</td>
<td>AGRICULTURE</td>
</tr>
<tr>
<td>01-331</td>
<td>VALIDATION OF SATELLITE DATA THROUGH THE REMOTE SENSING TECHNIQUES AND THE INCLUSION OF THEM INTO AGRICULTURAL EDUCATION PROGRAMS</td>
<td>G. Papadavid, G. Kouintos, T. Bournaris, A. Michaelidis &amp; D.G. Hadjimitsis</td>
<td>AGRICULTURE</td>
</tr>
<tr>
<td>02-261</td>
<td>FOUR YEARS LIDAR OBSERVATIONS AND MODEL SIMULATIONS FOR DESERT DUST INTRUSIONS OVER EASTERN MEDITERRANEAN</td>
<td>A. Nisantzi, R.E. Mamouri, S. Basart, J. M. Baldasano, A. Anissimov &amp; D.G. Hadjimitsis</td>
<td>ATMOSPHERIC</td>
</tr>
<tr>
<td>03-290</td>
<td>INVESTIGATION OF SEA SURFACE TEMPERATURE (SST) ANOMALIES OVER CYPRUS AREA</td>
<td>A. Georgiou &amp; N. Alcìt</td>
<td>COASTAL WATERS, OCEAN</td>
</tr>
<tr>
<td>04-218</td>
<td>UNDERSTANDING GEOHAZARDS IN THE UNESCO WHL SITE OF THE DERWENT VALLEY MILLS (UK) USING GEOLOGICAL AND REMOTE SENSING DATA</td>
<td>F. Cigna, A. Harrison, D. Tapete &amp; K. Lee</td>
<td>CULTURAL HERITAGE</td>
</tr>
<tr>
<td>04-306</td>
<td>CRITICAL REVIEW OF USING UAVS IN CULTURAL HERITAGE: APPLICATIONS, CAPABILITIES, PERSPECTIVES AND CONCERNS</td>
<td>K. Themistocleous</td>
<td>CULTURAL HERITAGE</td>
</tr>
<tr>
<td>04-327</td>
<td>DETECTION OF CROP MARKS OF LOOTED TOMBS BY UAV IN ANZ (BASILICATA, SOUTHERN ITALY)</td>
<td>A. Pecci, R. Lasaponara &amp; N. Masini</td>
<td>LAND COVER</td>
</tr>
<tr>
<td>05-159</td>
<td>A METHODOLOGY FOR DESIGNING A GEODATABASE THROUGH A WEBGIS FRAMEWORK FOR DISSEMINATING PROCESSED REMOTELY SENSING ON LAND COVER TRANSFORMATIONS</td>
<td>G. Caradonna, A. Novelli, E. Tarantino, B. Fignito &amp; U. Fratino</td>
<td>GIS</td>
</tr>
<tr>
<td>05-332</td>
<td>ESTIMATION OF THE SPATIAL DISTRIBUTION OF VULNERABILITY OF REINFORCED CONCRETE STRUCTURES IN CYPRUS USING GEOSPATIAL TECHNOLOGIES</td>
<td>A. Christofe, K. Neocleous, K. Themistocleous &amp; C. Danezis</td>
<td>LAND COVER</td>
</tr>
<tr>
<td>06-233</td>
<td>DEMONSTRATIVE POTENTIAL OF MULTITEMPORAL SATELLITE IMAGERY IN DOCUMENTING URBAN DYNAMICS. GENERALISATION FROM THE BUCHAREST CITY CASE</td>
<td>M. Aldea, F. Petrescu, E. Parlow, C. Iacoboaia, O. Luca, M. Sercăianu &amp; F. Gaman</td>
<td>REAL ESTATE BLUE GREEN GROWTH</td>
</tr>
<tr>
<td>06-234</td>
<td>MULTITEMPORAL IMAGE ANALYSIS OF THE GREEN SPACE DYNAMICS. RAISING ISSUES FROM THE BUCHAREST CASE STUDY</td>
<td>F. Gaman, M. Aldea, F. Petrescu, E. Parlow, O. Luca, M. Sercăianu &amp; C. Iacoboaia</td>
<td>REAL ESTATE BLUE GREEN GROWTH</td>
</tr>
<tr>
<td>07-209</td>
<td>THE COMBINED USE OF BUILDING INFORMATION MODELLING (BIM) AND UNMANNED AERIAL VEHICLE (UAV) TECHNOLOGIES FOR THE 3D ILLUSTRATION OF THE PROGRESS OF WORKS IN INFRASTRUCTURE CONSTRUCTION PROJECTS</td>
<td>Y. Vacanas, K. Themistocleous, A. Agapiou &amp; D.G. Hadjimitsis</td>
<td>REMOTE SENSING</td>
</tr>
<tr>
<td>07-210</td>
<td>THE USE OF GNSS AND MOBILE TECHNOLOGIES IN THE COLLECTION OF PRODUCTIVITY RECORDS IN INFRASTRUCTURE CONSTRUCTION PROJECTS</td>
<td>Y. Vacanas, C. Danezis, K. Themistocleous &amp; A. Agapiou</td>
<td>REMOTE SENSING</td>
</tr>
<tr>
<td>08-223</td>
<td>SELECTIVE WASTE COLLECTION OPTIMIZATION IN ROMANIA AND ITS IMPACT TO URBAN CLIMATE</td>
<td>M. Sercăianu, F. Petrescu, E. Parlow, M. Aldea, C. Iacoboaia, L. Orna &amp; F. Gaman</td>
<td>SEISMIC, FLOODING, FIRES, HAZARDS</td>
</tr>
<tr>
<td>08-189</td>
<td>URBAN REMOTE SENSING IN AREAS OF CONFLICT: TERRASAR-X AND SENTINEL-1 CHANGE DETECTION IN THE MIDDLE EAST</td>
<td>D. Tapete &amp; F. Cigna</td>
<td>SEISMIC, FLOODING, FIRES, HAZARDS</td>
</tr>
<tr>
<td>08-320</td>
<td>INTEGRATED REMOTE SENSING FOR MULTI-TEMPORAL ANALYSIS OF URBAN</td>
<td>D. Savastru, M. Zoran &amp; R. Savastru</td>
<td>SEISMIC, FLOODING, FIRES, HAZARDS</td>
</tr>
<tr>
<td>09-254</td>
<td>FOCUSED SUNLIGHT FACTOR OF FOREST FIRE DANGER ASSESSMENT USING WEB-GIS AND RS TECHNOLOGIES</td>
<td>N. Baranovskiy, V. Shenshnyov, E. Yankovich, M. Engel &amp; V. Belov</td>
<td>SEISMIC, FLOODING, FIRES, HAZARDS</td>
</tr>
<tr>
<td>09-315</td>
<td>REMOTE MONITORING AS A TOOL IN CONDITION ASSESSMENT OF A HIGHWAY BRIDGE</td>
<td>E. Tantele, R. Votsis, T. Onofriou, M. Mills &amp; G. Kareklas</td>
<td>SEISMIC, FLOODING, FIRES, HAZARDS</td>
</tr>
<tr>
<td>09-316</td>
<td>CLASSIFICATION OF CORROSION RISK ZONES USING GIS</td>
<td>N. Georgiou, C. Anastasiou, E. Tantele, R. Votsis &amp; C. Danezis</td>
<td>SEISMIC, FLOODING, FIRES, HAZARDS</td>
</tr>
</tbody>
</table>
Fourth International Conference
on Remote Sensing and Geoinformation of Environment

4-8 April 2016, Paphos, Cyprus

www.cyprusremotesensing.com/rscy2016/

PLATINUM SPONSORS:
- NetU
- ESA (European Space Agency)

GOLD SPONSORS:
- Hexagon Geospatial
- GeoSystems Hellas

SPONSORS:
- Aditess
- KEMEA
- Spectra Vista Corporation (SVC)
- Agisoft
- QuestUAV
- GIM
- IMAGESAT - BOREALIS SAT

SUPPORTERS:
- Athena
- Clima
- Prothego
- Copernicus
- Smart Events
- SODAP

Platinum Sponsors:

Gold Sponsors:

Sponsors:

Supporters:

ISBN # 978-9963-697-20-5
© 2016

Published by the Cyprus Remote Sensing Society on behalf of RSCy 2016