

5th International Workshop of the EARSeL Special Interest Group "Geological Applications" Remote Sensing and Geology "Surveying the GEosphere"

Thu, 19 Jun 2014 **2014-06-19**

08:00 2014-06-18, 18:-22:30 Gala Dinner (Bristol Hotel)
65 EUR/person, for full-payment participants the Gala Dinner is free of charge

09:00 Opening Session
room 105

09:15 GEOHAZARDS I
room 105

Semi-automated mapping of landslide changes in Taiwan by means of object-based image analysis

Daniel Hölbling, Barbara Friedl, Clemens Eisank

09:15 - 09:35

Terrain motion of selected abandoned hard coal mines at the north-eastern part of the Upper Silesian Coal Basin (Southern Poland) in a view of SAR interferometric data.

Marek Graniczny, Zbigniew Kowalski, Maria Przylucka, Albin Zdanowski, Karsten Zimmermann

09:35 - 09:55

Rockfall risk evaluation using geotechnical survey, remote sensing data and GIS. A case study from western Greece.

Konstantinos G. Nikolakopoulos, Nikolaos Depountis, Nikolaos Vagenas, katerina Kavoura, Eleni Vlachaki, George Kelasidis, Nikolaos Sabatakakis

09:55 - 10:15

Seismic precursors and climate fluctuations assessment through time series geospatial and in-situ monitoring data

Maria A Zoran, Roxana S Savastru, Dan M Savastru

10:15 - 10:35

Coffee Break

10:45 - 11:00

11:00 POSTER SESSION
7 posters

Landsat ETM+ Digital Image Processing Techniques for Lithological Enhancement, Along Qena – Safaga Road, Eastern Desret, Egypt

Abdelrahman Khalifa, Ziyadin Cakir

11:00 - 11:03

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Investigating strong mining-induced ground subsidence with X-band SAR interferometry in Upper Silesia in Poland

Maria Przylucka, Marek Graniczny, Gerardo Herrera

11:03 - 11:06

Wytych Farm Oilfield: Evaluation of ISBAS Approach for Oil Production

Anna Klimkowska

11:06 - 11:09

GEOARCHAEOLOGICAL OBSERVATIONS IN THE WIDER AREA OF NEMEA USING AIRPHOTOS AND GIS

KONSTANTINA MEXIA

11:09 - 11:12

Landside Inventory using a GISMA system extended with statistical adaptive methods

MARIA KORDOULI, KATERINA KAVOURA, KONSTANTINOS

NIKOLAKOPOULOS, NIKOLAOS SABATAKAKIS

11:12 - 11:15

Using multi-temporal airborne laser scanning data and the GIS spatial analyses for the study of the morphodynamic processes of the southern Baltic coast (Wolin Island, Baltic Sea, Poland).

Joanna Dudzińska-Nowak, Piotr Weżyk

11:15 - 11:18

Combining geotechnical modeling and persistent scatterers interferometry for landslide study in a small scale inhabited area

Issaak Parcharidis, Constantine Stamatopoulos, Michael Foumelis,

George Benekos, Lydia Balla

11:18 - 11:21

11:30 **HYPERSPECTRAL**

room 105

Using synthetic mixtures of rocks and lichens for detecting the spectral properties of gossans in the Cape Smith Belt, northern Quebec, Canada

Kati Laakso, Benoit Rivard, Derek Rogge

11:30 - 11:50

Hyperspectral Satellite Sensors for Mineral Exploration, new applications to the EnMAP Mission

Christian Mielke, Nina Boesche, Christian Rogass, Hermann Kaufmann

11:50 - 12:10

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Sub pixel mapping of alteration minerals using SOM neural network model and Hyperion data

Mohammad Hassan Tayebi, Majid H Tangestani

12:10 - 12:30

High resolution remote sensing stereo-data and GIS for open-pit mine monitoring

Nikos G. Argyropoulos, Konstantinos G. Nikolakopoulos, Konstantina

Dimitropoulou

12:30 - 12:50

Lunch

13:00 - 14:00

14:00 **GEOHAZARDS II**

room 105

High resolution space- and air-borne multispectral data combined with borehole information provide insight on slope hydrogeology and seasonal landslide activity

Janusz Wasowski, Marina Dipalma Lagreca, Caterina Lamanna, Guido

Pasquariello

14:00 - 14:20

Surface displacements of the 2014 Cephalonia (Greece) earthquake using high resolution SAR Interferometry

George Benekos, Konstantinos Derdelakos, Christos Bountzouklis, Penelope

Kourkouli

14:20 - 14:40

Appraisal of the damages caused by the 12th January 2010 Haiti earthquake by ASTER multitemporal imagery analysis

STAVROULA KANAKAKI, Issaak Parcharidis, Maurizio Poscolieri

14:40 - 15:00

Assessing the quality of DSM from ALOS optical and radar data for Hydrological Applications

Konstantinos G. Nikolakopoulos, Christos Choussiafis

15:00 - 15:20

Coffee Break

15:30 - 16:00

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16:00 GEOLOGY - GEOMORPHOLOGY

room 105

The identification of hydrothermal alteration zones in Kösedag Magmatics (Sivas/TURKEY) using ASTER imagery

Kaan Şevki KAVAK, Zeynel BAŞIBÜYÜK, Hüseyin YALÇIN, Ömer BOZKAYA

16:00 - 16:20

Geomorphologic processes of Tigris river and their environmental impacts Using Landsat 8 Dr azhar Abbas Hasan

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16:20 - 16:40

Fluvial landforms classification using Object-Based Image Analysis

Paweł Piekarski

16:40 - 17:00

Lineament analysis in northern Colombia, South America.

Mauricio Baquero, Camilo Montes, German Bayona

17:00 - 17:20

Refining of geomorphological maps of young glacial areas based on geoinformatics and remote sensing

Karolina Orłowska, Adrian Ochtyra, Adriana Marcinkowska, Elzbieta

Wolk-Musiał, Bogdan Zagajewski

17:20 - 17:40

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18:30 Social Dinner (Kompania Piwna, Podwale 25, Warszawa (Old Town))
35 EUR/person

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Fri, 20 Jun 2014 **2014-06-20**

09:00 TRAINING
room 105
Coffee Break
10:45 - 11:15

11:15 TRAINING
Closing Session
room 105
12:45 - 13:00
Lunch
13:00 - 14:00