

Day 1 - Tuesday, 11 December 2012

08:30-09:30	Registration & Coffee	
09:30	Welcome	Welcome + Introduction to the GRSG, Chair: Jason Manning (GRSG / Arup)
AM1	Advances & New Technology	Session Chair: Robin Coackley (GRSG / Exelisvis, UK)
09:40	Jérôme Soubirane (Astrium Services, France)	Pleiades/SPOT6-7 constellation
10:00	Oliver Zimmerman (Intergraph/ERDAS)	The Hexagon Advantage: The Dynamic GIS – Introducing the ERDAS IMAGINE Spatial Modeler
10:20	Subhasis Kesh (University of Petroleum & Energy Studies, India)	Application of SAR Images to Develop the Calculation of Sea-Truth of Methane Flux to the Atmosphere mainly due to Gas Hydrate
10:40	Francois Ayoub (Imagin' Labs & Caltech, USA)	Measuring Mars sand flux seasonality from a time series of images
	Coffee Break 1	
AM2	Mapping Terrain & Bathymetry	Session Chair: Dietmar Backes (GRSG / UCL, UK)
11:30	David Critchley (Proteus)	Validation results of Satellite Derived Bathymetry (SDB) projects using WorldView-2 imagery – case studies
11:50	Pieter Vermeesch (UCL, UK)	Measuring dune velocity and sand flux with COSI-Corr
12:10	Mike King (FNPA, UK)	The use of Satellite Remote Sensing for Offshore Environmental Benchmarking
	Lunch	
PM1	Oil & Gas 1	Session Chair: Peter Hausknecht (OGEO / Woodside Energy, Australia)
13:30	Ian MacInnes (Digital Globe International)	Creating value from satellite imagery in the oil and gas industry
13:50	Andrew Hart (Atkins, UK)	The use of remote sensing for mapping and assessing Terrain-related Geo-engineering issues
14:10	Anton Filatov (Immanuel Kant Baltic Federal University, Russia)	Using of SAR data and InSAR techniques for long term monitoring of oil and gas fields and power engineering infrastructure in Western Siberia
14:30	Marco Basilico (Treuropa, Italy)	Advanced Satellite Interferometry for Reservoir Management: Onshore Applications and Offshore Perspectives.
14:50	Sanaz Salati (ITC, Netherlands)	Spectral and chemical characterization of onshore hydrocarbon seeps-induced alterations in evaporite and marly limestone formations: a laboratory experiment
	Coffee Break 2	
PM2	Oil & Gas 2	Session Chair: Peter Hausknecht (OGEO / Woodside Energy, Australia)
15:45	María Julia Yagüe Ballester (GMV)	EO Environmental Sensitivity Index for Oil Industries
16:05	Peter Hausknecht (OGEO & Woodside Energy Ltd, Australia)	Oil and Gas Earth Observation (OGEO) update
16:25	Conrad Wright (SpecTIR) & Lori Wickert (Newmont Mining)	GRSG North America update
16:35	GRSG AGM	The Geological Remote Sensing Group Annual General Meeting
17:30	Wine Reception	The Geological Society Sponsored by Spatial Energy

Day 2 - Wednesday, 12 December 2012

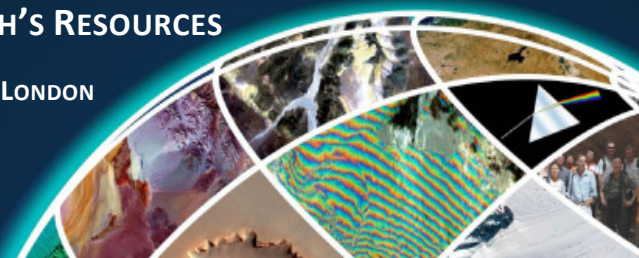
Engineering Group & GRSG		
08:30	Registration & Coffee	
09:00	Welcome	Welcome + Introduction to Engineering Group & GRSG Jason Manning (GRSG / Arup, UK)
09:05	David Entwisle (Engineering Group / BGS)	Introduction by the Engineering Group
09:10	Marcel Van Loon (EAGE)	European Association of Geoscientists and Engineers (EAGE)
AM1	Overview of Remote Sensing for Engineering Applications	Session Chair: David Entwisle (Engineering Group / BGS, UK)
09:15	Jason Manning (Arup, UK)	Risk reduction by use of remote sensing tools - the example of seismic hazard assessment
09:35	Speaker: Clive Farquhar (Logica, UK)	The LiveLand Project: using EO and space technology to assess and monitor landslide and subsidence hazard
09:55	David Boon (BGS, UK)	The application of remote sensed data for landslide hazard assessment for engineering and planning purposes: a UK perspective
10:15	Alessandro Novellino (University of Naples, Italy)	Landslides monitoring integrating spectroscopy and radar remote sensors
	Coffee Break 1	
AM2	Engineering Applications & Geohazards 1	Session Chair: Charlotte Bishop (GRSG / BGS, UK)
11:10	Marco Basilico (Treuropa, Italy)	Satellite radar interferometry for engineering applications
11:30	Sébastien Leprince (Imagin' Labs & Caltech, USA)	The COSI-Corr tools: Emerging techniques to monitor and quantify ground deformation using high resolution optical imagery and multi-temporal LIDAR
11:50	Maria de Farago (Altamira, Spain)	Advantages of using InSAR technology to monitor civil engineering infrastructures
12:10	Peter Hobbs (BGS)	Some engineering geological applications for terrestrial LIDAR
	Lunch	
PM1	Engineering Applications & Geohazards 2	Session Chair: Luke Bateson (GRSG / BGS, UK)
13:30	Moh Syafiudin (University of Nottingham, UK)	Multi Frequency Satellite SAR Interferometry Applied to Land Subsidence Monitoring in Bandung Basin, Indonesia
13:50	Andy Sowter (University of Nottingham, UK)	Land Motion Observed by DInSAR in the South Derbyshire and Leicestershire Coalfield
14:10	Andrew Singleton (University of Glasgow, UK)	Monitoring landslides in the Three Gorges region, China, using multiple SAR images
14:30	Speaker tbc (BGS, UK)	Geohazards in Greater London identified from geological and Persistent Scatterers data
14:50	Francesca Cigna (BGS, UK)	Towards nationwide monitoring of geohazards with InSAR technologies: feasibility mapping over the landmass of Great Britain
	Coffee Break 2	
PM2	Environmental Applications	Session Chair: Cornelia Glaesser (University of Halle, Germany)
15:45	Mathias Leidig (Portsmouth University, UK)	Low-cost geoinformatic approaches to assess coastal hazards
16:05	Marc Goossens (Geosense, Netherlands)	Environmental impact monitoring using spectral characteristics of vegetation & soils in the Karabash Smelter area, Mednogorsk, Central Urals.
16:25	Christian Fischer (DLR, Germany) & Stephane Chevrel (BRGM, France)	EO based product development for mining environments – Progress results from the EO-MINERS project
16:45	Cornelia Glaesser (University of Halle-Wittenberg, Germany)	Detection of pH values in sediments in abandoned open cast lignite mine sites using hyperspectral remote sensing data
18:30	Reception & Conference Dinner (by reservation, payment required)	Royal Over-Seas League (ROSL) Sponsored by ERDAS

MONITORING AND MANAGING THE EARTH'S RESOURCES

11 – 13 DECEMBER 2012, THE GEOLOGICAL SOCIETY, LONDON

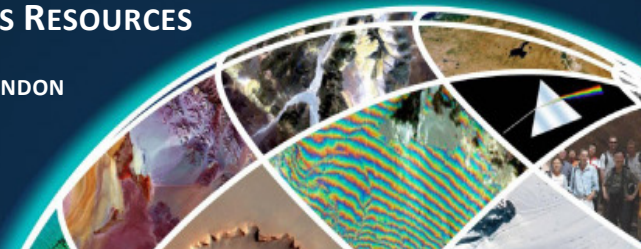


Geological Remote Sensing Group



Day 3 - Thursday, 13 December 2012

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08:30-09:00	Registration & Coffee	
09:00	Welcome	Welcome + Introduction to the GRSG
AM1	Geological Mapping	Session Chair: Friedrich Kuehn (BGR)
09:10	Jason Howse (Itres, Canada)	ITRES hyperspectral & thermal mapping systems and their applications to mapping surface geology and monitoring resource extraction infrastructure
09:30	Fitriani Agustin (ITC, Netherlands / Geological Survey of Indonesia)	Kalimantan geological features interpreted on remote sensing data
09:50	Andrea Friese (BGR, Germany)	Geothermal Exploration using Airborne Thermal Survey over the Silali Geothermal Prospect, Kenya
10:10	Malcolm Whitworth (University of Portsmouth, UK)	Landslide susceptibility assessment for the Toktogul region of Kyrgyzstan, Central Asia
	Coffee Break 1	
AM2	Mineral Exploration	Session Chair: Eric Peters (GRSG / Independent Consultant, UK)
11:05	Dean Riley (SpecTIR, USA)	Initial comparison of mineral mapping simultaneously collected hyperspectral short-wave infrared (SWIR) and long-wave infrared (LWIR) data over Cuprite, Nevada.
11:25	Lori Wickert (Newmont Mining, Canada)	Ground Truthing & Spectral Geology Validation in Mineral Exploration - Challenges & Opportunities
11:45	Frank VanRuitenbeek (ITC / University of Twente, Netherlands)	Mapping the Metamorphic Grade of Volcanic Rocks of an Archean Granite-Greenstone Belt with Near-Infrared Spectroscopy
12:05	Dietmar Backes (UCL, UK)	Future directions (trends) of remote sensing data
	Lunch	
PM1	Hyperspectral	Session Chair: Conrad Wright (SpecTIR, USA)
13:30	Alex Fortescue (Southern Mapping, South Africa)	Airborne Hyperspectral Applications in Southern Africa
13:50	David Coulter (Consulting Geologist, USA)	Hyperspectral mapping of the Sirwa region, Anti-Atlas Mountains, Morocco
14:10	James Anderson, (University of Utah, USA)	Pylosilicate Mapping of Southern Noctis Labyrinthus, Mars using CRISM Multispectral & Hyperspectral Data
14:30	Petri Nygrén (Specim, Finland)	Full-spectrum VNIR and SWIR hyperspectral imager in a single instrument
	Coffee Break 2	
PM2	UAV / Thermal	Session Chair: Marc Goossens (Geosense, Netherlands)
15:30	Marc Goossens (Geosense, Netherlands)	Integrated analysis of WV2, Hyperspectral and UAV imagery for environmental monitoring in Rosia Montana, Romania
15:50	Stefania Amici (INGV, Italy)	Volcanic environments monitoring by drones: mount Etna and mud volcano case studies
16:10	Jason Howse (Itres, Canada)	Using the TAB1800 thermal system for the monitoring and remote detection of underground coal fires in a variety of environments
16:30	Speaker tbc (Land Surveys, Australia)	Trials of a compact UAV AP and DEM survey with matching scale ground control
17:00	Conference Close	
	After-glow	The Captain's Cabin



Posters	
El Abri Amani (Sultan Qaboos University, Oman)	The application of ASTER remote sensing data to chromite bearing mineralized zones of Wadi Fizah ophiolite in Northern Oman
Nasos Argyriou (Portsmouth University, UK)	Application of SRTM-based geomorphometrics to characterize neotectonic deformation
Lee Jones & Peter Hobbs (BGS, UK)	Mobile Dynamic Applications for Ground-Based Geomatics
Elspeth Robertson (Bristol University, UK)	Volcanic unrest in Kenya: A satellite perspective
Sadhvi Selvaraj and Michael Hall (Astrium Geo-Information Services, UK)	Hydrocarbon Exploration and Development in Kurdistan; Insights from Remote Sensing Data
Thomas Web (University of Reading, UK)	Effective atmospheric modelling for space geodesy

Exhibitors – Lower Library & Council Room		
	Analytik	LL
	Digital Globe	CR
	ERDAS	LL
	Fugro NPA	LL
	Geosense	CR
	Itres	CR
	Mapping Solutions	CR
	Spatial Energy	LL
	SPECIM	LL
	SpecTIR	LL
	Spectral Evolution	LL

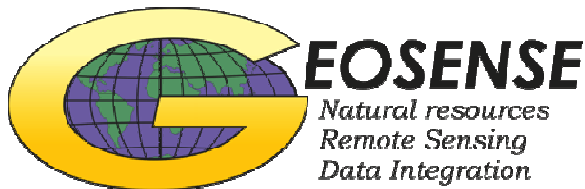
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