

RSPSoc 2013 Conference Glasgow Programme – Draft (18/8/13)		
Tuesday 3rd September, 2013		
09:00 – 17:00	NERC ARSF WORKSHOP Rooms 412/413 School of Geographical and Earth Sciences, University of Glasgow, G12 8QQ	
16:00 – 20:00	Early Registration & Help Desk	Hilton Glasgow Grosvenor Hotel, Great Western Road, Glasgow, G12 0TA
19:30 onwards	Informal Social Gathering for early arrivals	Hospitality Services TBC , University of Glasgow, G12 8QQ
Wednesday 4th September, 2013		
08:00 – 17:00	Registration, Help Desk and Welcome Coffee Hilton Glasgow Grosvenor Hotel, Glasgow, G12 0TA	
08:00 – 09:10	Shuttle from Queen Margaret Hall to Hilton Glasgow Grosvenor Hotel	
09:30 – 10:00	Conference Opening and Welcome, Grosvenor Suite	
10:00 – 11:00	Keynote Speaker 1: Dr A Stewart Walker, BAE-Systems Grosvenor Suite	
11:00 – 11:15	Tea/Coffee Break – Terrace Bar, Exhibitors' Space	
11:15 – 13:00	Session 1A – Grosvenor Suite HYPERTEMPORAL DATA and THEIR APPLICATIONS chair: <i>Doreen Boyd</i>	Session 1B – Grosvenor Suite USING LONGER WAVELENGTHS chair: <i>Luke Bateson</i>
	1. I Nitze, B Barrett, F Cawkwell, S Green, P Hallahan (UC Cork, Teagasc-Ireland, OSi) "Inventory assessment of grasslands in Ireland using hyper-temporal optical data".	1. A Singleton, Z Li, T Hoey and S Wheeler (University of Glasgow) "Understanding the controlling factors of slow-moving landslides connected to the Three Gorges Reservoir, China".
	2. DS Boyd et al (University of Nottingham) "Phenology metrics from close-range remote sensors: Exploiting the Traffic Camera Network".	2. M Ahsan Mahboob, J Iqbal and I Atif (National University of Sciences and Technology, Pakistan) "Modelling and Simulation of Glacier Avalanche: A case study of Gayari Sector Glaciers Hazards Assessment"
	3. H Balzter (University of Leicester) "Challenges and opportunities in using the NovaSAR-S mission for REDD+ enforcement, monitoring and verification".	3. EY Ogunbadewa (Adekunle Ajasin University – Nigeria) "Active fire and biomass burning detection with near real-time MODIS satellite data and geographical information systems".
	4. G. Homes (DMCii) "DMC constellation approach to Hypertemporal RS".	4. J Nichol, T-P Hang (Hong Kong Polytechnic University) "Remote Sensing and Dynamic Modelling for Climate Change Predictions".
	5. FM Danson (Salford University) "Hyper-temporal Remote Sensing: Fact or Fiction?"	5. H Sadeq, J Drummond (University of Glasgow) "Detecting Building Footprints"
13:00 – 14:00	Lunch – Terrace Bar, Exhibitors' Space	
14:00 – 15:15	Session 2A – Botanic Suite LiDAR DATA & TERRESTRIAL LASERSCANNING chair: <i>Nick Tate</i>	Session 2B – Botanic Suite UAVs, EMERGING PLATFORMS and SENSORS chair: <i>D Donoghue</i>

	1. Alexandra Kilcoyne, Peter Bunting and Richard Lucas (Aberystwyth University) “The production of a fire risk map through the classification of the vertical vegetation structure using airborne LiDAR”.	1. Sir Martin Sweeting, D Hodgson, P Yi, (DMCii) “Next generation of DMC small satellite sensors for constellations and services”.
	2. Peter Bunting, Richard Lucas and John Armston (Aberystwyth University, University of Queensland) “Change in species composition and structure of a savannah woodland over 9 years using LiDAR and Hyperspectral data”.	2. C Cahalane, T McCarthy (National University of Ireland, Maynooth) “UAS flight planning – an initial investigation into the influence of VTOL UAS mission parameters on orthomosaic and DSM accuracy”.
	3. MJ Sumnall, RA Hill and SA Hinsley (Bournemouth University, CEH-Crowmarsh Gifford) “Forest condition Assessment using integrated airborne hyperspectral and LiDAR data”	3. P Marshall, D Holland (OSGB) “Ordnance Survey’s experiences with large format digital cameras since 2005”.
	4. R Gaulton, S Hancock, FM Danson (Newcastle University) “Measuring forest canopy moisture content with dual-wavelength terrestrial laser scanning”.	4. M Tuohy, M Irwin, L Vescovo, S von Bueren, P McVeigh (Massey University, New Zealand and Fondazione Emund Mach, Italy) “UAV-mounted sensors at work on the farm and in the high country; the New Zealand Experience”
	5. L Walker, FM Danson, NS Entwistle (University of Salford) “Characterising Forest Canopies and Improving Measurements with Salford Advanced Laser Canopy Analyser (SALCA)”.	5. A Woodget, F Visser, I Maddock, P Carbonneau, E Habit (University of Worcester, University of Durham, University of Concepcion – Chile) “High resolution remote sensing from an unmanned aerial vehicle for assessing fluvial topography”.
15:15 – 15:30	Tea/Coffee Break – Terrace Bar, Exhibitors’ Space	
15:30 – 17:00	Session 3A – Grosvenor Suite LAND USE and LAND COVER chair: TBC	
	1. B Barrett, I Nitze, F Cawkwell, S Green, P Hallahan (UC Cork, Teagasc-Ireland, OSi) “Improving grassland inventories in Ireland – the contribution of multi-temporal radar data”.	
	2. B Cole, J McMorrow, M Evans, J Walker (University of Leicester, University of Manchester, Moors for the Future Partnership) “Empirical modelling of vegetation abundance of upland plant functional types from hyperspectral data for peatland restoration monitoring”	
	3. A Mobasheri (ITC, Netherlands) “Evaluation of contextual and pixel-based approaches in classifying remote sensing images for classification of agricultural land cover”.	
	4. CR Lavers (University of Plymouth) “Use of high resolution NDVI and Temporal satellite Imagery in Change Detection for Assessment of Mining, Construction, Environmental and Ethnic Impact”	
17:00	Shuttle to Queen Margaret Hall from Hilton Glasgow Grosvenor Hotel	
18:00	Assemble at Hilton Hotel or Queen Margaret Hall for coaches to City Chambers	
18:30 – 20:15	Civic Reception and Buffet Dinner	
20:30	Return coaches to Hilton Hotel or Queen Margaret Hall	

Thursday 5th September, 2013	
08:00 – 17:00	Registration, Help Desk and Welcome Coffee Hilton Glasgow Grosvenor Hotel, Glasgow, G12 0TA
08:00 – 09:10	Shuttle from Queen Margaret Hall to Hilton Glasgow Grosvenor Hotel
09:15 – 11:00	Session 4A – Grosvenor Suite TECHNIQUES and OPERATIONAL PROCEDURES chair: <i>Alastair Graham</i>
	1. P Bunting, D Clewley (Aberystwyth University, University of Southern California) “The Remote Sensing and GIS Software Library”
	2. K Marsh (STFC) “The CEDA Archive: Data, Services and Infrastructure”
	3. AP Cracknell, KD Kanniah, KP Tan (University of Dundee, UTM-Malaysia) “The use of oil palm estates in peninsular Malaysia for the validation of MOIS Gross Primary Productivity (GPP) and Net Primary Productivity (NPP) for the humid tropics”.
	4. A Graham (Freelance Consultant, TOPSIG convenor) “Dealing with remotely sensed data: you know what you want but how o you get it, store it and process it?”
11:00 – 11:30	Tea/Coffee Break – Terrace Bar, Exhibitors’ Space
11:30 – 12:30	Keynote Speaker 2: Craig Clark MBE Clyde-Space Grosvenor Suite
12:30 – 13:00	Vendor Session
13:00 – 14:00	Lunch – Terrace Bar, Exhibitors’ Space
14:00 – 15:30	Session 5A – Grosvenor Suite MIXED PLATFORMS chair: <i>Ross Hill</i>
	1. C Munyati (North West University – South Africa) “Using historical high spatial resolution SPOT imagery and aerial photography to assess trends in woody vegetation cover in the Kruger National Park, South Africa”.
	2. H Costa, GM Foody (University of Nottingham) “Incorporating user requirements into the assessment of image segmentations used in object-based classification”.
	3. F Alsghair, JE Drummond, K Murphy (University of Glasgow) “Using medium resolution satellite imagery and aerial photography, in the GIS environment, to assess trends in woody vegetation incursion into UK wetlands”.
	4. AM Hamruni, MJ Smith (University of Almergib, University of Nottingham) “Automatic Integration of Terrestrial and Oblique Images in 3-D Modelling”.
15:30 – 16:00	Poster Session Tea/Coffee Break – Kibble 1&2
16:00 – 17:00	RSPSoc AGM Botanic Suite
17:00 – 18:40	Shuttle to Queen Margaret Hall from Hilton Glasgow Grosvenor Hotel and return to Oran Mor (which is just across Byers Road from the Hilton)
19:00 – 19:30	Taylor and Francis Drinks Reception and Awards Ceremony at Oran Mor
19:30 – 21:30	Conference Dinner at Oran Mor
21:30 – 23:30	Ceilidh with Stravaig at Oran Mor
23:00 – 24:00	Shuttle to Queen Margaret Hall from Oran Mor

Friday 6 th September, 2013		
08:00 – 17:00	Registration, Help Desk and Welcome Coffee Hilton Glasgow Grosvenor Hotel, Glasgow, G12 0TA	
08:00 – 09:10	Shuttle from Queen Margaret Hall to Hilton Glasgow Grosvenor Hotel	
09:15-11:00	Session 6A – Grosvenor Suite HERITAGE (PLUS) chair: <i>Keith Challis</i>	
	1. EA Norton, A Ford, P Cheetham (Bournemouth University) “The prospection of mass graves: A multi-platform approach”.	
	2. DMJ McCarthy, JH Chandler, A Palmeri (Loughborough University) “Monitoring vibrations in structures using long-exposure blurred images”.	
	3. H Papworth, A Ford, K Welham, D Thackray (Bournemouth University, National Trust) “The assessment and application of historic stereo aerial photographs for evaluating archaeological earthwork reconstruction”.	
	4. W Hanson (University of Glasgow) “The archaeological potential of historical aerial and satellite imagery: case studies from Romania”	
10:45 – 11:15	Poster Session Tea/Coffee Break – Kibble 1&2	
11:15 – 12:30	Session 7A – Grosvenor Suite MARINE, OCEANOGRAPHY and HYDROGRAPHY chair: <i>Bob Brewin</i>	Session 7B – Botanic Suite SAR and IfSAR chair: <i>Zhenhong Li</i>
	1. D Campbell (APEM Ltd.) “The use of ultra-high resolution aerial imagery for sea bird and marine mammal species identification and population modelling”.	1. P Rodriguez-Veiga, H Balzter, SCM Brown, A Lamb, RK Ningthoujam, B Spies, K Tansey (University of Leicester) “Sensitivity of high-resolution S-band SAR backscatter to forest parameters”.
	2. A Eljabri, C Gallagher (Glasgow Caledonian University) “Developing integrated remote sensing and GIS procedures for oil spills monitoring at the Libyan coast”.	2. S Hobbs, B Snapir (Cranfield University) “Applications for Geosynchronous SAR Imaging”
	3. SJ Lavender and MA Noernberg (Pixalytics Ltd, Federal University of Paraná, Plymouth University) “Comparison of various atmospheric correction techniques applied to HICO imagery from a subtropical estuarine region in Brazil.	3. J Wheeler, K Tansey, H Balzter (University of Leicester) “Creating an improved forest cover map of the Congo basin using Synthetic Aperture Radar (SAR)
	4. C Francoz (Northlight) “Terrestrial laserscanning in a coastal area”	4. Zhiwei Zhou, Zhenhong Li, S Waldron, T Akiko (University of Glasgow, Geological Survey of Japan) “Monitoring Restoration Effects on Peatlands in Kalimantan Indonesia using INSAR time series”.
12:30 – 13:00	Chairman’s Half Hour – GROSVENOR SUITE	
13:00 – 14:00	Lunch – Tea/Coffee - Terrace Bar	
14:00 – 14:30	Close – GROSVENOR SUITE	

POSTERS

- 101. M Black, A Fleming, T Riley, G Ferrier, P Fretwell, J McFee, S Achal, A Umana Díaz** (BAS, University of Hull, Defence Research and Development – Canada, ITRES Research Ltd – Canada) “The applicability of radiative transfer models for atmospherically correcting airborne hyperspectral data in Antarctica”.
- 102. B Cole, H Balzter, G Smith, B Ogutu, D Palmer (University of Leicester)** “Copernicus Land Monitoring service: the production of pan-European components. A progress update of mapping land cover change in the UK”.
- 103. PT Fretwell, IJ Staniland, J Forcada (BAS)** “Remote Sensing the right whale”.
- 104. CR Lavers (Royal Naval College)** “Use of timed-series remote web camera imagery to generate temporal NDVI for developing change detection methods with long term statistical analysis”.
- 105. Lianying Li, Jian Dong, Xiaolan Xu, Yukun Li (University of Glasgow, Wuhan University – China)** “Merging multisource information to update road map”.
- 106. C Marston, S Reynolds, DM Wilkinson, H O’Regan (LJM University, University of Nottingham)** “Quantifying the mosaic: remote sensing analysis of modern analogues for African palaeoenvironments”.
- 107. R Momeni, P Aplin, D Boyd (University of Nottingham)** “A simple experiment to test the potential of WorldView – 2 imagery for urban land cover classification: a comparison of spatial, spectral and classifier characteristics”.
- *108. RK Ningthoujam, H Balzter, K Tansey, P Rodriguez-Veiga, S Brown, B Spies, A Lamb (University of Leicester, Astrium Geoinformation Services)** “Potential of high-resolution S-Band SAR for forest cover classification”.
- 109. D Ozturk, F Kilic (Ondokuz Mayıs University - Turkey, Yildiz Technical University – Turkey)** “Analysis of Temporal Changes in Samsun-Turkey Vegetation by using different vegetation indices and comparison of vegetation indices”.
- 110. G Petropoulos, TN Carlson (University of Aberystwyth, Pennsylvania State University – USA)** “Retrievals of Evapotranspiration Rates from the synergy of medium resolution EO data and a 1D SVAT model: validation results from selected European sites”.
- 111. G Petropoulos, A Mates (University of Aberystwyth)** “Validating soil moisture operational estimates from SMOS MIRAS at selected ecosystems in Europe using in-situ measurements from ground measurement networks”.
- 112. Lingquan Zhou (University of Southampton)** “Decadal changes in land surface phenology over China”.
- 113. M Arbelo, M Labrador-Garcia, A Alonso-Benito, L Nunez-Casillas, PA Hernandez-Leal, S Idbraim, D Mammass (GOTA – Spain, Universidad de La Laguna – Spain, GMR Canarias – Spain, IRF-SIC – Morocco)** “Monitoring Moroccan palm groves by remote sensing techniques”.
- 114. D Ozturk, F Kilic (Ondokuz Mayıs University – Turkey, Yildiz Technical University – Turkey)** “Analysing the effects of land use/land cover changes on rainfall-runoff by using remote sensing and GIS – a case study: South Marmara Basin”.