



## RSPSoc ASM 2008 Programme

### **Sunday, 9<sup>th</sup> March 2008**

- 19:00 Informal welcome at Foxlease
- 19:30 Pub dinner at 'The Crown Stirrup'

### **DAY 1: Monday, 10<sup>th</sup> March 2008**

- 09:30 Registration opens; Tea & Coffee
- 10:55 Welcome & Information
- 11:00 Welcome address: Dr. Paul Aplin, University of Nottingham, Chairman of RSPSoc
- 11:30 Keynote: Prof. Ian Dowman, UCL, President of ISPRS
- 12:20 Session 1
- 13:40 Lunch
- 14:20 Departure to Ordnance Survey
- 14:50 Arrival at Ordnance Survey
- 15:00 Tour around Photogrammetric Services Department & Talks from Research Labs
- 17:00 Departure to Foxlease
- 17:30 Poster Session; Tea & Coffee
- 18:20 Evening Meal
- 19:20 Session 2
- 21:00 Bar; RSPSoc Students Discussion

### **DAY 2: Tuesday, 11<sup>th</sup> March 2008**

- 08:00 Breakfast
- 08:50 Session 3
- 10:10 Keynote: Ralph Diment, European Marketing Manager, Intergraph
- 11:00 Tea & Coffee break
- 11:20 Session 4
- 13:00 Lunch
- 14:00 Keynote: Alex Koh, Managing Director of Geotechnologies, Principal Lecturer Bath Spa University
- 14:40 Prizes; Tea & Coffee
- 15:00 Outdoor activities
- 17:00 Close

## **Visit to Ordnance Survey - Agenda**

- 14:50 Arrival: Welcome & Housekeeping
- 15:00- Talks from Research Labs:
- 15:45 David Holland - Remote Sensing  
Guy Heathcote - Data Modelling  
Nicolas Regnauld - Generalisation
- 15:50 Tour of Photogrammetric Services
- 16:25 Mark Tabor - Change detection
- 16:40 Andy Wilson - London 2012
- 17:00 Departure

## Oral Presentations

### Monday, 10<sup>th</sup> March 2008

<b>Session 1</b> <i>Chair: Naomi Morris</i>	12:20	<i>Kwadwo Kyeremateng</i>	Accuracy assessment of Digital Terrain Models (DTMs) generated from various data models.
	12:40	<i>Mauren Abreu de Souza</i>	Acquiring accurate head surfaces for optical tomography of newborn infants using photogrammetry.
	13:00	<i>Jennifer Hall</i>	The use of a rule based classification for change detection in a glacial landscape, using ASTER and Landsat TM imagery, with examples from the North Patagonian Ice sheet.
	13:20	<i>Abubakar Sodangi</i>	An assessment of the use of shelterbelt afforestation towards combatting desertification in NW-Nigeria using GIS and remote sensing.
<b>Session 2</b> <i>Chair: Andy Hardy</i>	19:20	<i>Domingos Lopes</i>	Carbon dynamics in Portuguese forest ecosystems based on FOREST-BGC and remotely sensed inputs.
	19:40	<i>Matthew Brolly</i>	Radar backscatter modelling of forests using a macroecological approach.
	20:00	<i>Zulkiflee Abd Latif</i>	Modelling the effects of gap size on microclimate and soil water balance in semi-deciduous forest using remotely sensed data.
	20:20	<i>Edward Mitchard</i>	Remote sensing as a tool to detect and quantify vegetation properties in tropical forest-savanna transitions.
	20:40	<i>Daniel Clewley</i>	Biomass retrieval from SAR data using an estimation algorithm, applied to regrowing forest stands in Queensland, Australia.

### Tuesday, 11<sup>th</sup> March 2008

<b>Session 3</b> <i>Chair: Chris Wilson</i>	08:50	<i>Nima Pahlevan</i>	Mapping macroalgal cover using LiDAR Datasets in estuarine areas.
	09:10	<i>Adebayosoye Awonaike</i>	Modelling oil spill trajectory and evaluation of the impact of oil spills on the coastal areas of the Niger DELTA; South-South Nigeria using GIS techniques.
	09:30	<i>Renee Babb</i>	Hazard and risk assessment of post-hurricane events using GIS and remote sensing.
	09:50	<i>Naomi Morris</i>	Low-cost remote sensing and GIS for regional disaster risk reduction.
<b>Session 4</b> <i>Chair: Jennifer Hall</i>	11:20	<i>Adel Elmetwalli</i>	Using in-situ and high spatial resolution remote sensing in monitoring irrigated wheat and corn.
	11:40	<i>Shamal Mohammed</i>	Mapping irrigated areas using remote sensing techniques in regions where irrigation is supplemental.
	12:00	<i>Holly Croft</i>	Fine-scale hyperspectral directional reflectance measurements for soil degradation monitoring
	12:20	<i>Andy Hardy</i>	Estimating soil moisture as an indicator of slope stability in transport corridor environments.
	12:40	<i>Chris Wilson</i>	Historical landslide activity at Glen Ogle, Scotland, using aerial photography and airborne hyperspectral data from the compact airborne spectrographic imager (CASI).

## **Poster Presentations**

River bed type mapping using Airborne Imaging Spectrometry.

*Ramiya Anandakumar*

LiDAR as a tool for conservation and restoration of Rhos pastures.

*Gemma Bell*

Investigation of the role of phytoplankton in CO<sub>2</sub> flux variability.

*Robert Brewin*

A United Kingdom calibration field for airborne sensor systems.

*Patrick Edge, Christos Piperagkas, Thomas Harding*

Geometric calibration of a Hasselblad digital camera.

*Thomas Harding, Christos Piperagkas, Patrick Edge*

Accuracy assessment of Digital Terrain Models (DTMs) generated from various data models.

*Kwadwo Kyeremateng*

Carbon dynamics in Portuguese forest ecosystems based on FOREST-BGC and remotely sensed inputs.

*Domingos Lopes*

The influence of forest biophysical variability on polarimetric SAR interferometry.

*Armando Marino*

Low-cost remote sensing and GIS for regional disaster risk reduction.

*Naomi Morris*

Monitoring deforestation and degradation in the estuarine and lowland forests of the Niger Delta.

*Alex Onojeghuo*

A critical review of geospatial techniques for landscape character assessment.

*Faye Davey*