

## Wednesday 5th APRIL 2006

2.00	<b>1 - OPENING SESSION</b>
	Welcome from conference chair
2.10	Edina Keynote Prof. David Schell (Chairman Open Geospatial Consortium) Interoperability -- a new Research Paradigm <i>introduced by Mike Jackson</i>
3.00	Galileo and the future of Satellite Positioning <i>Prof. Terry Moore (Invited Speaker)</i>
3.30 - 4.00	Break
4.00	<b>2A - SPATIAL DATA MANAGEMENT</b>
	Modelling residential property related datasets for application in a knowledge discovery system used for property valuation <i>Katerina Christopoulou &amp; Muki Haklay</i>
	Data Interoperability: Preparing for the Challenges <i>Peter Mooney &amp; Adam Winstanley</i>
	Comparing Different Land Cover Data Sets for Agricultural Monitoring in Africa <i>Steffan Fritz, L. See, Felix Rembold, Michel Massart, Thierry Nègre &amp; Craig van Hagen</i>
	Integrating a Sequence of Geo-Spatial Datasets <i>Eliyahu Safra &amp; Yerach Doytsher</i>
	Context-aware spatial analysis and information fusion from heterogeneous data repositories <i>Zarine Kemp, Lei Tan &amp; Jacqueline Whalley</i>
6.30	Depart for evening buffet reception at Trent Bridge Cricket Ground

<b>2B - TERRAIN ANALYSIS</b>
Swapping Subcatchments For Isobasins <i>John Lindsay, Laura Liddaman, Martin Evans and Julia McMorro</i>
Optimal Portrayal of Contour Information over Steep Terrain <i>William Mackaness &amp; Mike Steven</i>
A Pyramidal Approach for Merging Topographic Datasets <i>Sagi Daloyt &amp; Yerach Doytsher</i>
Landscape Roughness Coefficients for flood inundation modelling <i>Jochen Schuber, Earl Edwards and Martin Smith</i>

## Thursday 6th APRIL 2006

9.00	<b>3A - SPATIAL ANALYSIS</b>
	A Cluster-Based Approach to the Zoning Problem Using An Extended Genetic Algorithm <i>Chris Brunsdon</i>
	Modelling Spatial Variation in Street Crime: an Inductive Learning Approach <i>Allan J. Brimicombe</i>
	Multi-scale in cross-border spatial statistical analysis <i>Jianquan Cheng</i>
	GM(1,1)-Kriging Prediction of Soil Dioxin Pattern <i>Danni Guo, Renkuan Guo, Christien Thiar, Tonny Oyana, &amp; Dajun Dai</i>
	Visualising Species Distributions: the Role of Geostatistics and GIS in Understanding Large-scale Spatial Variation in Breeding Birds <i>David Lieske &amp; Darren J. Bender</i>
10.30 - 11	Break
11.00	<b>4A -GENERALISATION</b>
	Classifying urban structures for mapping purposes using discriminant analysis <i>Stefan Steiniger</i>
	Density Modelling in Support of Automatic Recognition of Geographical Phenomena in Large Scale Topographic Databases <i>Omar Chaudhry &amp; William Mackaness</i>
	Automated Art? Re-defining the fundamental questions of generalisation <i>Jen Crowe</i>
	Examining spatial variation in the cartographic veracity of the Gough Map <i>Chris D. Lloyd &amp; Keith Lilley</i>
	Simplifying Polygons for Spatial Queries in SQL <i>Ian Elcoate, Jim Longstaff &amp; Paul Massey</i>
12.30 - 2	Lunch
2.00	<b>5A - URBAN ENVIRONMENTS</b>
	The Equator Project <i>Steve Benford (Invitation)</i>
	Understanding Spatial Information Usage in a Mobile Context <i>Chao Li</i>
	The Spatial Scale of Urban Areas <i>Padraig Corcoran &amp; Adam Winstanley</i>
	A Conceptual Framework for Describing Microscale Pedestrian Access in the Built Environment <i>Aidan Slingsby &amp; Paul Longley</i>
	Using GIS to model population physical activity levels and the quality of urban green space <i>Jenna Panter, Andy Jones, Melvyn Hillson &amp; Charles Foster</i>
3.30 - 4	Break
4.00	<b>6A - SPATIAL LITERACY</b>
	Spatial Literacy IN Teaching (SPLINT) <i>Nick Tate (Invitation)</i>
	What do we mean by "spatial literacy" in a GIS context? <i>Benjamin Pozos Hernandez, Claire Jarvis, Jane Wellens &amp; Nicholas Tate</i>
	Improving GIScience learning outcomes by a shift to case-based evaluation <i>Muki Haklay</i>
	GIS into Schools: developing a secondary level GIS curriculum <i>Susanne Tschirmer &amp; Mary O'Brien</i>
5.30	Poster Session & Drinks Reception
7.30	Conference Dinner, Hugh Stewart Main Hall.
9.30	Jazz Band

<b>3B - ENVIRONMENTAL APPLICATIONS</b>
Assessing Scenarios for Improving Groundwater Quality through Land Use Change: The Water4all <i>Andrew Lovett, Project K Hiscock, T Dockerty, A Saich, C Sandhu, G Sunnenberg, K Appleton, P Johnson, J Greaves, &amp; B Harris</i>
Using GIS to Identify Wildland Areas in the North Pennines <i>Stuart Blair, Linda See, Steve Carver &amp; Peter Samsom</i>
Comparing transport impact for energy recovery from domestic waste (EFW): large and small-scale options for two UK Counties <i>Lucy Bastin &amp; David M. Longden</i>
Modelling tree-cover change in the Brazilian Amazon and beyond <i>Alejandro de las Heras &amp; Iain Lake</i>
Application of Spatial Analysis in the detection of human activities' impacts on climate change, Case Study: Iran <i>Sima Torabi</i>

<b>4B - HEALTH, BUSINESS &amp; POLICY APPLICATIONS</b>
Mapping Psychiatric Address Data <i>Paul Lewis, Mary O'Brien, Stewart Fotheringham, Martin Charlton &amp; Adam Winstanley</i>
A Geographical Health Equity Audit of Access to General Dental Practices in Manchester <i>Neil Bendel, Gill Davies</i>
London Calling' - A Spatial Decision Support System for inward investors <i>Patrick Weber, Dave Chapman &amp; Marc Hardwick</i>
Investigating catchment area anomalies for a north England store <i>David Lloyd &amp; Jason Dykes</i>
Data issues associated with creating a national GIS evidence base for rural policy in Wales <i>Jonathan Radcliffe &amp; Sean White</i>

<b>5B - SPATIO-TEMPORAL MODELLING</b>
And Then There Were Two: Revealing Patterns of Spatiotemporal Bifurcation with GIS & CART <i>David Kidd</i>
The potential of raster-based space-time composites in multi-dimensional analysis <i>Nick Mount</i>
Kernel Density Estimation as a spatial-temporal data mining tool: exploring road traffic accident trends <i>Chive Sabel</i>
A New Method for Analysing Spatial Dynamics of Retail Distribution in Urban Space <i>Akiyoshi Inasaka &amp; Yukio Sadahiro</i>
Automated time-based schematic maps for transportation network applications <i>Suchith Anand, Jinsoo You, Mark Ware, Mike Jackson &amp; George Taylor</i>

<b>6B - ONTOLOGIES</b>
Habitat data uncertainty and accuracy: ontological approaches to data fusion <i>Lex Comber, Alan Brown &amp; Jane Stevens</i>
A Visual Editor for Validating Geo-ontologies in OWL <i>Philip Smart, A.I. Abdelmoty &amp; C.B. Jones</i>
A Two-Faced Approach to Developing a Topographic Ontology <i>Hayley Mizen, Glen Hart &amp; Catherine Dolbear</i>
Recycling Ontologies -- exploiting a topographic ontology from an ecological perspective <i>Fiona Hemsley-Flint, Glen Hart, John Lee &amp; Stewart Thompson</i>

## Friday 7th APRIL 2006

9.00	<b>7A - AGENT-BASED MODELLING &amp; SIMULATION</b>
	Agent-Based Modelling and Simulation using Repast: A Gallery of GIS Applications from CASA <i>Paul Longley (Invitation) with Christian Castle &amp; Andrew Crooks</i>
	Experimenting with cities using Agent Based Models <i>Andrew Crooks</i>
	PastureSim: A Visualisation Tool for Pasture Management <i>C. E. S. Rider &amp; Femke Reitsma</i>
	Spatial Data Quality Analysis with Agent Technologies <i>Yang Li</i>
	Towards Developing a Simulation Modelling Framework for Major Urban Disaster Response <i>Jinsoo You, Michael L. Sena &amp; Mike Jackson</i>
10.30 - 11	Break
11.00	<b>8A - GEODEMOGRAPHICS</b>
	How segregated are name origins? A new method of measuring ethnic residential segregation <i>Pablo Mateos, Richard Webber &amp; Paul Longley</i>
	Modelling residential dwelling types using OS Mastermap data: a comparison with the 2001 Census <i>Scott Orford &amp; Jonathan Radcliffe</i>
	Students in the Community <i>Peter Halls</i>
	Commuting to School: An Investigation of 2001 Census STS and Alternative Data Sources <i>Kirk Harland, Oliver Duke-Williams &amp; John Stillwell</i>
	Creating Consistency in British Census Space <i>Nigel Walford &amp; Kelly Hayles</i>
12.30 - 2	Lunch (optional trip to British Geological Survey - 25 max)
2.00	<b>9 - EXPERIAN KEYNOTE</b>
	Prof. Richard Webber Achievements and challenges in geodemographics
	Prizes
	Invitation to GISRUK 2007 Maynooth - Adam Winstanley
3.30	Close of Conference

<b>7B - WEB DELIVERY</b>
Avenues for developing the UK's National Geospatial Metadata Service <i>James K Batcheller &amp; Bruce M Gittings</i>
Web-based visualisation tools for spatial information retrieval <i>Bisheng Yang, Ross Purves, Awase Khirni Syed and Robert Weibel</i>
A web interface to explore and restructure geographical datasets <i>Sandrine Balley</i>
Public Web Mapping: Preliminary Usability Evaluation <i>Artemis Skarlatidou &amp; Muki Haklay</i>
Evaluating, Classifying and Comparing GI Applications in Irish Planning Authorities <i>Mairéad de Róiste</i>

<b>8B - VISUALISATION</b>
3-D Visualization of OS MasterMap Using Height Data from LIDAR <i>Cici Alexander, Sarah Smith, Claire Jarvis, Nick Tate &amp; Kevin Tansey</i>
Planning Hikes Virtually -- How Useful are Web-based 3D Visualizations? <i>Susanne Bleisch &amp; Jason Dykes</i>
Visualising Risk for Hill Walkers <i>Alastair Jardine &amp; William Mackaness</i>
GIS as an Interpretative Tool in Greek Archaeological Research <i>Despoina Tsiafakis &amp; Vasilis Evangelidis</i>
The topology of GIScience co-authorship networks <i>Cristina Arciniegas &amp; Jo Wood</i>