

RGS – IBG Annual International Conference 2010
1 – 3 September 2010
Royal Geographical Society
London

GIScRG Sessions on:

Enhancing Complex Social Simulations with Automata Systems

This session aims to bring together researchers to report on progress in diverse types of automata systems in social simulation. We encourage the submission of theoretical, experimental, methodological and application papers related to Cellular Automata (CA) and Agent-Based Modelling (ABM). Papers may include, but are not limited to:

- Artificial social systems.
- Agents and social networks.
- Modelling complexity in social simulations.
- Large scale social simulation.
- Social behaviour, social actions and interactions.
- Models of competition, cooperation and negotiation.
- Multi-agent evolution: adaptation and learning.
- Hybrid automata models.
- Validation and verification of simulation results and simulation systems.
- Novel applications of automata systems in ecology and economics.

Conveners: Dr Linda See l.m.see@leeds.ac.uk
Dr Alison Heppenstall a.j.heppenstall@leeds.ac.uk

GIS for Environmental Modelling

This session aims to bring together researchers to report on state of the art environmental modelling applications. This session seeks to attract papers reporting GIS modelling applications for environmental sciences, in particular, but not limited to those focusing on:

- Sediment transport.
- Improved hydrological network extraction.
- Hydrograph simulation modelling.
- Flood inundation modelling.
- Snow and ice melt modelling.
- Climatic downscaling.
- Large scale temporal and spatial studies.
- Error and uncertainty modelling.
- Geomorphometry.

Conveners: Dr Katherine Arrell k.arrell@leeds.ac.uk
Dr Steve Carver s.j.carver@leeds.ac.uk

Postgraduate Session: Analysing and Visualising Social Change

The data and tools that are used for analysing, visualising and understanding social change have become increasingly accessible and sophisticated in recent years. GIScience has been at the forefront of these advances, developing tools, providing new visualisations and communicating the results to wider audiences. This session seeks to attract postgraduate researchers from all areas of GIScience, Geovisualisation and wider geography who are concerned with monitoring and visualising social change. Submissions are especially welcome from those researching geovisualisation, modeling, geodemographics, migration and other aspects of social change.

Conveners: James Cheshire james.cheshire@ucl.ac.uk
Dr Muki Haklay m.haklay@ucl.ac.uk

Details of **online submission** can be found at: <http://www.rgs.org/AC2010>

Important Dates

Deadline for abstracts: **5 February 2010**

Notification of Acceptance: **26 February 2010**

For any questions related to any of these sessions, please contact the session conveners.