

## Resume

Andy Turner  
Geography, University of Leeds.

I am a Researcher and PhD student based in the School of Geography and have key responsibilities for research for MoSeS. I am also Deputy Director of the Centre for Computational Geography (CCG), and OGC Technical Committee representative for the University of Leeds.

### Directly Funded Projects

- **Modelling and Simulation for e-Social Science (MoSeS)**  
**NCeSS eInfrastructure for the Social Sciences Project**  
Funded by Economic and Social Research Council

### Indirectly Funded Collaboration

- **JISC Grid OGC Collision programme**  
Funded by Joint Information Systems Committee
- **NIEeS Grid GIS Working Group**  
Funded by NIEeS a collaboration between NERC and University of Cambridge
- **SIM-UK**  
(March 2005 - Present)

### Unfunded Projects and Collaboration

- **Developing the IEEE DS Online Games and Simulation: Applications for Entertainment, Education, and Modeling Topic Area**
- **Sustainable Uplands: Managing Uncertainty in Dynamic Socio-Economic Systems: An Application to UK Uplands**
- Funded by RELU (RES-227-25-0001)
- **Who Runs Leeds**
- **Future Cities**
- (February 2005 - Present)

The Grand Challenge over the next 5-10 years is to develop a city simulation package, configurable for different cities, that can be used by a wide variety of interested parties to examine the potential impacts of strategies and scenarios on city development.

## Selected Papers 2004-2006

2006

Turner A.G.D. (In preparation) MoSeS 2001 UK Demographic Initialisation Page

Turner A.G.D. (In preparation) MoSeS: UK Population Bases for Socio-economic Modelling

Turner A.G.D. (In preparation) MoSeS: Developing a Model of the Contemporary UK Human Population: Towards a Specification for Agent/Environment Interaction Modelling

Turner A.G.D. (In preparation) 'GRIDS\_1.0 Core Package Description' CCG Working Paper.

Turner A.G.D. (In preparation) 'Raster Based Geographically Weighted Statistics for Studying the Spatial Change of Incidence Distributions Over Time: An Application to Stats 19 Personal Injury Road Accident Data' CCG Working Paper.

Birkin M., Turner A.G.D., Wu B. (2006) A Synthetic Demographic Model of the UK Population: Methods, Progress and Problems. Paper presented at the Second International Conference on e-Social Science, UK, June (2006-06).

Birkin M., Turner A.G.D., Wu B. (2006) A Synthetic Demographic Model of the UK Population: Methods, Progress and Problems. Abstract submitted for the Second International Conference on e-Social Science, UK, June (2006-06).

Birkin M., Turner A.G.D., Wu B. (2006) Proof of Concept for a Dynamic Simulation Model of the UK Population. Abstract submitted for the Second International Conference on e-Social Science, UK, June (2006-06).

2005

Birkin M., Clarke M., Rees P., Turner A.G.D., Wu B., Keen J., Chen H., Hodrien J., Townend P., Xu J. (2005) Modelling and Simulation for e-Social Science (MoSeS). Poster presented at the Fourth e-Science All Hands Meeting, UK, September.

Turner A.G.D. (2005) 'GIS Options for a proposed UK upland moorland project' RELU, Sustainable Upland Management for Multiple Benefits Scoping Study, CCG Working Paper, February.

2004

Nelson A., Turner A.G.D. (2004) 'Processing Global Self-consistent Hierarchical High Resolution Shoreline Data Version 1.3 Into ESRI ArcGIS Vector And Raster Data' CCG/SoG Working Paper, December.

Nelson A., Turner A.G.D. (2004) 'Processing Global Self-consistent Hierarchical High Resolution Shoreline Data Version 1.2 Into ESRI ArcGIS Vector And Raster Data' CCG/SoG Working Paper, November.

Gould M.I., Burrage A., Stillwell J.C.H., Turner A.G.D. (2004) 'Healthy City? Spatial Inequalities and Health Care Provision.' Book chapter in Stillwell J.C.H., Unsworth R. (eds.) Twenty-first Century Leeds: Geographies of a regional city, Leeds University Press.