

## COLLEGE OF PHYSICAL SCIENCES

### COMPUTING SCIENCE

#### RESEARCH FELLOW

The *PolicyGrid* project within the Department of Computing Science invites applications for the above post, to work on a new eInfrastructure activity funded by the ESRC *eSocial Science* Programme.

PolicyGrid ([www.policygrid.org](http://www.policygrid.org)) is one of the Economic & Social Research Council (ESRC) National Centre for eSocial Science research nodes. The vision of the "Semantic Grid" lies at the centre of our research agenda; this is an extension of the current Grid in which information and services are given well-defined meaning, better enabling computers and people to work in cooperation. The ESRC has recently committed to the construction of an e-Infrastructure on the UK National Grid Service (NGS) to provide integrated access to a variety of resources for social science research, including datasets, tools, services and easy-to-use user environments.

You will focus on the development of Grid services and software tools in the context of the *metadata infrastructure* and *simulation* workpackages of the ESRC eInfrastructure effort. These include (but are not restricted to) the following: making an existing natural language interface for creation of RDF metadata robust, pluggable and usable; developing a Grid based metadata/ontology infrastructure; simulation portal development; Grid-enabling social simulation models. The work will entail extensive collaboration with other sites involved in the eInfrastructure project, and regular access grid, telephone and face-to-face conferences. There will be a requirement to produce documentation throughout the project, to include: regular progress updates, workpackage reviews, software tool documentation.

You should have a PhD in Computer Science, or relevant equivalent experience. You are expected to be a highly competent programmer in Java, and have experience of Semantic Web technologies (including OWL and RDF), Web/Grid services, e-science, and related areas. Knowledge of workflow approaches in e-science would be desirable. The work will involve development of robust software, within a managed project environment; it is therefore important that you have knowledge and experience of software engineering principles and standards.

The post is being offered for 21 months and is available immediately.

Informal enquiries can be made to Dr Peter Edwards (PolicyGrid Node Director), [p.edwards@abdn.ac.uk](mailto:p.edwards@abdn.ac.uk)

To apply online for this position visit [www.abdn.ac.uk/jobs](http://www.abdn.ac.uk/jobs) or alternatively you may request an application pack by emailing your name and contact details to [jobs@abdn.ac.uk](mailto:jobs@abdn.ac.uk) or by telephoning our 24 hour answer service on (01224) 272727 quoting **YCS060RY**

Salary will be at the appropriate point on the Grade 6 scale (£27,857 - £33,262 per annum) with placement according to qualifications and experience.

The closing date for the receipt of applications is **22 November 2007**

*Promoting Diversity and Equal Opportunities throughout the University*