EXPERIMENTAL RESEARCH SCIENTIST – FLOW IN GEOLOGICAL MATERIALS

The British Geological Survey (BGS) is one of the world’s leading and forward thinking geological science institutes with a focus on both public good science for government and geoscientific research to understand earth and environmental processes. A vacancy has arisen in the Radioactive Waste Team for a highly motivated experimental research scientist specialising in flow in geological materials, to be based at our headquarters in Keyworth, Nottingham.

The Radioactive Waste Team has a long-established reputation for research excellence in multi-phase flow and rock deformation in porous media (geological and engineered). Staff within the team are involved in cutting-edge experimental research for UK and international clients aimed at better understanding the physical and chemical properties of rocks and materials that will be used to isolate radioactive waste, with particular expertise in mudrocks and crystalline formations and engineered barriers including bentonite and cement. The contribution of the team’s expertise to other sub-surface sectors is increasing, including Carbon Capture and Storage (CCS), Shale Gas research and Gas Storage.

You will contribute to identifying and developing opportunities through grant applications (e.g. EU, NERC, EPSRC), commercial research contracts and other innovative science projects. This will include the development of new experimental techniques related to the understanding of coupled processes in low permeability natural and engineered geological materials. The successful candidate will work with other research scientists in BGS on the development of process understanding for a range of other deep sub-surface uses.

The appointee will be expected to play an active role in the work of the team and support the delivery of the Team’s research programmes and projects. You will be expected to participate in the design and construction of experimental systems, data capture, processing, interpretation and reporting of laboratory experimental results, including publication, presentation and promotion of activities.

You should be educated to 2:1 in a relevant degree and have an MSc/PhD in a relevant field eg Earth sciences, petroleum engineering, rock mechanics, civil engineering. Significant evidence of experimental based experience in multi-phase flow and a good knowledge of the transport processes within rocks is required.

In addition you must possess excellent communication skills, both oral and written and be able to demonstrate that you are developing a strong reputation in your area of science through publication of your work and engagement with professional bodies, collaborators and beneficiaries of your work. In addition you must have evidence of a good level of numeracy and the ability to work independently or as part of a team.

Starting salary will be between £28,200 per annum to £30,600 per annum depending on qualifications and experience. Working hours will be 37 per week excluding lunch breaks. A
generous benefits package is also offered, including a company pension scheme, childcare allowance, 30 days annual leave plus 10.5 days public and privilege holidays.

This is advertised as a full time post but we will consider applications from those who require more flexible arrangements.

Applications are handled by the RCUK Shared Services Centre; to apply please visit our job board at [http://www.topcareer.jobs/Vacancy/irc192233_5400.aspx](http://www.topcareer.jobs/Vacancy/irc192233_5400.aspx) and submit your up-to-date C.V. and covering letter, which clearly outlines why you are applying for this post and how you meet the criteria described in this advertisement. Applicants who would like to receive this advert in an alternative format (e.g. large print, Braille, audio or hard copy), or who are unable to apply online should contact us by telephone on 01793 867003, Please quote reference number IRC192233.

Closing date for receipt of application forms is 16 June 2015.

The Natural Environment Research Council is an equal opportunities employer and welcomes applications from all sections of the community. People with disabilities and those from ethnic minorities are currently under-represented and their applications are particularly welcome. The British Geological Survey is an Investors in People organisation. There is a guaranteed Interview Scheme for suitable candidates with disabilities.