Geomagnetic Scientist

Based in our Edinburgh office – on the Heriot Watt campus

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 for a highly motivated Geomagnetic Scientist to work in the BGS Edinburgh Office.

This team is responsible for measuring and analysing the Earth's ever-changing magnetic field (see www.geomag.bgs.ac.uk for more details). The team's research activities make use of geomagnetic field observations to improve the understanding of processes deep in the Earth, as well as magnetic interactions between the Sun and the Earth. The measurements made and gathered, the global and local models that are created from these measurements and the resulting scientific analysis all contribute to the team's involvement in various real world applications. These include, for example, the use of geomagnetic reference values for directional drilling in the oil and gas industry and studies to progress understanding of the impact of solar-terrestrial interactions on technology and our environment.

The successful candidate will contribute to the team's response to deliver enhanced geomagnetic referencing services to the oil and gas industry, in particular to provide information on crustal magnetic field anomalies local to the drilling area. They will help the team with gathering of data and data processing for use in global magnetic field models as well as contribute to the team's activities related to forecasting geomagnetic activity levels. Appropriate on-the-job training will be provided.

Candidates should have at least Honours Degree/Diploma in a Physics, Geophysics or Mathematics discipline or equivalent work experience, along with Mathematics to at least Scottish Higher or A-Level standard. Candidates should be able to demonstrate basic knowledge of the Earth's magnetic field. Furthermore scientific programming skills are essential in addition to a competence in standard office applications. Experience working on Linux-based computers or in other non-windows-based operating systems would be an advantage. Further practical, academic or industry experience is also desirable.

This is an open ended appointment. The salary for the post is between £22,224 and £24,112 per annum, depending on qualifications and experience.

A generous benefits package is also offered, including a company pension scheme, childcare allowance (salary sacrifice scheme), 30 days annual leave and 10.5 days public and privilege holidays.

Applications are handled by the RCUK Shared Services Centre; to apply please visit our job board at http://www.topcareer.jobs/Vacancy/irc241609_7255.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 IRC241609

Closing date for receipt of CV's is 23 July 2017.

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* organization and has achieved Bronze status for Athena Swan – a scheme that recognizes excellence in women's employment in science, technology, engineering, maths and medicine (STEMM) in UK higher education. There is a guaranteed Interview Scheme for suitable candidates with disabilities.

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