

We have an exciting opportunity for a Professor in Applied Geophysics at our new Lyell Centre Collaboration.

The Lyell Centre for Earth and Marine Science and Technology is a strategic collaboration between Heriot-Watt University and the British Geological Survey (BGS). The overarching strategic objective of this new partnership is to find pragmatic, evidence-based solutions to critical global challenges associated with the Earth's surface, sub-surface, oceans and atmosphere.

Our new purpose built facility was completed in February 2016. The main Lyell Centre building comprises two wings and accommodates BGS and Heriot-Watt University staff, with laboratory, aquarium, office and collaboration space.

Applied geophysics is an integral part of the Lyell Centre where the Institute of Petroleum Engineering and the BGS have pioneered many geophysical techniques, workflows, and applications, from petroleum exploration and time-lapse monitoring of producing reservoirs to developing new rock physics models that enable us to better characterise fractures and faults in the subsurface. This research benefits from our complementary expertise in petrophysics, reservoir characterisation and reservoir modelling while the results feed directly into other disciplines relevant to the hydrocarbon industry such as history matching and model calibration.

The broader expertise at the Lyell Centre in disciplines such as groundwater hydrology, CO2 storage, hydrothermal systems and geothermal energy also allows us to expand our applied geophysics research to environmental applications. The research environment at the Lyell Centre hence provides the equipment, time and expertise to further innovate all areas of applied geophysics related to near-surface and subsurface geological processes.

As a Professor in Applied Geophysics you will be responsible for, but not limited to the following;

- Establishing a portfolio of research in collaboration with internal and BGS colleagues, securing external funding, publishing original research to maintain a leading international reputation
- Leading and managing a research group, including supervision of post-doctoral employees and postgraduate students.
- Exercise academic leadership for all subject area teaching and scholarly activities.
- Take a lead role in senior external groups, such as editorial boards and committees in learned societies, creating opportunities to develop networks to foster collaboration and share information on subject area of expertise.
- Promote the work of the Centre both nationally and internationally.

To be considered for the role of Professor in Applied Geophysics you must hold a PhD in a relevant subject field and an internationally leading authority in Applied Geophysics demonstrated by publication rate, track record of independently and consistently securing research funding and delivering keynote addresses at significant international conferences.

If you'd like to discuss this opportunity further please contact Elaine Middleton - [e.middleton@hw.ac.uk](mailto:e.middleton@hw.ac.uk)

If you would like to apply for the role please visit [https://www.hw.ac.uk/about/careers/jobs/job\\_SVJDNTI2Mw.htm](https://www.hw.ac.uk/about/careers/jobs/job_SVJDNTI2Mw.htm)

Applications are particularly welcome from women and black and ethnic minority ethnic candidates, who are under-represented in academic posts at Heriot-Watt.

*Applications from candidates who require sponsorship to work in the UK will be considered. Candidates who are members of the Royal Society have the option to apply for their own tier 1 visa for this role. For further information on this please visit the UK visas and immigrations website <https://www.gov.uk/browse/visas-immigration/work-visas>*

Closing date: 29<sup>th</sup> July