

School of Physics: Postdoctoral Research Fellow -Computational modelling in extreme conditions physics

A position is available for a computational modeller to work in the Extreme Conditions Physics Group of the School of Physics (part of the Scottish Universities Physics Alliance, SUPA) in the Centre for Science at Extreme Conditions. This follows the £3.5M renewal of the group's EPSRC Programme Grant.

You will undertake ab-initio total-energy calculations using both static and dynamic methods to provide insight into the behaviour and physical properties of elements and simple molecular systems under extreme conditions working closely with the group's experimental programme. You will also be involved in developing new methods for finding trial structures for unknown crystals, making use of experimental data to assist in full solution of as-yet unsolved diffraction patterns.

The group has established world-leading programmes in extreme conditions electronic structure calculations and in experimental structural studies using both x-ray and neutron diffraction, and also in extreme conditions spectroscopic and transport properties measurements.

http://www.jobs.ed.ac.uk/vacancies/index.cfm?fuseaction=vacancies.detail&vacancy_ref=3006794

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Note new address and telephone numbers

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