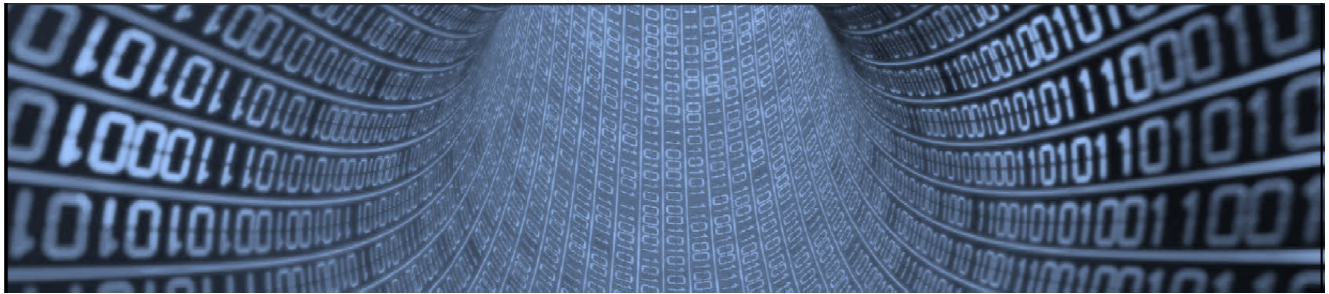




Two PhD Studentships in Computational Modelling of Coupled Flow Processes in Soil



Applications are invited for two PhD studentships at the Geoenvironmental Research Centre (GRC), Cardiff University to work on Advanced Computational Modelling of Geoenvironment Problems. The two PhD positions will be as part of a new and large team created at the GRC. Six Research Associates are also being recruited in this team. This new group will form part of large project where significant experimental work on carbon sequestration in coal, coalbed methane extraction, underground coal gasification and ground source heat is already under way.

These PhD studentships are available in the area of computational modelling of coupled flow processes. The projects will involve theoretical and numerical investigations via coupled thermo-hydro-chemical-mechanical (THCM) modelling. The areas of research will be on hydraulic and chemical/biogeochemical behaviour of soils in response to geoenvironment applications.

This research will be carried out under the supervision of Professor Hywel R. Thomas and Dr Majid Sedighi.

Studentship details

The studentships are available at the Geoenvironmental Research Centre (GRC), Cardiff School of Engineering at Cardiff University. The GRC is a leading research centre committed to world class research in geoenvironmental engineering.

The anticipated start dates of these PhD positions are April 2013.

The PhDs will be funded as follows:

- The University fee, which will be funded at the current UK/EU student rate.
- A stipend of £13,606 per year, tax free, with inflationary increases.

Each PhD project will be funded for a 3 year studentship.

These positions are open for UK/EU and overseas applicants.

Candidate profile

The applicant should:

- Have a high classification degree in engineering, earth science or other relevant subject.
- Be interested in numerical modelling work.
- Be enthusiastic and motivated to carry out research and willing to learn.

Contact details

Please submit your interest/queries to:

Email: GRC@cardiff.ac.uk

Telephone: +44 (0) 2920 874004.

Website: www.grc.engineering.cf.ac.uk.