

Postdoctoral Researcher in Geomechanics (Level B)

Topic: "Stabilization of expansive soil by polymer addition – experimental unsaturated soil mechanics"

General Information

The successful candidate will join the Priority Research Centre for Geotechnical and Materials Modelling, working under the direction of Dr. Olivier Buzzi and Prof. Scott Sloan (see <http://www.newcastle.edu.au/research-centre/cgmm/> for a description of the Centre's activities). The successful candidate will be appointed for 2 years to work on a research project focusing on the stabilization of expansive soils by polymer addition. Themes to be investigated will include fundamental unsaturated soil mechanics, development of experimental apparatus (with existing technical support – craftsman and instrumentation), in situ testing. Some fundamental aspects of the behaviour of expansive clays will also be investigated during the course of the project. Support to attend national and international conferences is available.

Position Description

Selection Criteria

- PhD in Geomechanics, preferably on the topic of Unsaturated Soil Mechanics
- Experimental skills
- Effective communication skills
- Ability to work in team

Conditions and Benefits

Academic Level B2 to B3 – (\$80,671 to \$91,051 per annum). The basic contribution for superannuation will be made by the University into Unisuper Accumulation 1. Further information on benefits and conditions of employment is available at the following link:

<http://www.newcastle.edu.au/service/employment/conditions.html>

Closing Date: Applications close on the 30th of July 2011 (deadline might be extended).

How to Submit Your Application: Please forward a complete CV to Dr. Olivier Buzzi

Further Information

For additional information on the position contact Dr. Olivier Buzzi, Priority Research Centre for Geotechnical and Materials Modelling, Discipline of Civil, Surveying and Environmental Engineering on +612 4921 5454 or email Olivier.Buzzi@newcastle.edu.au. You can also visit the Centre website at <http://www.newcastle.edu.au/research-centre/cgmm/>