

**Research Associate in Geotechnical Engineering**  
**PhD Scholarship in Geotechnical Engineering**

Fixed term (3 years)

University of Wollongong



The School of Civil, Mining and Environmental Engineering is one of the three schools within the Faculty of Engineering. The GRE Centre has an outstanding record of research achievements currently employing close to a dozen Research-only academics and about 40 PhD students, supported by significant grants from the Australian Research Council and the Cooperative Research Centre for Railways.

The School is seeking high calibre candidates to work on a three-year geotechnical project funded by the Australian Research Council involving the study of the cyclic stress-strain behaviour of chemically treated soils. The scope of the study includes detailed chemical and mineralogical examination of lignosulfonate-treatment of unstable soils during cyclic loading using X-Ray CT scan and atomic absorption tests. The research will also involve experimental studies, field work and constitutive model development.

The prospective candidate must have a first degree in Civil Engineering or related discipline. A research degree such as PhD in Geotechnical engineering is essential. Candidate must address the Selection Criteria specified in the Position Description, which is available from our website. Please apply online at [http://employment.uow.edu.au/cgi-bin/job\\_details.cgi?id=23991](http://employment.uow.edu.au/cgi-bin/job_details.cgi?id=23991)

For PhD candidate, the successful candidates must have a very good first degree in Civil Engineering or related discipline. A Masters degree in Geotechnical Engineering or a related field is desirable. Please send your application to [indra@uow.edu.au](mailto:indra@uow.edu.au).

For further information about this role, please contact Prof Buddhima Indraratna on (61 2) 4221 3046, Fax: (61 2) 42213238, e-mail: [indra@uow.edu.au](mailto:indra@uow.edu.au).

Application close: 28 August 2011.