



THE UNIVERSITY OF
WESTERN AUSTRALIA

University of Wollongong



Australian Research Council Centre of Excellence for Geotechnical Science and Engineering

10 Research Academic Positions

10 PhD Scholarships

Position No.1769

The newly established Australian Research Council Centre of Excellence for Geotechnical Science and Engineering (CGSE) is currently recruiting research staff. The CGSE will provide an international focus for geotechnical research, with particular emphasis on energy and transport infrastructure, and is founded on collaboration between the geotechnical groups at The University of Newcastle, The University of Western Australia, and the University of Wollongong (with additional support from several of Australia's leading geotechnical consulting firms).

The four major research themes of the Centre are geomaterials science, the modelling of multiphysics problems in geotechnics, the simulation of moving boundary problems, and the assessment of geotechnical risk using stochastic analysis. Tools for investigating these themes will include state-of-the-art numerical analysis, advanced physical modelling using beam and drum centrifuges, sophisticated laboratory testing, and full-scale field testing at Australia's first national soft soil test facility (which will be established at Ballina, NSW). Engineering applications of interest include ground improvement techniques for soft and problematic soils, the analysis and design of deepwater oil and gas facilities, and the design of road and rail infrastructure.

A total of 10 Research Academic positions are available, 8 at The University of Newcastle and 2 at The University of Western Australia. There are also 10 PhD Scholarships available to work at one of the three Centre nodes.

The research academic positions are offered at the level of Associate Lecturer through to Senior Lecturer (termed Associate Professor at UWA).

The academic positions are available for a period of 5 years. Applicants must hold a PhD degree in Civil Engineering or a related field, possess advanced knowledge of computational or experimental geomechanics, have a good publication record, and exhibit excellent communication skills.

For the 10 Research Academic Positions

THE UNIVERSITY OF NEWCASTLE

8 of the Research Academic Positions are available at The University of Newcastle and have salary ranges of:

Level A \$67,463 to \$72,417 per annum

Level B \$76,229 to \$90,523 per annum

Level C \$93,380 to \$107,675 per annum, plus a generous employer superannuation contribution of up to 17%.

Expressions of Interest for The University of Newcastle positions should be forwarded to ARC Laureate Professor Scott Sloan, Centre Director, The University of Newcastle by email to scott.sloan@newcastle.edu.au

Salary level within this range will be dependent on the qualifications and experience of the successful applicant.

THE UNIVERSITY OF WESTERN AUSTRALIA

2 of the Research Academic Positions are available at The University of Western Australia and have salary ranges of:

Level A \$74,713 per annum

Level B \$78,647 to \$93,394 per annum

Level C \$96,341 to \$111,090 per annum, plus a generous employer superannuation contribution of up to 17%.

Salary level within this range will be dependent on the qualifications and experience of the successful applicant.

Expressions of Interest for The University of Western Australia positions should be forwarded to Professor Mark Cassidy, Centre Deputy-Director, The University of Western Australia by email at: mcassidy@civil.uwa.edu.au

For the 10 PhD Scholarships

These Scholarships are available at all three nodes and are available for a period of three years, applicants are expected to hold a Bachelor or Masters degree in Civil Engineering or a related field. Each scholarship comes with a tax free allowance of up to A\$40,000 per annum.

Application Details

For the Research Academic and PhD Scholarship Positions direct applications must be made to the contact details listed below for your node of choice:

Laureate Professor Scott Sloan, Centre Director, The University of Newcastle by email at scott.sloan@newcastle.edu.au

Professor Mark Cassidy, Centre Deputy-Director, The University of Western Australia by email at mcassidy@civil.uwa.edu.au

Professor Buddhima Indraratna, Node Leader, University of Wollongong by email at indra@uow.edu.au

Note: Your application must include the email and/or fax addresses of at least three nominated referees.

Further Information

The University of Newcastle: <http://www.newcastle.edu.au/research-centre/cqmm/>

The University of Western Australia: <http://www.cofs.uwa.edu.au/collaborations/arc>

University of Wollongong: <http://www.uow.edu.au/eng/research/geotechnical/index.html>

Closing Date

Applications close on Friday 16 September, 2011.