

Position Title	Professor of Industry Practice in Open Pit Mining Geomechanics
Classification	Level E
School/Division	School of Engineering
Centre/Section	Australian Centre for Geomechanics
Supervisor Title	ACG Director
Supervisor Position Number	305933
Position Number	xxx

Your work area

The Australian Centre for Geomechanics (ACG) is a multi-disciplinary joint venture and UWA Research Centre which provides professional education, training, research and technology transfer services to the mining sector. The ACG works in the disciplines of underground, open pit and environmental mining geomechanics. The overall aim of the Centre is to improve mine safety and productivity.

The Centre's research team conducts projects in the areas of open pit, underground and environmental geomechanics, and provides research positions for UWA Engineering PhD and Masters students. The translation of research outcomes and technology transfer to industry forms part of the Centre's mandate and is an important focus of the Centre. As a result, the Centre has an excellent track record of transferring technology to the resources industry.

Reporting structure

Reports to: ACG Director

Your role

As the appointee you will provide leadership in open pit mining geomechanics. You will develop, promote and conduct applied research, as well as training and technology transfer to the Australian and international resources industries in the field of open pit mining geomechanics.

Your key responsibilities

Identify, develop, conduct and promote research in all aspects of open pit mining geomechanics

Collaborate with engineers and scientists from diverse institutional backgrounds, and foster links and interact with all sectors of geomechanics

Monitor and facilitate efficient and effective management of, and liaison between client and researchers and between researchers in multi-disciplinary projects

Supervise honours and higher degree students

Develop and deliver continuing education short courses, seminars, training materials and international conferences focused on open pit mining geomechanics

Facilitate technology transfer to industry by facilitating meetings and workshops on specific projects and important topics; an, presenting papers at international conferences and seminars
Establish and maintain active contacts with the mining industry
Provide expert advice in geomechanics to the mining industry and stakeholders within Australia and internationally

Your specific work capabilities (selection criteria)

PhD or Masters degree or equivalent scholarly attainment in a relevant discipline of engineering or geological sciences desirable

Ideally, more than 15 years professional experience of which at least five years of demonstratable experience in onsite open pit mining operations

Strong commitment to the mining industry and a willingness to promote geomechanics in Australia and internationally

Proven broad skills in open pit geomechanics

Strong interpersonal and client liaison skills

Proven management and leadership qualities

Demonstrated ability to collaborate with engineers and scientists from diverse institutional backgrounds, and to foster links and interact with all sectors of geomechanics

Highly developed written and verbal communication skills, including strong presentation skills

Ability to work independently, show initiative, problem solve and work productively as part of a team

Special requirements (selection criteria)

Occasional weekend and out of hours work as required

Travel to mine sites and international conferences as required

Compliance

Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including:

The University's Code of Conduct hr.uwa.edu.au/policies/policies/conduct/code/conduct

Inclusion and Diversity web.uwa.edu.au/inclusion-diversity

Safety, health and wellbeing safety.uwa.edu.au/