

ACG Geomechanics Data for Underground Mines Course

8:00–12:30 AWST, 11–13 June 2024 | Industry Hub, EZONE, The University of Western Australia, Perth, Western Australia | Online

This course, facilitated by ACG director Associate Professor Johan Wesseloo, is specifically structured for those requiring further knowledge and training on the gathering and management of geotechnical data and the interpretation and best use in underground mining operations.

Objective: To develop an understanding of gathering, management, analysis, and interpretation of geotechnical data.

Program*

DAY ONE PROGRAM – 11 JUNE 2024*	
07:30–08:00	Registration
08:00	Introduction <ul style="list-style-type: none"> Introduction and background <i>Johan Wesseloo</i> Introduction – Data collection strategy <i>Yves Potvin</i>
10:30	Data Collection <ul style="list-style-type: none"> Field data – Discontinuities <i>Denisha Sewnun</i> Field data – Intact rock <i>Johan Wesseloo</i> Field data – Logging and mapping <i>Denisha Sewnun</i>
DAY TWO PROGRAM – 12 JUNE 2024*	
08:00	Data Collection cont... <ul style="list-style-type: none"> Laboratory data <i>Johan Wesseloo</i> Stress basic concepts <i>Johan Wesseloo</i> In situ stress <i>Johan Wesseloo</i>
10:30	Data Management, Storage and Interpretation <ul style="list-style-type: none"> Data management and QAQC <i>Matthew Musolino</i> Data interpretation – Intact rock and continuum rock mass <i>Johan Wesseloo</i> Data interpretation – Discontinuities <i>Denisha Sewnun</i> Interpretation – Rock mass classification <i>Daniel Cumming-Potvin</i>
DAY THREE PROGRAM – 13 JUNE 2024*	
08:00	Geotechnical Models <ul style="list-style-type: none"> Geotechnical block modelling <i>Denisha Sewnun</i> Models of rock mass fabric <i>Johan Wesseloo</i> Models of in situ stress <i>Matthew Musolino</i>
10:30	Monitoring <ul style="list-style-type: none"> Geotechnical monitoring <i>Daniel Cumming-Potvin</i> Damage data collection <i>Daniel Cumming-Potvin</i>

*Program includes daily short refreshment breaks. Program subject to change.

Who should attend?

Geotechnical engineers, mine managers, mining engineers, mine geologists, mining supervisors and operators, suppliers, mining contractors and mines inspectors may benefit from attending the course. Participation in this event may count towards your professional development hours.

This event will be held both in person and online to facilitate participation from anywhere in the world.

Course facilitator & presenter



Associate Professor Johan Wesseloo
Director
Australian Centre for Geomechanics

Course presenters



Dr Daniel Cumming-Potvin
Project Lead - mXrap
Australian Centre for Geomechanics



Dr Matthew Musolino
Geotechnical Engineer
BHP



Professor Yves Potvin
Professor of Mining Geomechanics
Australian Centre for Geomechanics



Denisha Sewnun
Research Fellow
Australian Centre for Geomechanics