



ACG Geomechanics Data for Underground Mines Course

1:30 pm – 6 pm AWST, 16–18 March 2022 to suit European and African time zones
Theatre Auditorium, Oceans Institute, The University of Western Australia,
Perth, Western Australia | Online

Earlybird
registration
ends 18 Feb
2022

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

Objective: To develop a sound understanding of intact rock strength and rock mass properties, and to become familiar with recognised techniques used to assess these properties.

This course will also be held 8 am – 12:30 pm (15–17 March) to suit the Asian, Australian and North & South American time zones. Visit acg.uwa.edu.au/events/geodata-ug to learn more.

About the course

The properties and behaviour of rock masses are highly variable. They largely depend upon two main components: the properties of the intact rock material, and the discontinuities, which are weakened planes within the rock material. Failure is most likely to initiate along discontinuities.

Course topics include:

- Intact rock strength
- Discontinuities
- Core logging
- Geotechnical mapping
- Stereonets
- Rock mass classification
- Monitoring
- Data collection strategy
- Explain the identification, collation and interpretation of underground mining geomechanics data

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

Course facilitator



Associate Professor Johan Wesseloo
Director
Australian Centre for Geomechanics

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.

PROFESSIONAL DEVELOPMENT HOURS	
UP TO 10.5	PD HOURS

Participation in this event may count towards your professional development hours.

There are sponsorship opportunities available for this event, allowing for the promotion of your product or service to a highly specific audience.

To learn more or express your interest, email events-acg@uwa.edu.au

ACG Geomechanics Data for Underground Mines Course

Course program*

Day One - Wednesday 16 March 2022	
13:30	Welcome and introduction <i>Johan Wesseloo, Australian Centre for Geomechanics</i>
13:40	Data collection strategy <i>Yves Potvin, Australian Centre for Geomechanics</i>
14:10	Intact rock strength <i>Johan Wesseloo</i>
15:10	Discontinuities <i>Denisha Sewnun, Australian Centre for Geomechanics</i>
15:30	AFTERNOON BREAK
16:00	Discontinuities (continued) <i>Denisha Sewnun</i>
16:50	Geotechnical core logging and mapping <i>Denisha Sewnun</i>
17:35	Discussion
18:00	DAY ONE CLOSE

Day Two - Thursday 17 March 2022	
13:30	Stereonet <i>Daniel Cumming-Potvin & Denisha Sewnun, Australian Centre for Geomechanics</i>
14:00	Rock mass classification <i>Yves Potvin</i>
15:00	Rock mass data analyser <i>Denisha Sewnun</i>
15:30	DFN <i>Denisha Sewnun</i>
16:00	AFTERNOON BREAK
16:30	Stress concepts <i>Johan Wesseloo</i>
17:00	Failure criteria <i>Johan Wesseloo</i>
17:30	Discussion
18:00	DAY TWO CLOSE

Day Three - Friday 18 March 2022	
13:30	Stress measurements <i>Johan Wesseloo</i>
14:30	Mine geotechnical monitoring/damage data collection <i>Daniel Cumming-Potvin</i>
15:30	AFTERNOON BREAK
16:00	Mine geotechnical monitoring/damage data collection (continued) <i>Daniel Cumming-Potvin</i>
17:00	Reliability and sampling <i>Johan Wesseloo</i>
17:30	Discussion
18:00	COURSE CLOSE

*This program is subject to change. For updates visit acg.uwa.edu.au/events.

acg.uwa.edu.au/events

ACG Geomechanics Data for Underground Mines Course

1:30 pm – 6 pm AWST, 16–18 March 2022 | Theatre Auditorium, Oceans Institute,
The University of Western Australia, Perth, Western Australia | Online

REGISTRATION FORM

To register online with credit card payment, go to acg.uwa.edu.au/register

CONTACT DETAILS

Please print. *denotes mandatory fields.

*Title (Mr, Mrs, Miss, Ms, Dr, Prof., Other) _____

*Family Name _____

*First Name _____

Preferred Name _____

*Position _____

*Organisation _____

Mine/Dept _____

*Mailing Address _____

Preferred Phone (_____) _____

**Email _____

**All confirmations/event updates will be sent via email.

☐ I am attending this event in-person, COVID-19 permitting.

Please notify us below of any special dietary requirements.

The events authorised attendee list is made available to event attendees, sponsors and exhibitors who may contact you, including electronically.

☐ I give permission for my details to be included in the event attendee list.

☐ I give permission for the ACG to add me to their mailing list.

Update your mailing list preferences at acg.uwa.edu.au/mailling-list-form



Please advise your LinkedIn profile.

linkedin.com/in/_____

ACG Geomechanics Data for Underground Mines Course (2231) | 16–18 March 2022

	Earlybird Paid before 18 Feb 2022	Standard Paid after 18 Feb 2022
Standard	☐ 1,540	☐ 1,760
ACG Affiliate†	☐ 1,320	☐ 1,540
Student^	☐ 220	☐ 440

CRICOS Code: 00126G

† acg.uwa.edu.au/corporate-affiliate

^ Students are required to provide proof of full-time enrolment.

☐ Additional ACG publication purchase.
Full range at acg.uwa.edu.au/shop

Book title _____

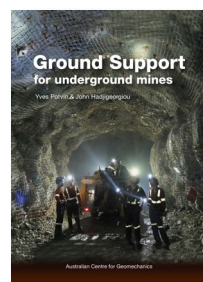
Price _____

Book title _____

Price _____

This is a live event. It will NOT be recorded and will NOT be available on-demand post-event. Course materials will be available post-event.

The Australian Centre for Geomechanics, The University of Western Australia applies restrictions on recording the proceedings of the ACG Geomechanics Data for Underground Mines Course. All unauthorised audio recording, video recording and photography or transmission of the ACG online event material, data or information is expressly prohibited.



The ACG Ground Support for underground mines book is available for purchase at acg.uwa.edu.au/shop/gssso

By submitting this registration, I accept the Terms and Conditions, available at acg.uwa.edu.au/disclaimer

PAYMENT

Total payment AUD _____

Payment to be received by 11 March 2022. All bank fees are the responsibility of the registrant. All prices include GST where applicable. ABN 37 882 817 280

EFT PAYMENT

☐ Electronic funds transfer (EFT) or credit card

Please return this completed form and your purchase order to info-acg@uwa.edu.au and the ACG will send you an invoice with EFT and credit card payment details included.

Purchase order # _____

Please include a copy of the PO.

Contact us:



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