

Photo courtesy of Epiroc

Geotechnical Design for Underground Metalliferous Mines Hybrid Course

8 am–12 pm (AWST), 31 May–4 June 2021 | Online and in-person | Oceans Institute - Theatre Auditorium | The University of Western Australia, Perth, Western Australia

REGISTRATION BROCHURE

About the course

This ACG course will cover the critical geotechnical aspects of geomechanical mine design, including the geomechanical data required for design of mine drives, stopes and pillars. Although the course has a strong emphasis on open stope mining, the main geotechnical issues relevant to most underground mining methods will be included.

A significant portion of the course will be dedicated to numerical modelling, where the basics of different modelling approaches will be covered, and important concepts such as calibration and interpretation of the models will be discussed.

The widely used empirical stability graph method for open stope design will be explained in detail and some of the common mistakes associated with the use of this method in the industry described. Furthermore, new and exciting open stope reconciliation and design approaches currently under development at the ACG will be presented.

The course will take place over five half days. This formula proved very successful for many of the ACG 2020 further education and training events. It provides an opportunity for overseas attendees to participate remotely, and for the live audience to better 'digest' the material with only four hours of lecturing per day.

Who should attend

Mine managers; geotechnical, mining and rock engineers; geologists; suppliers of ground support, instrumentation and monitoring equipment; mining contractors and consultancies; and mines inspectors may benefit from attending this course.

This course will benefit industry practitioners seeking to understand and explore the geotechnical aspects of the mine design process.

Facilitator



Professor Yves Potvin
Professor of Mining Geomechanics
Australian Centre for Geomechanics

DAY ONE PROGRAMME – 31 MAY 2021*

07:30–08:00	Registration
08:00–12:00	Introduction <i>Associate Professor Johan Wesseloo</i> Data for use in design <i>Denisha Sewnun and Associate Professor Johan Wesseloo</i>

DAY TWO PROGRAMME – 1 JUNE 2021*

08:00–12:00	Excavation design <i>Dr Daniel Cumming-Potvin</i> Numerical modelling of ground support <i>Joseph Mbenza</i>
-------------	---

DAY THREE PROGRAMME – 2 JUNE 2021*

08:00–12:00	Stope design <i>Professor Yves Potvin</i>
-------------	---

DAY FOUR PROGRAMME – 3 JUNE 2021*

08:00–12:00	Numerical modelling for mine design <i>Associate Professor Johan Wesseloo</i> Mining methods and geomechanics considerations <i>Professor Yves Potvin</i>
-------------	--

DAY FIVE PROGRAMME – 4 JUNE 2021*

08:00–12:00	Stope reconciliation <i>Professor Yves Potvin and Benoit McFadyen, Université Laval, Canada</i> Pillar design <i>Associate Professor Johan Wesseloo</i>
-------------	--

*Programme includes daily 30 minute refreshment breaks.
Programme correct at time of printing, subject to change.

PERSONAL DEVELOPMENT HOURS

UP TO
17.5

PD
HOURS

Sponsorship opportunities are available for this course. Contact the ACG via events-acg@uwa.edu.au to express your interest.

Geotechnical Design for Underground Metalliferous Mines Hybrid Course

REGISTRATION FORM

CONTACT DETAILS

Register online at acg.uwa.edu.au/register

Please print. *denotes mandatory fields.

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

*Family Name _____

*First Name _____

Preferred Name _____

*Position _____

*Organisation _____

Mine/Dept _____

*Address _____

Preferred Phone (_____) _____

**Email _____

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

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

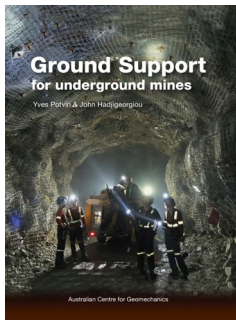
Please notify us below of any special dietary requirements.

The events authorised attendee list is made available to event attendees, 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



The *Ground Support for underground mines* book, as well as many other ACG underground publications, is available for purchase online at acg.uwa.edu.au/shop/gss

Geotechnical Design for Underground Metalliferous Mines Hybrid Course (2105)
31 May–4 June 2021

	Standard	
Standard	<input type="checkbox"/>	2,200
ACG Affiliate†	<input type="checkbox"/>	1,980
Student^	<input type="checkbox"/>	770

† acg.uwa.edu.au/corporate-affiliate

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

CRICOS Code: 00126G

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

The Australian Centre for Geomechanics, The University of Western Australia applies restrictions on recording the proceedings of the Geotechnical Design for Underground Metalliferous Mines Hybrid Course, 31 May – 4 June 2021. All unauthorised audio recording, video recording and photography or transmission of the ACG online event material, data or information is expressly prohibited.

Additional ACG publication purchase.

Full range at acg.uwa.edu.au/shop

Book title _____

Price _____

Book title _____

Price _____

START TIMES IN DIFFERENT TIME ZONES

Perth, Australia AWST (UTC +8)	Mon, 31 May 2021	8:00 am	●
Sydney, Australia AEST (UTC +10)	Mon, 31 May 2021	10:00 am	●
Brisbane, Australia AEST (UTC +10)	Mon, 31 May 2021	10:00 am	●
Johannesburg, South Africa SAST (UTC +2)	Mon, 31 May 2021	2:00 am	●
Cape Town, South Africa SAST (UTC +2)	Mon, 31 May 2021	2:00 am	●
Stockholm, Sweden [†] CEST (UTC +2)	Mon, 31 May 2021	2:00 am	●
Santiago, Chile CLT (UTC -4)	Sun, 30 May 2021	8:00 pm	●
Toronto, Canada [*] EDT (UTC -4)	Sun, 30 May 2021	8:00 pm	●
Montréal, Canada [*] EDT (UTC -4)	Sun, 30 May 2021	8:00 pm	●
Vancouver, Canada [*] PDT (UTC -7)	Sun, 30 May 2021	5:00 pm	●

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 28 May 2021. All bank fees are the responsibility of the registrant. All prices include GST.

ABN 37 882 817 280

PAYMENT

Electronic funds transfer (EFT)

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

Purchase order # _____

Please include a copy of the PO.

Contact the ACG:



Australian Centre for Geomechanics
The University of Western Australia
35 Stirling Highway (M600)
Crawley WA 6009



+61 8 6488 3300



info-acg@uwa.edu.au



acg.uwa.edu.au