

Program
now
available

Geotechnical Engineering for Open Pit Design and Operations Seminar

8:00–12:30 AWST, 28 October – 1 November 2024 | Perth, Western Australia | Online

EARLYBIRD REGISTRATIONS END 13 SEPTEMBER

The ACG is committed to supporting the development of modern, efficient and profitable mining operations throughout the world.

To this end, the ACG presents worldwide training courses and events; the objective of which is to rapidly develop capacity through technology transfer and teaching best practice that enhances mining organisations' profitability and minimises future environmental impacts from their mining operations.

This intermediate seminar will be held both in person and online, facilitating participation from anywhere in the world.

ABOUT THE SEMINAR

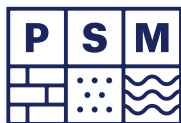
This ACG event will be presented by industry personnel involved in the geomechanical, blasting and hydrogeological aspects of open pit analysis. They bring together a wealth of experience to share with event participants.

The seminar is designed for practical operational personnel, mine planners, mining engineers, geologists, blasting practitioners and anyone involved in day-to-day open cut operations.

Where available, presenter seminar material shall be sent to the attendees prior to the seminar.

DISPLAY SPONSORS

GroundProbe



TOPICS INCLUDE

- Slope optimisation
- Application of three-dimensional methods
- Structural data gathering and interpretation
- Slope monitoring and its interpretation
- Risk management and operational safety
- Slope stability in weak rocks and rock dumps
- Constructing geotechnical models
- Bench design and implementation
- Case studies
- Rockfall and runout
- Hydrogeology
- Blasting
- Mine closure

FACILITATOR



Professor Phil Dight
Professor of Geotechnical Engineering
Australian Centre for Geomechanics

PROMOTIONAL PACK SPONSORS

 **Bastion Geotechnical Pty Ltd**

 **Operational Geotechs**

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Register your attendance at: shorturl.at/kHmPT

acg.uwa.edu.au/events

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SPONSORSHIP

Sponsorship opportunities are available for this event, providing access to a very specific and engaged audience. Contact the ACG for information.

PRELIMINARY PROGRAM*

DAY ONE – 28 October 2024	
07:30	REGISTRATION
08:00	Welcome and introduction <i>Professor Phil Dight, Australian Centre for Geomechanics</i>
08:10	Keeping the geo in geotechnical models <i>Dr Felicia Weir, PSM</i>
Structural data gathering and interpretation	
08:55	Structural data gathering and interpretation <i>Diane Walker, SRK Consulting</i>
09:40	Geotechnical data collection, storage and interpretation <i>Joe Seery, Bastion Geotechnical Pty Ltd</i>
10:25	MORNING BREAK
10:55	Constructing geotechnical models <i>Ian de Bruyn, SRK Consulting</i>
11:40	Laboratory testing for defect shear strengths: a case study comparing natural defects and saw-cut samples <i>James Watton, PSM</i>
12:25	Discussion
12:30	DAY ONE CLOSE
DAY TWO – 29 October 2024	
Case studies	
08:00	Importance of design verification in open pit mining <i>Daniel Strang, PSM</i>
08:45	Corporate risk management in practice – the prevention of a catastrophic outcome and the role of real time monitoring <i>Wouter Hartman, Cartledge</i>
09:30	Case study – design optimisation of a large copper open pit mine in the central Andes, Peru <i>Maximiliano Adrove, MMG Limited, Peru</i>
10:15	MORNING BREAK
10:45	Rockfall hazards and management – a case study <i>Dr Felicia Weir, PSM</i>
11:30	Open pit rockfall: part 1 – rockfall characteristics and risk management <i>Bruce Hutchison, BJH Geotechnical Services</i>
12:15	Discussion
12:30	DAY TWO CLOSE

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DAY THREE – 30 October 2024

08:00	A case study of effective slope monitoring strategy using ground-based radar on wire mesh covered highwall in an iron ore open pit mine <i>Ega Putra, GroundProbe, Indonesia</i>
08:45	Open pit rockfall: part 2 – rockfall mitigation techniques <i>Bruce Hutchison, BJH Geotechnical Services</i>
09:30	Case study: the challenges and learnings from constructing a pit backfill dump into a pit lake, with high tip-heads and legacy pit slope hazards <i>Dr Will Darlington, Grange Resources</i>
10:15	MORNING BREAK
10:45	Newmont Boddington gold mine – a case study <i>Dr Michele Salvoni, Newmont Corporation</i>
11:30	Dealing with a pit instability in saprolites – a case study <i>Christian Holland, AngloGold Ashanti</i>
12:15	Discussion
12:30	DAY THREE CLOSE

DAY FOUR – 31 October 2024

08:00	Critical fault characterisation and modelling for geotechnical slope design at a large open pit gold and copper mine <i>Didy Ramli, Mining One</i>
08:45	The impact of model confidence in slope optimisation, and how we can apply a semi-quantitative approach to define a DAC for routinary use <i>Dr Arturo Maldonado, BHP</i>

Hydrogeology

09:30	Importance of surface water in the slope design process and emerging monitoring techniques <i>Alexander Rogan, PSM</i>
10:15	MORNING BREAK
10:45	Relevance of understanding groundwater to improve pit slope stability <i>Martin Brown, ITASCA</i>
11:30	Use of mine monitoring in risk management and operational safety <i>Dr Neal Harries, Hexagon</i>
12:15	Discussion
12:30	DAY FOUR CLOSE

DAY FIVE – 1 November 2024

08:00	The role of InSAR as a tool for slope monitoring and mine risk management <i>Jessica Morgan, TRE Altamira</i>
08:45	Qualifying and quantifying ground-based radar data for use in pit slope monitoring <i>Sharla Coetsee, Reutech Mining, South Africa</i>
09:30	Title TBA <i>Vincent Gumba, Mount Gibson Iron Limited</i>
10:15	MORNING BREAK
10:45	Blasting initiation sequences for wall control <i>Richard Sullivan, Blast It Global Pty Ltd</i>
11:30	TBA ACG Presenter
12:15	Discussion
12:30	SEMINAR CLOSE

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