

ACG SHOTCRETE DESIGN AND PERFORMANCE WORKSHOP

Thursday 19 October 2017 | Sunset Room, Novotel Surfers Paradise, Gold Coast, Queensland, Australia

Securing the ground is one of the most important processes in underground mining. The main objective is to mitigate the risk of rockfalls and avoid potentially severe economic and safety consequences. Shotcrete is a well-established and popular method of securing the ground.

Workshop objective:

This workshop is aimed at site personnel involved in the design, implementation and quality assurance of shotcrete/fibrecrete in mining. It will address the:

- Use of shotcrete in design
- Mix design
- Requirements for early re-entry
- Monitoring and quality assurance
- Dynamic support
- Shotcrete with mesh and bolts

Who should attend?

All site personnel, supervisors, operators, geotechnical engineers and relevant suppliers and consultants.

The workshop will be presented by practitioners with experience in shotcrete programmes and who are willing to pass on their knowledge in a general forum.

Workshop facilitator:



Professor Phil Dight
Professor of Geotechnical Engineering
Australian Centre for Geomechanics

Programme* – Thursday 19 October 2017

07:30	Registration
08:20	Welcome and introduction Professor Phil Dight, Australian Centre for Geomechanics
08:30	Fibrecrete performance in squeezing ground Ian Hulls, Mining One Pty Ltd
09:10	How shotcrete works: chemistry, aggregates and cement Gary Boon & Dev Kunasagaram, Sika Australia Pty Ltd
09:50	Shotcrete as a support system: how it works Des Vlietstra, Elasto-Plastic Concrete Pty Ltd
10:30	Morning break
11:00	Key aspects of shotcrete logistics and application John Gelson, Normet Asia-Pacific Pty Ltd
11:40	From a single fibre to fibrecrete: making tough shotcrete Mirko Manca, The University of Western Australia
12:20	Lunch
13:20	Mix design Warren Mahoney, BASF Australia Ltd
14:00	Testing leads to failure, and failure leads to understanding Tony Cooper, Elasto-Plastic Concrete Pty Ltd
14:40	Afternoon break
15:10	Shotcrete performance optimisation and audit using 3D laser scanning Carlos Gonzalez, 3D Laser Mapping Ltd
15:50	Design approach for shotcrete in mining Professor Phil Dight, Australian Centre for Geomechanics
16:30	Discussion
17:00	Workshop close

*Programme may be subject to change.

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ACG Shotcrete Design and Performance Workshop (1709)

19 October 2017 | Gold Coast, Queensland, Australia

	<i>Standard</i>
Standard	990
ACG Affiliate†/ AusIMM member	770
Student^	330

† Please visit www.acg.uwa.edu.au/corp_affiliates to view the list of ACG Corporate Affiliates.

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

Please note that workshop proceedings are not for sale.

13th AusIMM Underground Operators' Conference 2017

16–18 October 2017 | Gold Coast | Australia

Hosted by:


AusIMM
THE MINERALS INSTITUTE

www.undergroundoperators.ausimm.com.au

To register for the ACG Shotcrete Design and Performance Workshop, delegates are to contact **The AusIMM** directly, not the Australian Centre for Geomechanics. Please visit www.undergroundoperators.ausimm.com.au/workshops

or email
conference@ausimm.com.au

Australian Centre for Geomechanics:

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 info-acg@uwa.edu.au

Sponsorship opportunities are available for this workshop.

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14–15 May 2018 | Perth, Western Australia

Managing Seismic Risks in Underground Mines
16–18 May 2018 | Perth, Western Australia

Fourth International Symposium on Block and Sublevel Caving
15–17 October 2018 | Vancouver, Canada