

Photos courtesy of Newmont Australia

Underground Mine Backfill Hybrid Seminar

1–5 pm (AWST), 4–7 April 2022 | Online | Perth, Western Australia

SAVE THE DATE

About the seminar

Backfill has evolved considerably over the last century, particularly with the introduction of cemented paste backfill (CPB) over three decades ago. During this time, CPB has become the most widely utilised type of backfill. It has many advantages ranging from its speed of delivery and engineered strength, to environmental advantages due to placing tailings underground and reducing the size of surface tailings storage facilities. This seminar will present an overview of different backfill types, but its primary focus will be on the design, placement, operation, monitoring, performance, and optimisation of CPB systems.

The design and operation of these systems is multifaceted, involving the metallurgical, rheological, hydraulic, mechanical, and geotechnical engineering disciplines, as well as the system's operational personnel. As an underground mine's backfill can account for up to 30% of its operational budget, it is important these different areas work together to produce a system that is functional, optimised and cost-effective. The objective of this ACG seminar, facilitated by Dr Ryan Veenstra, Newmont Australia, is to bring together backfill experts and leaders from around the globe to present a one-of-a-kind hybrid learning experience.

The hybrid event format allows for participation from anywhere in the world.

To view the list of companies that attended the Underground Mine Backfill Hybrid Seminar held in April 2021, visit acg.uwa.edu.au/Backfill-2021-attend

Facilitator



Dr Ryan L Veenstra
Global Backfill Specialist
Newmont Australia

Ryan is Newmont's global backfill specialist, providing technical and operational expertise and leadership for Newmont's underground mines. Over the last 15 years, he has been involved in backfill as an academic, consultant, and on-site engineer and presently coaches and mentors Newmont's backfill engineers in Australia and the Americas.

His expertise and experience cover the entire backfill system with a particular speciality in backfill geomechanics. He has a geological engineering degree from the University of Waterloo and holds a PhD in civil engineering from the University of Toronto.

Topics

- Overview of backfill types, selection and materials
- CPB design
- Plant design
- CPB delivery
- In situ behaviour
- Monitoring
- Operations
- Unique backfill methods
- Case studies

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

PERSONAL DEVELOPMENT HOURS	
UP TO 14.8	PD HOURS

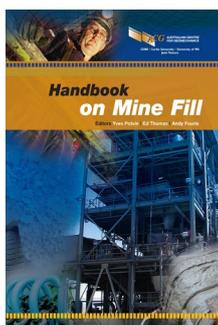
Underground Mine Backfill Hybrid Seminar

Feedback received from the 2021 Underground Mine Backfill Hybrid Seminar:

"Good mix of both academic and practical content relative to many applications."

"Great seminar. All relevant topics to the work that I carry out on a daily basis."

"While the topics were technical, they were easy to follow and the presenters did a great job giving real-world examples for an up-to-date analysis of the mining technologies. Really good presenters and overall structure of the seminar."



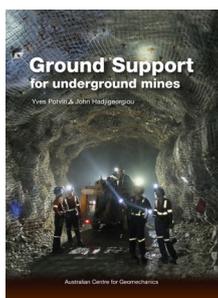
Handbook on Mine Fill

Editors: Yves Potvin, Ed Thomas and Andy Fourie

This book is a summary of the considerable body of mine fill knowledge and experience and provides mining engineers and those responsible for the application of fill with a one stop reference, covering the most significant aspects of fill.

This publication is available for purchase from the ACG online shop

acg.uwa.edu.au/shop/mfill



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/gssso



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24th International
Conference on Paste,
Thickened and
Filtered Tailings

21–23 September 2021
Perth, Australia

acgpaste.com



Seminar start times in different time zones

Perth, Australia AWST (UTC +8)	Mon, 4 Apr 2022	1:00 pm	●
London, United Kingdom* BST (UTC +1)	Mon, 4 Apr 2022	6:00 am	●
Zürich, Switzerland* CEST (UTC +2)	Mon, 4 Apr 2022	7:00 am	●
Paris, France* CEST (UTC +2)	Mon, 4 Apr 2022	7:00 am	●
Rome, Italy* CEST (UTC +2)	Mon, 4 Apr 2022	7:00 am	●
Johannesburg, South Africa SAST (UTC +2)	Mon, 4 Apr 2022	7:00 am	●
Vancouver, Canada* PDT (UTC -7)	Sun, 3 Apr 2022	10:00 pm	●
Toronto, Canada* EDT (UTC -4)	Mon, 4 Apr 2022	1:00 am	●

timeanddate.com/worldclock/converter.html

Online Repository of Conference Proceedings



Accessing geomechanical excellence

Since 2017, there have been over 100,000 paper downloads from the series of International Conferences on Paste, Thickened and Filtered Tailings Proceedings.



There are 378 paste, thickened and filtered tailings related papers freely available on the repository, including the Proceedings of the 11th International Symposium on Mining with Backfill, held in 2014.

View the papers at papers.acg.uwa.edu.au/paste

Data source: ACG internal analysis, May 2021

Contact the ACG:



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