MineClosure

ACG AUSTRALIAN CENTRE FOR GEOMECHANICS

CSIRO | The University of Western Australia | Joint Venture

See inside for list of accepted papers

MINE CLOSURE 2024

26–28 NOVEMBER 2024 | THE WESTIN PERTH, PERTH WESTERN AUSTRALIA

EARLYBIRD REGISTRATION ENDS 17 OCTOBER 2024!

Register here

The series of International Conferences on Mine Closure is a fixture on the calendars of many mining professionals, providing topical and high quality papers and presentations on a range of topics of immediate interest and relevance. A key feature of the conference series is the diversity of disciplines and expertise that come together to focus on the pressing issues facing the mine closure community globally.

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THEMES

Visit acgmineclosure.com/themes to learn more about the connection of mine closure themes to the UN Sustainable Development Goals.

Stakeholders and communities

Closure objectives and criteria

Financing and cost estimation

Relinquishment and legacy management

Landform and engineering design

Surface water and erosion control

Ecosystem reconstruction

Statutory compliance

Contaminant remediation and impact management

SUN | 24 NOV	MON | 25 NOV	TUES | 26 NOV	WED | 27 NOV	THUR | 28 NOV	FRI | 29 NOV
Global Update: Geomorphic Landform Design and Landscape Evolution Modelling Workshop	Monitoring for Safe Closure Workshop	Mine Closure 2024 | Perth, Western Australia			Alcoa site visit SOLD OUT
Pit Lake Closure: Processes, Risks, Opportunities and Planning Workshop	Workshop: Transform. Transition. Transfer.				
	Welcome Function		Conference Dinner		

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MINE CLOSURE 2024

ACCEPTED PAPERS*

KEYNOTE: Social, economic and environmental resilience through mine closures: why collaboration and partnership are key *E Gagen, J Nicholls, S Innis, A Rowntree, D Tang-Lee, D Martin, International Council on Mining and Metals, UK*

KEYNOTE: Recent developments in the science and technology of in situ solvent leaching of tailings for reprocessing, rehabilitation and closure *GRT Jenkin, University of Leicester, UK; C Reven Gibaga, University of Leicester, and British Geological Survey, UK, and Philippine Nuclear Research Institute, Philippines; R Swift, British Geological Survey, UK; AM Tanciongco, John Henry C Gervasio, Rico NM Quierrez, Philippine Nuclear Research Institute, Philippines; S Duddigan, University of Reading, UK; V Selvaraj, J Symons, University of Leicester, UK; Terence LF Menor, University of the Philippines Diliman, Philippines; Y Yan, University of Exeter, UK*

KEYNOTE: A mine ends. Then what? Some reflections on best practice *P Whitbread-Abrutat, Future Terrains International, UK*

Multi-hazard index for assessing the interaction of post-mining hazards *M Al Heib, N Velly, Ineris, France*

Nuclear power renaissance and the challenge of closing legacy uranium mine and mill sites *C Ardito, INTERA, USA; R Hugman, INTERA, Portugal; A Persico, J Sigda, INTERA, USA*

Predictive modelling of slope reliability for a Victorian open pit mine using numerical and artificial intelligence techniques *N Baghbani, T Baumgartl, Future Regions Research Centre, Federation University, Australia*

Performance evaluation of waste rock dump closure cover systems in different climate zones of Turkey *BC Baysal, WSP, Turkey; KK Yılmaz, Middle East Technical University, Turkey*

Envisioning the future: Does imagery help or hinder? *K Beckett, Pershke Consulting, Australia; J D'Urso, CRC TiME, Australia*

Towards a sustainable legacy: integrating net-zero targets into mine rehabilitation and closure planning *B Boshrouyeh, WSP, Australia; S Amari, EY, Australia; R Hattingh, WSP, Australia*

A conceptual risk management framework for post-closure settlement of fill *G Brink, E Heymann, Rio Tinto, Australia*

Observations from a georesistivimeter for timelapse analysis (G.Re.T.A) in a closed red mud tailings storage facility *I Bryson, L Millington, Rio Tinto, Australia*

Risks and cost estimates: the disconnect *GM Byrne, Niboi Consulting, Australia*

Design constraints on a closure design basis and cover options assessment for a gold mine tailings facility in the Canadian Shield *A Cash, D Paszkowski, BGC Engineering, Canada*

How long is long-term? Carrying seismic risk through the post-operational period *P Chapman, E Salfate, WSP, Australia; CN Hatton, WSP, USA*

Fort Collins aggregate mine planning for closure: optimising post-closure land use through mine operations *JS Collyard, M Arigoni, SLR Consulting, USA*

Research-led adaptive management in rehabilitation *L Commander, J Barker, C Blackburn, A Grigg, G Mullins, A Pattinson, Alcoa of Australia, Australia*

Regional-scale post-mining land-use transition: opportunities and challenges for industry and regulators *C Cooper, Integrated Environmental Management Australia, Australia*

Application of remote sensing data to measure erosion on rehabilitated landforms at the Abydos mine *H Crisp, S Mackenzie, S Gregory, Mine Earth, Australia; T Sprenkels, A Slabber, Atlas Iron, Australia*

A novel approach for modelling water quality at mine closure *S Dayyani, M Lopez-Egea, WSP, Canada; J Vandenberg, Vandenberg Water Science, Canada; S Sinclair, Rio Tinto, Canada*

Can deep eutectic solvents and organic acids be used to mobilise copper from tailings while providing a pathway towards rehabilitation? *V De Oliveira, S Duddigan, University of Reading, UK; J Symons, M Whelan V Selvaraj, A Abbott, GRT Jenkins, University of Leicester, UK; M Tibbett, University of Reading, UK*

Ten years of cover performance data and capillary break investigation for leading-practice store-and-release cover trials at Century Mine *P Defferrard, Sibanye-Stillwater, Australia; T Rohde, J Lang, SGME, Australia*

Application of artificial intelligence recognition model methods in the analysis characteristics of closed/abandoned mine resources *J Dong, X Feng, School of Environment and Spatial Informatics, China University of Mining and Technology, China; L Wang, F Liu, China Coal Society, China; B Genc, School of Mining Engineering, University of the Witwatersrand, South Africa; Y Wu, School of Environment and Spatial Informatics, China University of Mining and Technology, China*

Improving landform design using analysis of high-resolution survey data from constructed linear and geomorphic landforms in New South Wales, Australia *S Dressler, CG Waygood, WSP, Australia*

Geotechnical properties of well-compacted coal wash reject for use as backfill in mine rehabilitation projects: literature review and laboratory testing for assessment of settlement characteristics *S Du, S Ghimire, D Piccolo, PSM, Australia*

Design aspects that may be considered for the decharacterisation of mining geotechnical structures with a focus on hazardous tailings dams *F Duarte Azevedo, Progen, Brazil; J Camargo Lima, Geoestável, Brazil*

Comparing coal mine rehabilitation practices in Queensland, Australia with Wyoming, United States of America *J Dunlop, JA Purtill, Office of the Queensland Mine Rehabilitation Commissioner, Australia: M Kuchanur, K Wendtland, Wyoming Department of Environmental Quality, USA*

Integrated closure planning and closure criteria: the road to success ... criteria *J Erasmus, N Coetzer, E-TEK Consulting, South Africa*

Legislative frameworks and sustainable mining practices in South Africa: integrating environmental and socio-economic objectives *J Erasmus, J Potgieter, E-TEK Consulting, South Africa*

Development of a predictive numerical model of water–rock interaction to estimate mining drainage water quality evolution from a waste dump located in northern Chile *N Ferrada, Amphos 21, Chile; E Coene, D Arcos, Amphos 21, Spain; M Bouguereau, Amphos 21, Chile*

*Correct as at 11 October 2024. See acgmineclosure.com for updates.

MINE CLOSURE 2024

ACCEPTED PAPERS*

Environment, social and governance influences on closure cost provisioning and why we need a global standard for reporting closure financial liability *S Finucane, K Beckett, Pershke Consulting, Australia*

Ready, set, close! Assessing social values and community readiness for mine closure and post-closure transitions *S Finucane, Pershke Consulting, Australia*

Rehabilitation process review: a high-level industry survey *R Getty, BHP, Australia*

Completion criteria: the tension between certainty and flexibility *C Gimber, N Shade, ERM, Australia*

Mine closure liability as an environmental, social and governance concept: using a multi-dimensional approach to mine closure liability reduction *G Gregory, M Guerra, R Pedlar-Hobbsa, T Kuzyka, ERM, Canada*

A new method to design post-mining landforms *G Hancock, The University of Newcastle Australia; J Martín Duque, Universidad Complutense de Madrid, Spain; D Welivitiya, The University of Newcastle, Australia*

Groundwater nitrate as a potential contributing source of acid and metalliferous drainage *TR Harck, Hydro Geochem Group, Australia; P Weber, Mine Waste Management, New Zealand; WJ Gemson, Hydro Geochem Group, Australia*

Improved outcomes during infrastructure closure with optimised asset management *C Hermann, D Cannizzo, WSP, Australia*

Development of an ecosystem model for post-mining land use utilising a systems dynamics approach *P Hesketh, M Zevallos, ERM, UK; K Chichakly, isee systems, USA*

How to do better on your next closure plan *K Hill, L Goslin, G Beale, Piteau Associates, South Africa*

Institutional, stakeholder and regulatory constraints to the redevelopment of mine sites to alternative employment-generating land uses: Hunter Valley case study *D Holmes, S Coakes, R Jaeger-Michael, Umwelt, Australia*

A comparative study on the performance of electroosmotic consolidation of fluid fine tailings under constant voltage and constant current configurations *N Jayasiri, AB Fourie, Department of Civil, Environmental and Mining Engineering, The University of Western Australia, Australia; C Vulpe, Department of Mechanical Engineering, The University of Western Australia, Australia*

In which conversations should community stakeholders be involved? *R Joiner, J Brereton, Mine Land Rehabilitation Authority, Australia*

Optimising cover system performance with native vegetation at Mt Whaleback mine to minimise acid and metalliferous drainage risk: a research consortium approach *B Johnson, Okane Consultants, New Zealand; J Gale, R Mejia, BHP, Australia; E Veneklaas, M Leopold, The University of Western Australia, Australia; M Barteaux, Okane Consultants, Canada; M Phillip, Okane Consultants, USA; H Cooper, Okane Consultants, Canada; TE Erickson, D Gibson, The University of Western Australia, Australia; M Clark, Okane Consultants, Canada; E Stock, BHP, Australia; G Taki, D Springer, Okane Consultants, Australia*

Integrated residual void modelling incorporating water balance, hydrogeological and flood modelling, and geotechnical and geochemical assessments for final closure landform risk reduction *L Johnston, R Hattingh, WSP, Australia*

Option analysis to reduce solute loading to surface water receptors from Ranger mine's tailings storage facility *T Jones, A Askar, J Pickens, J Sigda, D Fryar, INTERA, USA; S Paulka, R Stockdale, Energy Resources of Australia, Australia*

Tailings dam closure and declassification: closure optimisation with limited rehabilitation resources *A Kemp, P Chapman, WSP, Australia*

Island mining: a look at the planning to successfully close and rehabilitate Mount Gibson's Koolan Island mine *J King, D Temple-Smith, J Devenny, Mount Gibson Iron, Australia; E Kershaw, Department of Energy, Mines, Industry Regulation and Safety, Australia*

Harmonising engineering and landform design for integrated rehabilitation and closure planning: a case study *L Koekemoer, G van Wyk, E-TEK Consulting, South Africa*

Case study: the financial benefit of the implementation of concurrent rehabilitation (owner fleet versus contractor) *L Koekemoer, J Taljaard, C van Staden, E-TEK Consulting, South Africa*

Challenges of mine closure as a tool for reconciling mining with local communities and conservation units in the Amazon *FE Kutchennski Junior, F Perlatti, AE Marques, JC de Jesus Neto, National Mining Agency, Brazil*

Risk management related to long-term mine gas emissions: feedback from French experience *S Lafortune, A Herbout, O Lefebvre, T Arnone, J Tardivon, P Bigarré, GEODERIS, France*

The renaissance of Rio Tinto's former industrial assets in France: enablers for successful post-mining transitions *C Latham, Rio Tinto, Australia; D Lhuissier, M Mignot, J Solana, Rio Tinto, France*

Microbial species richness under spontaneous plant colonisation in copper mine tailings *JEH Lazaro, National Institute of Molecular Biology and Biotechnology, Philippines; EJ Sioson, Philippine Nuclear Research Institute, and University of the Philippines Diliman, Philippines; JA Aja, J Dayap, KS Bautista, Bureau of Soils and Water Management, Department of Agriculture, Philippines; L Newsome, Camborne School of Mines, University of Exeter, UK; M Tibbett, School of Agriculture, Policy and Development, University of Reading, UK*

Square peg, geomorphic hole: applying geomorphic design principles to established tailings storage facilities *W Lee, H Thomson, SRK Consulting, Australia*

Using a landform evolution model to model the effect of extreme rainfall events on the geomorphic stability of a rehabilitated landform *J Lowry, M Saynor, Office of the Supervising Scientist, Australia; G Hancock, The University of Newcastle, Australia; T Coulthard, University of Hull, UK*

Assessment of extreme precipitation events under climate change scenarios in search of a resilient closure design *C Loyola, I Toro, R González, S Robles, WSP, Chile*

*Correct as at 11 October 2024. See acgmineclosure.com for updates.

MINE CLOSURE 2024

ACCEPTED PAPERS*

Building durable legacies: a holistic approach to closure design for mining landforms *S Mackenzie, E Smedley, Mine Earth, Australia*

Navigating divergent expectations: completion criteria challenges in the Pilbara, Western Australia *S Malan, D Murphy, WSP, Australia*

Completion and monitoring of the geomorphic-based LIFE RIBERMINE project: transference to other abandoned mines *JF Martín Duque, M Tejedor, Faculty of Geological Sciences, Universidad Complutense de Madrid, Spain; P Royal, Génie Géologique, France; C Martín-Moreno, Faculty of Geological Sciences, Universidad Complutense de Madrid, Spain; GR Hancock, The University of Newcastle, Australia; J de la Villa, Spanish Network on Mine Rehabilitation, Spain; M Adoración Solórzano, Regional Government of Castile-La Mancha, Spain*

Geomorphic rehabilitation, landscape evolution and hydraulic modelling, for closure of Cerrejón mine (Colombia) *JF Martín Duque, Faculty of Geological Sciences, Universidad Complutense de Madrid, Spain; GR Hancock, The University of Newcastle, Australia; M Tejedor, Faculty of Geological Sciences, Universidad Complutense de Madrid, Spain; E Bladé, Polytechnic University of Catalonia, Spain; R Sánchez, Universidad Complutense de Madrid, Spain and Vast, Sweden; A Gómez, CA Fuentes, LF Madriñan, JP Lozano, E Castro, Department of Environmental Management, Carbones del Cerrejón Limited, Colombia*

Mine waste disposal in pit lakes: a good practice guide *CD McCullough, Mine Lakes Consulting Pty Ltd, Australia; M Schultze, Helmholtz Centre for Environmental Research – UFZ, Germany; J Vandenberg, Vandenberg Water Science Ltd, Canada; D Castendyk, WSP, USA*

South Australian tailings storage facility: dust emissions study *CS McNaughton, LR Crilleya, F Damoura, J Radevskia, Atmospheric Services Team, WSP, Australia; M Klink, J Allenb, Carrapateena Mine, BHP, Australia*

Progress towards implementing a research agenda for post-mining transitions *T Measham, J Walker, CRC TiME, and The University of Queensland, Australia; F Haslam McKenzie, CRC TiME, and The University of Western Australia, Australia; A Samper, D Brereton, CRC TiME and The University of Queensland, Australia; G Boggs, CRC TiME, and The University of Western Australia, Australia*

Capturing the overburden storage area construction and post-construction period in assessing performance of alternate source control strategies *G Meiers, Mine Closure Management Inc, Canada; MA Pernito, WSP, Canada; J Wilson, Mine Closure Management Pty Ltd, Australia*

Pilot reclamation of a tin mining area using biochar on Bangka island, Indonesia *A Möller, P Schütte, Federal Institute for Geosciences and Natural Resources, Germany; A Saragi, CV Arta Pasada Utama, Indonesia; I Nurul, Regional Development Planning Agency, Indonesia; G Franken, Federal Institute for Geosciences and Natural Resources, Germany*

Circular economy strategy for repurposing coal seam overburden as construction sand in the mining industry *A Morton, enviroMETS, Australia; S Johnston, L Taniane, Hatch, Australia*

enviroMETS Lighthouse Projects: a strategic pathway to high-value sustainable post-mining land use *A Morton, R Merz, enviroMETS, Australia*

Evaluating the environmental and economic impacts of mine void infilling: a case study *A Morton, enviroMETS, Australia; S Johnston, L Taniane, Hatch, Australia*

Mapping tailings storage facilities associated with abandoned mine sites *M Mpanza, Department of Mining Engineering and Mine Surveying, University of Johannesburg, South Africa; J Wistockk, S Rupprecht, Esri, South Africa*

Simulating long-term erosion equilibrium of a rehabilitated mine landform to evaluate the dynamics of land restoration *D Nair, SM Bellairs, K Evens, Charles Darwin University, Australia*

Case study: an assessment of integrated geotechnical considerations during Hazelwood mine lake filling for mine closure using a reliability based approach *S Narendranathan, J Butler, K Kuang, Civil Mine & Quarry Geotechnics, Australia; J Lowe, A Moran, ENGIE, Australia*

It's complex: reframing narratives around the social impacts of mine closure *E O'Keefe, Synergy Global Consulting, UK*

Effective rehabilitation and closure planning: lessons from Base Titanium mine, Kwale, Kenya *N Okello, D Vickers, Base Titanium Limited, Kenya*

Considerations for 2D and 3D slope stability analysis for closure of a tailings storage facility *N Pereira, SH Lines, Red Earth Engineering, Australia; A Arenas, ATC Williams, Australia*

A review of the DUB-GEM project and the applicability of drone-based gamma spectrometry in mine closure and remediation *B Preugschat, Federal Institute for Geosciences and Natural Resources, and Leibniz University Hannover, Germany; C Kunze, IAF Radioökologie GmbH, Germany; B Wiens, Third Element Aviation GmbH, Germany; S Altfelder, Federal Institute for Geosciences and Natural Resources, Germany*

Collaboration with the local community to implement sustainable reclamation projects in the mining area *A Rahma, M Maswahenu, MH Aditama, D Mahendra, AD Rahmandhana, Environmental Department, PT Amman Mineral Nusa Tenggara, Indonesia; A Amril, LN Setiawan Putra, SI Dewi Puspitasari, Social Impact Department, PT Amman Mineral Nusa Tenggara, Indonesia*

Prioritising risks for rehabilitation from a legacy of mining in Western Australia *T Read, Department of Energy, Mines, Industry Regulation and Safety, Australia; M Collard, R Freeman, Advisory Risk, GHD, Australia*

Water treatment development plan for Rio Tinto closure assets *M Remy, Isle Utilities, Netherlands; K Clode, Isle Utilities, Australia; T Motchan, Isle Utilities, Netherland; H Kerr, Isle Utilities, Australia*

The regulatory journey to improving mine closure success in Western Australia *D Risbey, Department of Energy, Mines, Industry Regulation and Safety, Australia*

Rehabilitating and closing a coal tailings storage facility in Central Queensland, Australia: a nonconventional approach based on ecological engineering of pedological processes *B Roddy, Engeny, Australia; L Huang, University of Queensland, Australia; C Lockhart, BHP, Australia*

Three years of barrier cover field trials at Rosebery mine *T Rohde, H Vogler, J Lang, SGME, Australia; J Crosbie, A Pandelis, MMG Limited, Australia*

*Correct as at 11 October 2024. See acgmineclosure.com for updates.

MINE CLOSURE 2024

ACCEPTED PAPERS*

Using bow-ties to provide a clear and transparent mine closure plan *M Ryan, Umwelt, Australia*
Case study: Selbaie mine, Quebec, Canada *C Salewich, BHP, Canada*
From mine waste to engineered growth media: reflecting on how to reduce reliance on topsoil for rehabilitation in Western Australia *E Salfate, M Esmi, L Robertson, WSP, Australia*
Risk-informed closure design at the Hidden Valley mine, Papua New Guinea *A Poole, J Sanders, Klohn Crippen Berger, Australia; S Wakefield, S Watson, Harmony Gold, Australia*
Closing the gap: closure cost estimation trends and pathways to improved maturity *J Sanders, Klohn Crippen Berger, Australia; N Slingerland, WSP, Canada; D Murphy, WSP, Australia*
Monitoring for pit lake planning, filling and use: Why? When? What? *M Schultze, Helmholtz Centre for Environmental Research - UFZ, Germany; J Vandenberg, Vandenberg Water Science, Canada; D Castendyk, WSP, USA; H-P Schleußner, LMBV, Germany; C McCullough, Mine Lakes Consulting Pty Ltd, Australia*
The perfect storm: mine closure in the Latrobe Valley, Victoria *A Scrase, J Brereton, Mine Land Rehabilitation Authority, Australia*
A performance-based approach for calibration and prediction of fine tailings settlement for closure design *T Sharp, M Llano-Serna, C Han, Red Earth Engineering, Australia*
Improving probabilistic predictions of post-closure groundwater solute loads for Ranger uranium mine *J Sigda, A Askar, T Jones, J Pickens, INTERA, USA; S Paulka, I Harvey, R Stockdale, Energy Resources of Australia, Australia*
Integrating the sustainable development goals into post-mining land-use selection *GB Simpson, WSP, Australia; K Ferguson, N Slingerland, WSP, Canada; R Hattingh, WSP, Australia*
Queensland's abandoned mine land program: improving the way we manage abandoned mines in Queensland *A Stones, K Fogarty, A Grabski, T Hall, Department of Resources, Australia*
Development of a safety case for a closed tailings storage facility in the tropics *J Thorp, J Herza, HATS Consulting, Australia*
Understanding and managing groundwater impacted by historical mining beneath the city of Bendigo *N Trotter, M Hoban, Department of Energy, Environment and Climate Action, Australia*
Social outcomes following mine closure: an abundance of good intention undermined by a lack of leverage *L Wall, Shared Resources, Australia*
Don't let the tail(ings) wag the mine: guiding tailings storage facility closure designs for compliance *JM Walls, SRK Consulting, Australia*
The power of collaboration and realism in social transition planning: an improved foundation for success in remote Australia *C Wilson-Clark, WSP, Australia; G Macmillan, Rio Tinto, Australia; R Winn, C Martinez, WSP, Australia*
Considering groundwater dependent ecosystems in closure planning *D Windle, T Weaver, H Pawley, ERM, Australia; C Tolsma, EnergyAustralia, Australia*

*Correct as at 11 October 2024. See acgmineclosure.com for updates.

CO-CHAIRS

Professor Andy Fourie

Professor of Civil & Mining Engineering and Program Director – Future Tails

The University of Western Australia

Professor Mark Tibbett

Professor of Soil Ecology

University of Reading, UK

MINE CLOSURE 2024

ASSOCIATED EVENTS

Global Update: Geomorphic Landform Design and Landscape Evolution Modelling Workshop
24 November 2024 | The Westin Perth, Perth, Western Australia

Pit Lake Closure: Processes, Risks, Opportunities and Planning Workshop
24 November 2024 | The Westin Perth, Perth, Western Australia

Monitoring for Safe Closure Workshop | 25 November 2024 | The Westin Perth, Perth, Western Australia

Workshop: Transform. Transition. Transfer. | 25 November 2024 | The Westin Perth, Perth, Western Australia

CONFERENCE DINNER

The venue for the Mine Closure 2024 dinner is:
Burswood on Swan, 1 Camfield Drive, Burswood WA 6100
Date: 27 November 2024
Time: 18:30 pre-dinner drinks, 19:00 seated for dinner (TBC)

We are delighted to invite all delegates and partners to join us for an evening of good food, wine and networking at the Mine Closure 2024 dinner, to be held in this riverside venue with stunning sunset views back to the city of Perth.

SITE VISIT - NOW SOLD OUT

As part of Mine Closure 2024, the ACG is facilitating a site visit to Alcoa's Western Australian operations.

Date: Friday, 29 November 2024
Time: 08:15-16:30 (approx.)
Venue: Depart The Westin Perth to Huntly Bauxite Mine and Pinjarra Alumina Refinery.

The Alcoa tour will visit the company's Huntly Bauxite Mine and Pinjarra Alumina Refinery taking in a rehabilitated former mining area, as well as a residue storage area at the refinery.

Places are available for up to 50 delegates and will be allocated on a first come, first served basis. Bookings must be placed by Monday 11 November. All seats must be filled for this visit to take place. Please note, this site visit is SOLD OUT.

Learn more at acgmineclosure.com/alcoa-site-visit

Visit acgmineclosure.com/associated-events for full details on events running alongside Mine Closure 2024.

MINE CLOSURE 2024

MINE CLOSURE 2024 SPEAKERS

Darren Murphy
Opening Speaker
Mine Closure Consultant/Mine Repurposing Advocate
Murcox Post Mining Services

Opening address title: Reconciling mine closure

Dr Emma Gagen
Keynote Speaker
Acting Director Environment
ICMM

Paper title: Social, economic and environmental resilience through mine closures: why collaboration and partnership are key

Peter Harvey
Invited Speaker
Global Head of Closure
Rio Tinto, UK

Professor Gawen RT Jenkin
Keynote Speaker
Professor of Applied Geology
University of Leicester, UK

Paper title: Recent developments in the science and technology of in situ solvent leaching of tailings for reprocessing, rehabilitation and closure

Dr Peter Whitbread-Abrutat
Keynote Speaker
Managing Director
Future Terrains International, UK

Paper title: A mine ends – then what? Some reflections on best practice

Freda Ogilvie
Welcome to Country Speaker

Visit acgmineclosure.com/speakers for full details on Mine Closure 2024 speakers.

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Online Repository of Conference Proceedings

Since 2005, the ACG has published highly technical conference papers across the geotechnical mining spectrum, including: underground and open pit mining, paste and thickened tailings and mine closure. This repository aims to provide the mining geomechanics fraternity with open access, peer-reviewed mine closure conference papers that may assist readers to maintain and develop their skills, knowledge and capabilities. View the Online Repository at papers.acg.uwa.edu.au

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