

FROM START TO FINISH

A Life-of-Mine Perspective

A new AusIMM Spectrum Series publication

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FROM START TO FINISH: A LIFE-OF-MINE PERSPECTIVE

The Australasian Institute of Mining and Metallurgy (AusIMM) invites organisations and individuals to support this landmark publication as it strives to capture the importance of integration of social, economic and environmental aspects throughout the full life cycle of mining from start to finish, to enhance value and sustain social license to mine.

Project Overview

This new publication from the AusIMM will focus on life-of-mine socioeconomic and environmental leading practice. The Spectrum Series is a collection of high-quality technical and special-interest volumes published by the AusIMM. The AusIMM Community and Environment Society Committee in conjunction with the AusIMM Publications Committee elected to produce a volume of contemporary life-of-mine papers relevant to mining industry professionals of all disciplines in Australia and overseas. A publication committee of AusIMM subject-matter experts was chosen to oversee production and has reviewed hundreds of peer-reviewed papers to arrive at a best-in-class compilation. The committee comprises Cherie McCullough (Chair), Jan Coetzee, Bruce Harvey, Bruce McCarthy, Corinne Unger, Peter Waters and Stuart Winchester.

Publication is targeted for the first half of 2017.

Content

Selected presenters from the AusIMM's 2016 Life-of-Mine Conference have been invited to develop their abstracts into full papers for this publication. Key papers have also been drawn from previous Life-of-Mine conferences and other selected events, with the authors invited to update their papers to exemplify the best Start to Finish thinking and achievement in 21st century mining. From Start to Finish: A Life-of-Mine Perspective will bring together the full life-cycle of responsible mining in one handy volume.

Why sponsor this publication?

This is an opportunity to contribute to an important publication that will lay the foundation for future life-of-mine work. The publication will be of immense value to mining, minerals processing, geotechnical and civil engineers, geologists, environmental and social scientists, and legal, financial and management professionals who have a role in mine planning, development, operations and/or completion. It will be of equal value to professionals in government and other organisations interacting with mining activities.

Sponsors will get their name in front of industry and government decision makers and achieve respected brand association with the AusIMM and responsible mining.

Further Information

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Draft Contents Listing*

Exploration

Geological Uncertainty – a Key Challenge for Effective Life-of-mine Planning — *M Berry*

Assessing Geoenvironmental Risk Using Intact Materials for Early Life-of-mine Planning – a Review of Established Techniques and Emerging Tools — *L M Jackson, A Parbhakar-Fox, N Fox, D R Cooke, A C Harris, S Meffre, L Danyushevsky, K Goemann, T Rodemann, G Gloy, K Savinova*

Material Characterisation - Avoiding Unnecessary Costs and Failures — *R J Loch and E J Howard*

Project Scoping

Governance and Native Title — *D Brereton*

Relationships between Landform Heterogeneity and Ecological Patterns in Post-mine Rehabilitation Landscape — *A Datar and D R Mulligan*

Understanding the Costs of Company-Community Conflict in Life-of-mine Planning — *R Davis and D M Franks*

Life-of-mine Planning Tools for a Changing Climate– Intuitive, Interrogative, Iterative — *J H Hodgkinson, S Crimp, H Jin, P Kokic and M Grigorescu*

Pre-Feasibility

Weather Patterns Rather than Climate Classification Control Cover Design for Closure — *T Baumgartl and B Richards*

Adequacy of Sampling and Volume Estimation for Premining Evaluation of Potentially Acid Forming Waste – Statistical and Geostatistical Methods — *D Kentwell, A Garvie and J Chapman*

Using Pilot Tests to Improve the Monitoring of Ecological Impacts of Subsidence from Underground Coal Mining — *N B McCaffrey, V Glenn, C Johns, A M Lechner and P D Erskine*

MRC-Wiki' - a Mine Rehabilitation and Closure Knowledge Management Tool for Central Queensland Coal Mine Practitioners —

C J Unger, C J Bond, T Baumgartl, V C Glenn and P Sabourenkov

Feasibility

Valuing Sustainability Drivers in Project Decision-making — *D Lingentelder, A Churr and T Steele-Schober*

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Embedding Closure Planning into Company DNA – the Journey of MMG — *J Crosbie and D Noonan*

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Applying Modern Ecological Methods for Monitoring and Modelling Mine Rehabilitation Success — *A M Lechner, S Arnold, N McCaffrey, A Gordon, P D Erskine, M J Gillespie and D R Mulligan*

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The Analyses of Mine Structures – an Historical Perspective — *B Richards*

Using a Strategic Cumulative Assessment to Inform Regional Mitigation and Local Management — *B Skarratt, F Hill Faskel and L Reilly*

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