

Abstracts received – Mine Planner's Colloquium · 22–23 May 2019

Analysis of the profitability of Mining the Old Gecamines KOV-pit conveyor belt on the existing Mining reserves (Democratic Republic of Congo)

University of Lubumbashi, ISTA-Kolwezi, DRC

Determination of a polynomial correlation between the rolling Resistance, Cycle time and the Fleet size in the KOV pit (Democratic Republic of Congo)

University of Lubumbashi, DRC

Mine Planning Paradoxes

Deswik Mining, South Africa

The competitive advantage of having integrated spatial data systems to quickly respond in crisis events – a demonstration of digitalization

Deswik Mining, South Africa

The integration of Mine planning with Environmental and Rehabilitation planning to develop robust models to compile with future NEMA requirements

Deswik Mining, South Africa

An assessment of the impact of 'free-carry' on mining policy, regulations and the institutional framework for acquisition: a case study of South Africa

University of Pretoria, South Africa

Debottlenecking the Karowe diamond mine

Lucara Botswana (Pty) Ltd, Botswana

Transforming Mine Planning

MineRp, South Africa

Virtual Reality Demonstration of Digital Twin

MineRp, South Africa

Prediction of blast vibrations from Quarries using machine learning algorithms and empirical formulae

University of the Witwatersrand, South Africa

System integration and reduction in time to produce a mine plan

Anglo American, South Africa

Haulage optimization system of MERKY Algorithm

Mining Project Mobile App

School of rock, South Africa

A stochastic block economic value model

University of the Witwatersrand, South Africa

Analysis of the Particle Swarm Optimisation algorithm for application in stope layout optimisation for underground mines

University of the Witwatersrand, South Africa

Demonstration of an operating mine's digital twin – MineRP VR team

MineRP, South Africa

Detailed design and scheduling for reef intersection over-stopping

MineRP, South Africa

Surface haul road design considerations in mine planning

University of Johannesburg

Deep learning: A better way to do resource modelling

Maptek, South Africa