

Surface Mining Masterclass 2019



SAIMM
THE SOUTHERN AFRICAN INSTITUTE
OF MINING AND METALLURGY



4–5 September 2019

Birchwood Hotel & OR Tambo Conference Centre, Johannesburg

Preliminary Programme

Day 1 – Wednesday 4 September 2019

07:00–08:00	Early Morning Registration
08:00–08:05	Welcome Address S.M. Rupprecht, <i>Chairperson</i>
08:05–08:10	Emergency and Safety Briefing Birchwood
08:10–08:20	SAIMM Presidential Opening Address M.I. Mthenjane, <i>Exxaro Resources Ltd, South Africa</i>
08:20–09:00	Scene setting J.G. Taylor, <i>MineRP, South Africa</i>
09:00–10:00	Drilling Session 1 K. Landey, <i>Drill Consultant, South Africa</i>
10:00–10:15	Mid-Morning Refreshments (Review Poster Submissions)
10:15–10:45	Drilling best practice K. Landey, <i>Drill Consultant, South Africa</i>
10:45–12:30	Blasting S. Tose, <i>Global Manager - Mining Optimisation, AEL, South Africa</i>
12:30–13:30	Lunch
13:30–15:00	Equipment selection H. Fourie, <i>Mining Engineer, FTY Mining, South Africa</i>
15:00–15:15	Afternoon Refreshments
15:15–16:00	Equipment costing H. Fourie, <i>Mining Engineer, FTY Mining, South Africa</i>

Day 2 – Thursday 5 September 2019

07:00–08:00	Early Morning Registration
08:00–08:05	Emergency and Safety Briefing Birchwood
08:05–09:30	Geotech B.W. Motlhabane, <i>University of Johannesburg, South Africa</i> - Guidelines - High Wall Stability - Monitoring, M. Bornman, <i>University of Johannesburg, South Africa</i>
09:30–10:00	Mid-Morning Refreshments (Review Poster Submissions)

10:00–12:30	Haul road A. Visser, <i>University of Pretoria, South Africa</i> - Design - Construction - Maintenance
12:30–13:30	Lunch
13:30–14:00	Contract mining S.M. Rupprecht, <i>University of Johannesburg, South Africa</i>
14:00–15:30	Technology advances - Fatigue Management - Proximity Detection - Drones

Poster Presentations

The use of the bulk push dozing method's techniques in an open pit surface mine for waste rock removal to reduce operating costs

I. Sedumedi and P. Nelwamondo, *University of Johannesburg, South Africa*

Optimum pit selection for K04 satellite kimberlite pipe at De Beers Venetia mine: A case for optimum pit selection during transition phases

E. Mushongahande, *De Beers Group, South Africa*

The consequences of inadequate upfront consultation with communities on surface mining operations (a critical review)

P. Nelwamondo and M. Mpanza, *University of Johannesburg, South Africa*

Mining earth moving equipment optimization

RAN Ramalepe and SM Rupprecht, *University of Johannesburg, South Africa*

Truck tub factors and loads per hour - A case study of an open cast coal mine

B. Genc, *University of the Witwatersrand, South Africa*

Characterization of Decision Making in the South African Mining Industry

A.G. Moyo and S.M. Rupprecht, *University of Johannesburg, South Africa*