

Preliminary Programme

Rapid Underground Mine & Civil Access 7–8 August 2017

Sunday 6th August 2017

17:00–19:00 **Pre-registration and welcome cocktail**

Day 1 – Monday, 7th August 2017

07:30–08:30 **Early Morning Refreshments and Registration**

08:30–08:35 **Welcome Address**
M. Macnab, *Conference Chairperson*

08:35–08:40 **Emergency Procedures Presentation**

08:40–08:55 **Opening Address**
C. Musingwini, *SAIMM President*

Session 1 – Session Chair: A. Widlake

08:55–09:35 **Keynote: Save time, save money, get there fast**
G. Potgieter, *Impala, South Africa*

09:35–10:00 **Geotechnical data analysis to select a method for development of a long length, large diameter vertical shaft**
J. Walls, *JeWal, South Africa*

10:00–10:25 **Mid-Morning Refreshments**

Session 2 – Sessions Chair: M. Macnab

10:25–10:50 **Suitability of using TBMs to construct relatively short tunnels**
K. Bäeppler, *Herrenknecht Germany, Germany*

10:50–11:15 **Strategic and tactical machinery operational control imperatives, within the South African context, to succeed in mechanized underground rapid access mining**
T.E. Wakefield, *Murray & Roberts Cementation (Pty) Ltd, South Africa*

11:15–11:40 **Maintaining worker health and safety in high-temperature underground mines**
M.T. Swanson, *Cementation, USA*

11:40–12:05 **Design and construction of the Bored, Two Pass Niagara Water Diversion Tunnel**
R. Delmar, *Hatch Ltd., South Africa*

12:05–13:05 **Lunch**

Session 3 – Session Chair: D. Vogt

13:05–13:30 **Modern mining in the immediate future**
M. Macnab, *South Africa*

13:30–13:55 **Geotechnical block modelling**
K. Balt, *Advisian, South Africa*

13:55–14:20 **Shaft boring as an alternative to conventional mechanized drill and blast shaft sinking**
K. Jordaan, *Master Drilling, South Africa*

14:20–14:45 **Day 1 Conference Close**
M. Macnab, *Conference Chairperson*

14:45–16h00 **Network Cocktail**

Day 2 – Tuesday, 8th August 2017

08:00–08:30 **Early Morning Refreshments and Registration**

08:30–08:35 **Welcome Address**
M. Macnab, *Conference Chairperson*

08:35–08:40 **Emergency procedures presentation**

Session 4 – Session Chair: A. Widlake

08:40–09:20 **Keynote: The modern mine: transforming hard rock mining picture this continuous mining deep underground with our people safely out of harm's way Picture FutureSmart™ mining**
C. Griffith, *Anglo Platinum, South Africa*

09:20–09:45 **Safe and rapid development with oil-free, water-hydraulic technology**
P. Fraser, *Hydro Power Equipment (Pty) Ltd, South Africa*

09:45–10:10 **Mid-Morning Refreshments**

Session 5 – Session Chair: D. Vogt

10:10–10:35 **Construction of 2 Nickel Mines incl. Sinking, Lining and Commissioning of 2,050 m deep Production- and Service-Shafts North of Polar Circle**
R.F. O Kaledin, *Thyssen Schachtbau GmbH, Germany*

10:35–11:00 **Next generation of shaft enlargement boring machine**
A.C. Widlake, *Murray & Roberts Cementation*

11:00–11:25 **Excavating and supporting access ways through the Khalahari red clay of the Budin formation Khalahari manganese field R.S.A**
N. Harte, *METSZA, South Africa*

11:25–11:50 **The latest developments in Blind Shaft Boring**
B. Künstle, *Herrenknecht, Germany*

11:50–12:50 **Lunch**

Session 6 – Session Chair: R. Tluczek

12:50–13:10 **SANCOT**

13:10–13:35 **Mechanization, control and the internet of things**
G. Skinner, *Sandvik, South Africa*

13:35–14:00 **Shaft sinking in soft sediments**
D.E.K. Mulville, *Advisian, South Africa*

14:00–14:25 **Risk analysis and tunnel construction management**
C. Heili, *Mining Consultant, South Africa*

14:25–14:30 **Conference Close and Afternoon Refreshments**