

Final Programme – Mine Planning Colloquium · 6–7 June 2017

Day 1–6 June 2017

07:00–08:00 **Registration Opens & Early Morning Refreshments**

08:00–08:05 **Safety Briefing and Emergency Proceedings**

08:05–08:15 **Welcome and Opening**
M. Woodhall, *Conference Chairperson*

08:15–08:30 **SAIMM Opening Address**
C. Musingwini, *President, SAIMM*

Session: 1

Session Chairperson: M. Woodhall

08:30–09:10 **Keynote: The digital mine**
A. Lane, *Deloitte, South Africa*

09:10–09:35 **Spatial mine to plan compliance at an open pit mine**
T.J. Otto, *Anglo American Kumba Iron Ore, South Africa*

09:35–10:00 **Mine design and scheduling in different mining environments**
C. Ndunguru, *Gleam Company Limited, Tanzania*

10:00–10:25 **A practical and sustainable illustration of bridging the gap between mining technical systems and production controls**
D. Capstick, J. Adu-Mensah, and R. Owusu-Bempah, *Hexagon Geosystems, South Africa*

10:25–10:50 **Mid-Morning Refreshments**

Session: 2

Session Chairperson: B. Genc

10:50–11:15 **The interrelationship between geology and mine planning: theory, reality, feedback loops and complex adaptive systems**
M. Burnett, *Snowden Mining Industry Consultants (Pty) Ltd, South Africa*

11:15–11:40 **Mine planning as part of the ‘system’**
G. Lane, *Vuuma Collaborations (Pty) Ltd, South Africa*

11:40–12:05 **Framework-based planning**
J. van den Berg, *MineRP, South Africa*

12:05–13:05 **Lunch**

Session: 3

Session Chairperson: G. Lane

13:05–13:30 **The role of technology and integrated mine planning in the future of mining in South Africa**
J.G. Taylor, *MineQuest, South Africa*

13:30–13:55 **On-demand strategic decision-making through efficient optimization approaches**
S.E. Terblanche, *North West University, South Africa*

13:55–14:20 **A method to improve open pit optimization for narrow-vein deposits by considering SMUs**
H. Silva, *Datamine, South Africa*

14:20–14:45 **Innovative possibilities created through software and technology interaction**
M. Coelho and H. Botma, *VUMA3D Software, South Africa*

14:45–15:00 **Close Day 1**
M. Woodhall

15:00–17:00 **Network Cocktail**

Day 2–7 June 2017

07:00–08:00 **Registration Opens and Early Morning Refreshments**

08:00–08:05 **Safety briefing and emergency proceedings**

08:05–08:15 **Welcome**
M. Woodhall, *Conference Chairperson*

Session: 4

Session Chairperson: G. Krafft

08:15–08:55 **Keynote: Enhanced mine planning through integration**
F. Fourie, *Anglo American Platinum, South Africa*

08:55–09:20 **Underground LOM optimization using genetic algorithm**
M. Valio and B. Abilleira, *Datamine, South Africa*

09:20–09:45 **Planning: the open pit to underground transition of a diamond mine**
G. Dabula, *De Beers Group of Companies, South Africa*

09:45–10:10 **Bridging the gap between planning systems and mining actuals**
I. Mc Hardy, *Accutrak (Pty) Ltd, South Africa*

10:10–10:35 **Mid-morning refreshments**

Session: 5

Session Chairperson: B. Abilleira

10:35–11:00 **A rapid project evaluation methodology and case study**
G. Krafft, *Cyest IMS, South Africa*

11:00–11:25 **Software technology and its role in the effective mine planning**
N.P. Kapalata, *NP Knowledge (Pty) Ltd, South Africa*

11:25–11:50 **The SAMCODES and their relevance to mine planning**
S. Rupprecht, *University of Johannesburg, South Africa*

11:50–12:15 **On reconciliation**
P. de Kock, *RioTinto, South Africa*

12:15–13:15 **Panel Discussion—Integrated multidisciplinary planning process**
1. Do current Mine Planning tools and Processes meet the requirements of agility for the Mine of the Future?
2. What skills do the Mine Planners of the future require and should they have their own certification?
3. In the pursuit of the integrated mine, should current discipline specific software packages attempt to cut across the discipline boundaries?
4. What does the future of mine planning look like from people, process and technology perspectives?
5. Can technology improve and assist with integration (of information) and collaboration (between people)?

13:15–13:30 **Colloquium Closure**
M. Woodhall, *Colloquium Chairperson*

13:30–14:30 **Lunch**

Colloquium Close