

# MineSafe Conference • 29–30 August 2018—Final Programme

Gallagher Convention Centre, Johannesburg, South Africa

## Day 1 – Wednesday, 29 August 2018

- 07:00–08:00 **Early Morning Refreshments and Registration**
- 08:00–08:05 **Chairperson's Welcoming Address**  
T. van den Berg, *Harmony Gold, South Africa*
- 08:05–08:10 **Emergency procedures presentation**
- 08:10–08:40 **Anglo Coal SA: 100 days of life-saving engagements**  
C. Venter, *Anglo American Coal, South Africa*
- 08:40–09:00 **Question Session**
- 09:00–09:40 **Keynote Address**  
I. Cassim, *MTN, South Africa*
- 09:40–10:10 **Identifying ineffective preconditioning from GPR fracture mapping results**  
Z. Thebethe<sup>1</sup>, E. Kleynhans<sup>2</sup>, and O. Rakumakoe<sup>2</sup>,  
<sup>1</sup>University of the Witwatersrand and <sup>2</sup>Mponeng Gold Mine, South Africa
- 10:10–10:30 **Question Session**
- 10:30–11:30 **Morning Refreshments and Poster Sessions**
- 11:30–12:00 **Re-imagining health in mining**  
C. Badenhorst, *Anglo American, South Africa*
- 12:00–12:20 **Question Session**
- 12:20–12:50 **Investigation and mitigation of vibration at BRPM plant**  
J. Jacobs, *Royal Bafokeng Platinum, South Africa*
- 12:50–13:10 **Questions Session**
- 13:10–14:00 **Lunch**
- 14:00–14:30 **Improvement of dust suppression systems in the coal mining industry**  
I. Labuschagne, *Sasol Mining, South Africa*
- 14:30–14:50 **Questions Session**

### Industry Innovation Showcase

- 14:50–15:10 **Diversity and inclusion in the minerals industry**  
I.J. Geldenhuys, S. Ndlovu, S.M. Rupprecht, and E.J. Walls, *The Southern African Institute of Mining and Metallurgy Committee on Diversity and Inclusion in the Minerals Industry, South Africa*
- 15:10–15:30 **MHSC – the 20-year journey and contributions to OHS in the South African mining industry**  
J. Boshelo, *Mine Health and Safety Council, South Africa*
- 15:30–15:50 **Drilling to zero harm through full automation at Exxaro Grootegeluk Coal**  
J-J. Maré, *Exxaro Grootegeluk, South Africa*
- 15:50–16:05 **Q & A**
- 16:05–16:15 **Day 1 Conference Close**

## Day 2 – Thursday, 30 August 2018

- 07:00–08:00 **Early Morning Refreshments and Registration**
- 08:00–08:05 **Chairperson's Welcoming Address**  
T. van den Berg, *Harmony Gold, South Africa*
- 08:05–08:10 **Emergency procedures presentation**
- 08:10–08:40 **Post-split blasting to create a safe underground mining access portal**  
G. Stenzel, *Glencore Coal, South Africa*
- 08:40–09:00 **Questions Session**
- 09:00–09:40 **Keynote Address**  
A.S. Macfarlane, *Minerals Council South Africa, South Africa*
- 09:40–10:10 **A pillar extraction project on the UG2 reef horizon within a shallow bord and pillar operation at Booyendal mine**  
G.P.G. Betz and B. Watson, *Northam Platinum, Booyendal Division, South Africa*
- 10:10–10:30 **Questions Session**

- 10:30–11:30 **Morning Refreshment and Poster Session**
- 11:30–12:00 **Investigating the impact of support behaviour on large-scale UG2 hangingwall instability**  
S. Liebenberg and M. du Plessis, *Lonmin Marikana, South Africa*
- 12:00–12:20 **Questions Session**
- 12:20–12:50 **Mitigating the current environmental liabilities of mining through treatment of mining-impacted waters towards sustainable mining**  
G.R. Pretorius, *Sibanye Stillwater, South Africa*
- 12:50–13:10 **Questions Session**
- 13:10–14:00 **Lunch**
- 14:00–14:30 **Sibanye-Stillwater gold division RBE safety turnaround**  
A. Fenn, *Sibanye Stillwater, South Africa*
- 14:30–15:00 **Large-scale instability pre-empted through pro-active hazard identification and monitoring in a UG2 panel on Lonmin's Rowland Shaft**  
E. Munsamy, *Lonmin, South Africa*
- 15:00–15:20 **Questions Session**
- Industry Innovation Showcase**
- 15:20–15:50 **Contribution of knowledge and organizational learning initiatives to improve safety in the workplace**  
N. Skeepers, *Disruptive Safety Pty (Ltd), South Africa*
- 15:50–16:10 **ASPASA and health & safety – The smaller mines – surface mines – challenges**  
N. Pienaar, *ASPASA, South Africa*
- 16:10–16:30 **Employee consultation and participation in the co-creation of a behavioural-based initiative through the use of design thinking**  
L. Scott, H. Marsden, M. Spadonie, and M. Goncalves *Conceptualeyes, South Africa*
- 16:30–16:45 **Q & A**
- 16:45–16:55 **Day 2 Conference Close**

### POSTER PRESENTATIONS

- Implementation of full-time employee rehabilitation**  
E. Marais, *Assmang Khumani Mine, South Africa*
- Khumani's HIV wellness programme: Progress towards the 90-90-90 HIV targets**  
P. Barnard and A. Keupilwe, *Assmang Khumani Mine, South Africa*
- The H&S Rep's Survival Guide Isn't it time to rethink how we use this hidden safety resource?**  
J. Tietz, *Disruptive Safety (Pty) Ltd, South Africa*
- Are we mining ourselves into a deep hole of despair**  
M. Bandsa<sup>1</sup>, L. Chipunza<sup>2</sup>, and C. Theunissen<sup>3</sup>, <sup>1</sup>Smart Chaos Consultants, <sup>2</sup>Affinity Development Partners and <sup>3</sup>Mmapula, South Africa
- The new mining code in the DR Congo: Resource nationalism or threat to mining investment?**  
L. Landu and W. Nyanjowa, *Mintek, South Africa*
- Advanced barrier management addresses the three fundamental questions of risk management**  
G. van Loopik, *CGE Risk Management Solutions BV, The Netherlands*
- People, technology, and processes - a partnership necessary for zero harm**  
J. Courtnage, S. Letsoalo, R. Maponya, and J. Pelders, *Mandela Mining Precinct, South Africa*
- Qualitative versus quantitative evaluation of whole body vibration. Are employees a reliable source in determining vehicle vibration risk?**  
D. Kennedy, *CPE Ergomax Holdings (Pty) Ltd*
- Applied ergonomics of mining machinery in African mining industry**  
D. Kennedy and A. Hart, *CPE Ergomax Holdings (Pty) Ltd*