



DIGITALIZATION IN MINING CONFERENCE 2020

14-30 JULY 2020

SAIMM ONLINE

CONFERENCE

Final Programme

Tuesday 14 July 2020

Session 1: Academic

Session Chair: G. Lane, *Vuuma, South Africa*

- 10:00–10:30 **How to transform into data driven mine operation: lessons learned from large operations?**
M. Kahraman, *Gumushane University, Turkey*
- 10:40–11:10 **Is VR, AR and immersive technologies working in the mining sector? How does it fit your digital transformation agenda? How to make it work for you?**
C. Middel, *Dondoo Studios, South Africa*
- 11:20–11:50 **Development of tailor-made in field data collection and reporting tools for multidisciplinary inspections on mines**
R. Sutcliffe and E. Dupper, *SRK Consulting, South Africa*

Thursday 16 July 2020

Session 2: Industry

Session Chair: G. Mishra, *Hatch, South Africa*

- 10:00–10:30 **Digitalization of technical value chains unlocking industrialisation through adoption of value chain standards**
G. Strachan and M. Smeiman, *SABS, Msanda, South Africa*
- 10:40–11:10 **Remote monitoring and diagnostics to improve process performance at Anglo American Platinum**
L. Auret¹ and D. Groenewald², ¹*Stone Three Digital*, ²*Anglo American Platinum, South Africa*

Tuesday 21 July 2020

Session 3: Industry

Session Chair: M. Woodhall, *MineRP, South Africa*

- 10:00–10:30 **How mining companies are leveraging targeted digital tools to unlock value in operations and capital projects**
G. Nel and J. van der Bijl, *McKinsey & Company, South Africa*
- 10:40–11:10 **The application of advanced data analytic techniques to improve productivity in underground coal mines**
L. Mathieson, *Schauenburg Systems (Pty) Ltd, South Africa*
- 11:20–11:50 **Re-imagining mining by delivering connectivity, sensor and digital e-signature technology solutions at Anglo American Platinum's Amandelbult Complex**
E. Brummer, *Anglo American Platinum, South Africa*

Thursday 23 July 2020

Session 4: Strategic

Session Chair: S. Strydom, *Anglo Platinum, South Africa*

- 10:00–10:30 **Mobilaris Mining Intelligence – True digitalization for underground mines**
T. Mwayi, *Epiroc*
- 10:40–11:10 **Enterprise data integration paradigms**
E. Strydom and M. Woodhall, *MineRP, South Africa*
- 11:20–11:50 **Value First...Today, Tomorrow and into the future**
M. Evans, *Partners in Performance, South Africa*
- 12:00–12:30 **Mining Tech Trends 2020: Key technology trends and how they are shaping the industry**
G. Mishra, *Hatch, South Africa*

Tuesday 28 July 2020

Session 5: Strategic

Session Chair: J.J. Verhaeghe, *Mandela Mining Precinct*

- 10:00–10:30 **Why digital transformation is not the silver bullet that many are expecting. How to make it work for you?**
C. Middel, *Middel & Partners, South Africa*
- 10:40–11:10 **Digitalization and optimization in mining**
H. Shah and N. Bliognat, *Yokogawa, UAE and South Africa*
- 11:20–11:50 **Fewzion - Integrated planning and short interval control for rapid improvements in safe production**
J. Aucamp, *Commit Works, South Africa*

Thursday 30 July 2020

Session 6: People and digitalization

Session Chair: S Ramparsad, *Mandela Mining Precinct, South Africa*

- 10:00–10:30 **Digitalization change management – Insights into operational behavior**
G. Skinner, *Sandvik Mining and Rock Technology*
- 10:40–11:10 **Preparing for mines of the future through digital readiness engineering**
C. Bleazard, *Hatch South Africa*
- 11:20–11:50 **Future of workforce in the mining: Mining in the age of 4IR**
G. Mishra, *Hatch, South Africa*
- 12:00–12:30 **Investigating the leadership capabilities that will drive modernization of the coal mining sector through the fourth Industrial revolution**
D. Venter, *University of Johannesburg, South Africa*
- 12:40–13:10 **Humanizing digitalization**
A. Mello, G. Lane, and H. Sinko, *Vuuma, South Africa*