



Diamonds – Source to Use – 2021 Online Conference

Innovation and Technology

9–10 June 2021 Conference

Final Programme

Day 1 – Wednesday 9 June 2021

- 09:00–09:30 **Zoom login**
09:30–09:40 **Zoom Logistics, SAIMM**
09:40–09:50 **Welcome and Opening Address**
T.R. Marshall, *Conference Chairperson*
09:50–10:00 **SAIMM Presidential Address**
V.G. Duke, *Sound Mining Solutions Pty Ltd*

Session 1

Session Chairperson: T.R. Marshall

- 10:00–10:45 **Keynote Address: Building a new diamond company in challenging times**
P. Ravenscroft, *Burgundy Diamond Mines, Australia*
10:45–11:15 **The unique alluvial diamond deposits of the Lower Vaal, Riet and Middle Orange Rivers, Northern Cape Province, South Africa**
L. de Meillon, *Paleostone Mineral Consultants, South Africa*
11:15–11:45 **Accurate underground mine water control, a historical perspective, and guidelines for modern deep underground diamond mines**
K.L. Morton, *KLM Consulting Services Pty Ltd, South Africa*
11:45–12:15 **The Richtersveld Land Claim Case – Supporting valuation for the State Attorney**
A. Van der Merwe¹ and N.P. Lock², ¹*CinnaMine Ltd* and ²*Rhodes University, South Africa*

12:15–12:45 **Lunch**

Session 2

Session Chairperson: J. Clarke

- 12:45–13:30 **Keynote Address: Diamond exploration and mining in Russia: Historical overview and prospects**
V. Ustinov and S. Neruchev, *AGD Diamonds*
13:30–14:00 **Satellite applications in diamond exploration and mine monitoring**
N.C. Steenkamp, S.L. Goosen, and P.J. Bouwer, *Pinkmatter Solutions, South Africa*
14:00–14:30 **Kalahari Diamonds Limited Plc – A case study in diamond property mineral asset valuation**
A. Van der Merwe¹ and N.P. Lock², ¹*CinnaMine Ltd* and ²*Rhodes University, South Africa*
14:30–15:00 **Socio-economic self-sustainability indicators for host communities of mines approaching closure**
L. Pullinger, *SRK Consulting (Pty) Ltd, South Africa*

15:00–15:15 **Break**

Session 3

Session Chairperson: G. Dellas

- 15:15–15:45 **An introduction to the Global Industry Standard on Tailings Management – challenges facing the accountable executive and the engineer of record**
G. Macfarlane, *SRK Consulting (Pty) Ltd, South Africa*
15:45–16:15 **Optimization of preferential mill rubber liners for the diamond industry**
W. Verster and R. Hollenstein, *Multotec Rubber (Pty) Ltd, South Africa*
16:15–16:45 **The need to decarbonize completely by 2050 and the implications**
D.O. Collins, *MAC Consulting, South Africa*

- 16:45–17:30 **Keynote Address: The diamond industry in 2021 – A look at current global diamond supply and demand fundamentals**
P. Zimmisky, *Paul Zimmisky Diamond Analytics, USA*
17:30–17:40 **Day 1 Wrap Up**
G. Dellas

Day 2 – Thursday 10 June 2021

- 08:00–08:30 **Zoom Login**
08:30–08:35 **Zoom Logistics, SAIMM**
08:35–08:45 **Welcome Address**
M. Wertz

Session 4

Session Chairperson: M. Wertz

- 08:45–09:30 **Keynote Address: Challenges and opportunities created by the global climate crisis viewed through a South African perspective**
L. Hockaday, *Mintek, South Africa*
09:30–10:00 **Analytics for effective investment in early stage diamond projects**
S. Coward¹ and J.A.H. Campbell², ¹*Interlaced, Fremantle, Australia*, ²*Botswana Diamonds Plc, Ireland*
10:00–10:30 **From preliminary economic assessment to production**
J.E. Clarke, *Paradigm Project Management (Pty) Ltd South Africa*

10:30 – 10:45 **Break**

Session 5

Session Chairperson: S. Messing

- 10:45–11:30 **Keynote Address: Diamond revenue estimation in a (Post)-COVID World**
C. Gordon-Coker, *De Beers UK Limited, UK*
11:30–12:00 **Diamond plant statistics, process efficiencies, liberation modelling, and simulation: The art of the possible**
G. Dellas, *Independent Consultant and Visiting Lecturer, University of the Witwatersrand, South Africa*

12:00–12:30 **Lunch**

Session 6

Session Chairperson: J. Clarke

- 12:30–13:15 **Keynote Address: Visualization for process optimization**
S.B. Moeti, *De Beers Group Ignite™, South Africa*
13:15–13:45 **Evaluation of secondary diamond (and gemstone) deposits according to the SAMREC Code**
T.R. Marshall, *Explorations Unlimited, South Africa*
13:45–14:15 **Mine reconciliation at a cut above the rest**
B. Abilleira, *Datamine, South Africa*
14:15–14:30 **Break**
14:30–15:00 **The significance of the South African junior diamond mining industry in South Africa - highlighting the challenges and possible solutions**
A. Marengwak, *SADPO*
15:00–15:30 **The South African diamond and precious metals regulator**
A.H. Sefika, *SADPMR*
15:30–15:35 **Conference Close, J. Clarke**