Day 1–Tuesday, 12 June 2017

07:30–08:30 Early Morning Refreshments and Registration
08:30–08:35 Chairperson’s Welcoming Address
T. Marshall
08:35–08:40 Emergency procedures presentation
08:40–08:55 Opening Address
S. Ndlovu, President, SAIMM

Session 1 – Session Chair: T. Marshall

08:55–09:35 Keynote Address: The state of the diamond market
E. Blom, Blom Diamonds, South Africa
09:35–10:00 The role of Hodotermes mossambicus termites and background kimberlite indicators in the Kgalagadi
T. Dira and L. Daniels, Geoeconracts Botswana, Botswana
10:00–10:25 Kimberlite-Country rock contact delineation at Finsch Diamond Mine
T. Khati and M. Matabane, Finsch Diamond Mine (Pty) Ltd, South Africa
10:25–10:45 Mid-Morning Refreshments

Session 2 – Sessions Chair: J. Stiefenhofer

10:45–11:10 TBC
K. Lappeman, Master Diamond Cutter and Diamond Jewellery Consultant, South Africa
11:10–11:35 Performance of laminar spiral inlet cyclone in a diamond DMS application
B. Zimba, Weir Minerals Africa (Pty) Ltd, South Africa
11:35–12:00 De Beers Diamond verification instruments
R. Martineau, De Beers Technologies, United Kingdom
12:00–12:45 Lunch

Session 3 – Session Chair: J. Campbell

12:45–13:10 New Cullinan AG Milling Circuit - A narrative of progress
L. Musenwa, T. Khumalo, M. Kgaphola, S. Masemola, and G. van Wyk, South Africa
13:10–13:35 Practically road mapping the technology and digital transformation in mining
T. Moodley, Hatch Digital, South Africa
13:35–14:00 Geophysical alluvial exploration using the aquaresistivity method
P.M. Brabers, Demco NV, Belgium
14:00–14:15 Afternoon Tea

Session 4 – Session Chair: G. Dellas

14:15–14:40 Diamond exploration and mining in southern Africa: some thoughts on past, current, and possible future trends
W.F. McKechnie, Snowden, South Africa
14:40–15:05 Regional diamond exploration under cover
N. Pendock DIRT Exploration, South Africa
15:05–15:30 Monitoring the performance of DMS circuits using Rhovol technology
M. Fofana and T. Steyn, De Beers Technologies SA, South Africa
15:30–15:55 The future of diamond liberation and recovery
J. Clarke, PPM Projects, South Africa
15:55–16:20 GIA Mine2Market program (M2M)
L. Milner, Mine 2 Market Consultant, South Africa
16:20–16:35 Day 1 Conference Close
G. Dellas
17:00–18:30 Network Cocktail

Day 2–Wednesday, 13 June 2017

08:00–08:30 Early Morning Refreshments and Registration
08:30–08:35 Chairperson’s Welcome
M. Wertz
08:35–08:40 Emergency procedures presentation

Session 5 – Session Chair: M Wertz

08:40–09:10 Keynote Address: Financing diamond projects
J. Campbell, Botswana
09:10–09:45 The art and science of diamond analysis, and what the results can tell us
I.L. Chinn and S.H. Perritt, De Beers Exploration, DBGS (Pty) Ltd, South Africa
09:45–10:10 The importance of grease technology in diamond recovery
J.E. Daroczi, Saskatchewan Research Council, Canada
10:10–10:30 Mid-Morning Refreshments

Session 6 – Session Chair: B. McKechnie

10:30–10:55 The application of XRT in the De Beers Group of Companies
10:55–11:20 Jwaneng 1973 - The untold story
N. Lock, South Africa
11:20–11:45 Operational changes enable Namdeb’s Southern Coastal Mining Team to improve safety, reduce risk and increased productivity as we advance deeper into the Atlantic Ocean
S. Kirkpatrick and J. Mukendwa, Namdeb, Namibia
11:45–12:10 Microdiamond grade as a regionalized variable – some basic requirements for successful local microdiamond resource estimation of kimberlites
J. Stiefenhofer, Anglo American, South Africa
12:10–12:55 Lunch

Session 7 – Session Chair: J. Clarke

12:55–13:20 Coagulation of kimberlitic ore by gypsum
I.F. Kuit, M. Le Roux, and Q.P. Campbell, De Beers, South Africa
13:20–13:45 Application of microdiamond technique in assisting diamond mining juniors to make rapid technical and economic decisions
H. Cronwright, MSA Group Services, South Africa
13:45–14:10 Afternoon Refreshments
14:10–14:35 A practical water savings strategy for the diamond industry
A. Vietti, Vietti Slurrytec (Pty) Ltd, South Africa
14:35–15:00 Application of dynamic simulation for Gahcho Kue Project
A. Lebedev and A. Rodel, Lebedev Consulting, South Africa
15:00–15:25 Field trip guide to Cullinan Diamond Mine
A Wolmarans, T Phahla, and A Rogers, Petra Diamonds Southern Africa (Pty) Limited Cullinan Diamond Mine, South Africa
15:25–15:30 Conference Close
J. Clarke

Thursday, 14 June 2018

Technical Visits
1. DebTech (De Beers Technologies SA)
2. Cullinan Mine
3. Ruzow/Marcov Diamond Cutting Works