

Day 1 – Monday, 10 September 2018

- 07:00–08:00 **Early Morning Refreshments and Registration**
- 08:00–08:05 **Chairpersons Welcome Address**
S.M. Rupprecht, *Senior Lecturer, University of Johannesburg, South Africa*
- 08:05–08:10 **Emergency procedures presentation**
- 08:10–08:25 **Opening Address**
V.G. Duke, *SAIMM Junior Vice President*
- SESSION 1: Session Chair - S.M. Rupprecht**
- 08:25–09:00 **Keynote Address: Learning from each other in fostering a regional approach for ASM transformation in sub-Saharan Africa**
W.K. Mutagwaba, *MTL Consulting Company Limited, South Africa*
- 09:00–09:20 **Re-opening of old gold mines for small-scale mining in South Africa - The process of creating a small-scale mine in a historically mined out South African gold field**
S.M. Rupprecht and J.E. Pieters, *University of Johannesburg, South Africa*
- 09:20–09:40 **Bridging the gap between artisanal and small-scale mining and the large-scale mining sectors in South Africa: Exploring strategies for coexistence**
P.F. Ledwaba and D.G. Modiba, *University of the Witwatersrand, South Africa*
- 09:40–10:00 **Formalization of a roadmap to maximize the contribution of artisanal and small-scale mining in Zimbabwe**
N.Z. Dzimunya, L. Mapamba, G. Dembetembe, K. Dzwiti, and T. Mukono, *University of Zimbabwe, Zimbabwe*
- 10:00–10:30 **Mid-Morning Refreshments**
- 10:30–11:05 **Keynote Address: Towards a harmonious existence? curtailing conflicts between artisanal and large-scale miners in Sub-Saharan Africa**
G Hilson, *University of Surrey, UK (Presentation only)*
- 11:05–11:25 **Growth enabling policy formulating strategies for the Zimbabwean artisanal and small-scale gold mining sector**
G.G. Dembetembe, T. Mukono, L.S. Mapamba, and N. Dzimunya, *University of Zimbabwe, Zimbabwe*
- 11:25–11:45 **Occupational health services in the mining sector – Perceptions of key informants in nine southern African countries**
L. Lebina, N. Martinson, A. Kinghorn, N. Koloane, M. Nkuta, A. Ringane, N. Coulson, D. Limpitlaw, G. Nelson and M. Milovanovic, *University of the Witwatersrand, South Africa and Johns Hopkins University, USA*
- 11:45–12:05 **Legal and illegal mining in South Africa**
N. Tobose and S. Motloung, *North-West University (NWU), South Africa*
- 12:05–13:00 **Lunch**
- SESSION 2 Session Chair - P. Ledwaba**
- 13:00–13:20 **Concentration of alluvial Bakerville diamond gravels for possible presence of G10 diamonds**
A. Nemaxwi, T. Legoale, and N.M. Sosibo, *Mintek, South Africa*
- 13:20–13:40 **Strategies for sustainable gold processing in the artisanal and small-scale mining sector in Zimbabwe**
T. Mukono¹, G.G. Dembetembe¹, L.S. Mapamba¹, T.O. Ngoro¹, N.Z. Dzimunya¹, and T. Mabikire², ¹University of Zimbabwe and ²Ministry of Mines and Mining Development, Zimbabwe
- 13:40–14:00 **Amenability of typical small-scale gold deposits to gravity separation techniques**
R.S. Moeletsi, G. Marape, N.M. Sosibo, and N. Singh, *Mintek, South Africa*
- 14:00–14:20 **Small-scale chrome tailings beneficiation plant for community upliftment**
D.M. Tlhabane, G. Marape, N.M. Sosibo, and N. Singh, *Mintek, South Africa*
- 14:20–14:40 **Afternoon Refreshment**
- 14:40–15:00 **Strengthening value chains for the coloured gemstones in Namibia**
H.K. Musiyarira, M. Pillalamarry, and D. Tesh, *Namibia University of Science and Technology, Windhoek*

- 15:00–15:40 **Cyanide dynamics in catchment areas affected by artisanal gold mining in Burkina Faso**
L.C. Razanamahandry^{1,2,3}, H.A. Andrianisa¹, H. Karoui¹, H. Yacouba¹, E. Manikandan^{2,3,4}, and M. Maaza^{2,3}, ¹International Institute for Water and Environmental Engineering, Burkina Faso, ²University of South Africa (UNISA), ³Nanosciences African network (NANOAFNET), South Africa, and ⁴ Thiruvalluvar University, Vellore, India
- 15:40–16:00 **Conference Close**

Day 2 – Tuesday, 11 September 2018

- 07:00–08:00 **Early Morning Refreshments and Registration**
- 08:00–08:10 **Chairpersons Welcome Address**
S.M. Rupprecht, *Senior Lecturer, University of Johannesburg, South Africa*
- SESSION 3: Session Chair - B. Chuene**
- 08:10–08:50 **Keynote Address**
N. Mutemeri (to be presented by P. Ledwaba), *University of the Witwatersrand, South Africa (Presentation only)*
- 08:50–09:10 **Artisanal mining on the ruby fields of Mozambique – a case study**
P. Allan, *Independent Precious Stones Consulting Geologist*
- 09:10–09:30 **Zama-zamas: Artisan mining as a survival strategy in post-mining communities— Ermelo, South Africa**
O. Koathai, *University of the Witwatersrand, South Africa*
- 09:30–09:50 **Shaft sinking for small-scale mining in Africa**
S.M. Rupprecht, *University of Johannesburg*
- 09:50–10:10 **Building a case for zama-zama mining as a viable livelihood in South Africa. Artisanal mining in Kimberley as a case study**
P.F. Ledwaba, A.A. Debrah, and C. Rutledge, *University of the Witwatersrand, Action Aid South Africa*
- 10:10–10:40 **Mid-Morning Refreshments**
- 10:40–11:00 **Artisanal gold mining and its environmental stress at abandoned Louis Moore mine in the Limpopo Province of South Africa**
S.E. Mhlongo, F. Amponsah-Dacosta, R. Magodi, and K.C. Sithole, *University of Venda, South Africa*
- 11:00–11:20 **The social organization of ASM and its historical relationship with LSM in the Eastern Highlands of Zimbabwe**
N. Chipangura, *University of the Witwatersrand, South Africa*
- 11:20–11:40 **Reframing artisanal gold mining as a livelihood strategy and the role of law in constituting various livelihood assets**
M.I. Chuma, *University of the Witwatersrand, South Africa*
- 11:40–12:40 **Lunch**
- SESSION 4: Session Chair - T. Zvarivadza**
- 12:40–13:00 **The impact of the South African environmental regulatory framework on artisanal small-scale mining**
M. Sitefane, *LNP Attorneys Inc., South Africa*
- 13:00–13:20 **Reasons artisanal small-scale mining projects often fail after acquisition of the mine**
U.A.Q. Ahmed¹ and M. Munshi², ¹Consulting Metallurgical & Mining Investments Analyst, and ²Strategy Consultant, South Africa
- 13:20–13:40 **Exploratory and feasibility studies of stone resource for rock aggregate production at Babanana Village**
N.A. Mahlaule and F. Amponsah-Dacosta, *University of Venda, South Africa*
- 13:40–14:10 **Afternoon Refreshment**
- 14:10–14:30 **Technological investigation of clayey deposits for potential industrial utilization in Makhado Municipality (South Africa)**
G.O. Akintola, S.E. Mhlongo, F. Amponsah-Dacosta, and K.E. Matsiketa, *University of Venda, South Africa*
- 14:30–14:50 **Characterization of the raw materials and burnt clay bricks manufactured at Dididi Village, Limpopo Province, South Africa**
K.E. Matsiketa, F. Amposah-Dacosta, S.E. Mhlongo, and G.O. Akintola, *University of Venda, South Africa*
- 14:50–15:10 **Inside the poverty trap: An assessment of women's work at informal gold mines in Ghana**
C. Kumah, *GIMPA, WIMGH*
- 15:10–15:30 **Conference Close**