

TAILINGS 2026 – WHERE TO NOW?

MARCH 2026 CONFERENCE

3-4 MARCH 2026 – CONFERENCE | 5 MARCH 2026 – TECHNICAL VISIT
Indaba Hotel, Spa and Conference Centre, Fourways

ECSA and SACNASP Validated CPD
ActivityCredits = 0.1 per hour attended

Supported by SAIEG In partnership with MMMA and SAICE



FINAL PROGRAMME

Conference Day 1 – Tuesday, 3 March 2026

- 07:30-08:30 **Registration Opens & Early Morning Refreshments** (Injabulo Exhibition Hall)
- 08:30-08:35 **Welcome and Opening Address**
L. Spies, *Conference Chairperson, SRK South Africa*
- 08:35-08:40 **Safety Briefing**
Venue official
- 08:40-8:55 **SAIMM Presidential Address**
T.M. Mmola, *SAIMM Incoming President*
- 08:55-09:35 **Keynote Address: The Gold Fields tailings journey towards GISTM conformance: Can we sustain the momentum?**
J. Boshoff, *Goldfields, South Africa*

Session 1 – General Management, Governance, Risk (Auditorium)

Session Chair: L. Spies, *SRK, South Africa*

- 09:35-09:55 **Collaborative accountability: Empowering roles in TSF governance and risk management**
M. Brink, C.R. Mtshali, G.C. Howell, N.G. Macfarlane, *SRK Consulting, South Africa*
- 09:55-10:05 **Sponsor Presentation**
A. van Willingham, *Fraser Alexander* 
- 10:05-10:15 **Sponsor Presentation**
Eco Elementum Investments (Pty) Ltd 
- 10:15-10:35 **Mid-morning Refreshments**
- 10:35-10:55 **The challenge of GISTM adherence for smaller mining operations in remote parts of the world and the case for a GISTM-Light process**
G.V. Price, *Klohn Crippen Berger, Australia*
- 10:55-11:15 **Towards developing geotechnical engineers as tailings storage facility engineers of record**
A.H. Kirsten, L.H. Kirsten, D. Johns, *Klohn Crippen Berger, Australia*

PARALLEL SESSION

Session 2 – Geotechnical (Auditorium)

Session Chair: G. Howell, *SRK, South Africa*

- 11:15-11:35 **Towards common ground for classifying tailings according to their metallurgical and geotechnical properties**
A.J. Vietti¹, N.C. Steenkamp², ¹*Vietti Slurrytec Pty (Ltd)*, ²*Independent Consultant, South Africa*
- 11:35-11:55 **Characterisation of the reworked residual norite in the Rustenburg Region of South Africa**
E. Zannoni¹, T. Grobler², G. Heymann³, ¹*Knight Piésold Consulting*, ²*SRK Consulting*, ³*University of Pretoria, South Africa*
- 11:55-12:15 **Reliable design with limited data: Characteristic strength selection for slope stability assessment**
H.A. Brandao¹, L. Kirsten¹, R. Duque¹, P. Delpont¹, T. Jibiki², A. Fourie³, ¹*Klohn Crippen Berger*, ²*Rio Tinto*, ³*University of Western, Australia*
- 12:15-12:35 **Clay-soil a history of theoretical approaches to strength and the way forward**
A. Smith, C.J. MacRobert, *Stellenbosch University, South Africa*
- 12:55-13:55 **Lunch**

Session 3– Metallurgical/Water (Ingidini)

Session Chair: K. Morton, *KLM Consulting Services, South Africa*

- 11:15-11:35 **Geochemical characterisation of re-mined copper tailings in Democratic Republic of Congo – best practices that can be adopted in South Africa**
M.G. Dube, S. Hareeparsad, *WSP Africa, South Africa*
- 11:35-11:55 **New method for tailings valorisation**
S. Mxinwa, A. Kotsiopoulos, S.W. Robertson, *Mintek, South Africa*
- 11:55-12:15 **TSF-specific water balance as a standard practice**
A. Scholtz, K. Uderstadt, L. de Villiers, G. Howell, *SRK Consulting, South Africa*
- 12:55-13:55 **Lunch**

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Session 4– (Auditorium)

Session Chair: E. Kleinhans, Harmony, South Africa

13:55-14:35 **Keynote Address: The Jagersfontein tailing dam failure**
S.W. Jacobz, University of Pretoria, South Africa

14:35-14:45 **Sponsor Presentation**
Kaytech 

14:45-14:55 **Sponsor Presentation**
Knight Piesold 

14:55-15:15 **Afternoon Refreshments**

Session 5 – New technologies/ Design, construction, operation (Auditorium)

Session Chair: L. de Koning, Fraser Alexander

15:15-15:35 **Adapting to change: Filtered tailings and the future of tailings management**
K. Naidoo, V. Balakistan, WSP Africa, South Africa

15:35-15:55 **Improving tailings dewatering with ATA for paddocked buttress formation: A pilot study**
J.C. van der Linde¹, E.D. Brooks², C. Spagnuolo¹, A.J. Fischmann³, J. Raath⁴
¹Clean TeQ Water, South Africa, ²Stitchwise, South Africa, ³Clean TeQ Water, Australia, ⁴Harmony Gold, South Africa

15:55-16:05 **Sponsor Presentation**
KCB Australia (Pty) Ltd 

16:05-16:25 **Assessment of causeway-induced loading on penstock towers**
S.C.T. Luis, T. Armstrong, SRK Consulting, South Africa

16:25-16:45 **Evaluating mine tailings reuse potential through geotextile dewatering**
N. Budhai^{1,2}, G.W. Rathod², ¹WSP Africa, ²University of Witwatersrand, South Africa

16:45 **End of Day 1**

16:45-19:00 **Networking cocktail function (Epsom Courtyard)**

Conference Day 2 –Wednesday, 4 March 2026

07:30-08:30 **Registration Opens & Early Morning Refreshments (Injabulo Exhibition Hall)**

08:30-08:35 **Welcome and Opening Address**
L. Spies, Conference Chairperson, SRK South Africa

08:35-08:45 **Safety Briefing**
Venue official

08:45-08:55 **Update on SANS standard**
A. Copeland, South Africa

Session 6 – Geotechnical/ Closure (Auditorium)

Session Chair: G. Howell, SRK, South Africa

08:55-09:35 **Keynote Address: Introducing the Global Tailings Management Institute**
J. Hex, GTMI, South Africa

09:35-09:55 **Assessment and mitigation of slope stability risks for TSF closure**
P. Sharma¹, M. Govender², ¹WSP India, ²WSP Africa

09:55-10:15 **State-dependent undrained strength envelopes for gold tailings from NorSand simulations**
J. Swanepoel, Knight Piésold, South Africa

10:15-10:35 **Cross-calibrated in-situ shear strength of gold tailings from CPTU, Vane Shear, and NorSand modeling**
J. Swanepoel, Knight Piésold, South Africa

10:35-10:45 **Mid-morning Refreshments**

10:45-10:55 **Sponsor Presentation**
Metso South Africa (Pty) Ltd 

10:55-11:05 **Sponsor Presentation** 
Enprotec

11:05-11:45 **Keynote Address: From commitment to conformance: Tracking global tailings management progress**
E. Gagen, ICM, United Kingdom (Online)

11:45-12:05 **Undrained shear strength selection within a critical state framework**
L.H. Kirsten, H.A. Brandão, F.D. Walsh, L. Murray, Klohn Crippen Berger, Australia

12:05-13:05 **Sponsor Presentation**
Hatch Africa (PTY) Ltd 

13:05-13:15 **Sponsor Presentation**
Transvaal Rubber Company (Pty) Ltd 

13:15-14:15 **Lunch**

Session 7 – Monitoring (continued) (Auditorium)

Session Chair: S. Maharaj, Implats, South Africa

14:15-14:35 **A new tool for tailings storage facility management: Insights from archived satellite imagery**
V. Nell¹, B. Forrest², ¹PhotoSat, South Africa, ²PhotoSat, Canada

14:35-14:55 **Seeing the unseen - Improved InSAR surface displacement monitoring with MDA CHORUS**
J. Baek¹, D. Hickson¹, P. Oliver¹, R. Morin¹, R. Podmore², ¹MDA Space, Canada, ²Leica Geosystems Pty Ltd, South Africa

14:55-15:15 **Installation of an advanced monitoring network for a Tailings Storage Facility**
A. Hertenberger¹, E.C. Lukombo², K.L. Morton³, M. Msitsini³, T.M. Namane³, ¹Tecwise Africa, South Africa, ²Catoca Mining Society, Angola, ³KLM Consulting Services Pty Ltd, South Africa

15:15-15:35 **Afternoon Refreshments**

Session 8 – Monitoring (Auditorium)

Session Chair: A. Bovim, Insight Terra, South Africa

15:35-15:55 **The application of remote sensing techniques in mapping abandoned tailings storage facilities in the West Rand, Gauteng South Africa**
L. Nqasha¹, M. Mpanza², ¹University of the Witwatersrand, ²University of Johannesburg, South Africa

15:55-16:15 **Combining real-time and scheduled monitoring of upstream raised TSFs and a filter stack – why both are required**
D. Johns, J. Olivier, Klohn Crippen Berger, Australia

15:55-16:15 **Advances in integrated performance monitoring of Tailings Storage Facilities**
A. Bovim, Insight Terra, South Africa

16:15 **End of Day 2 and conference close**