



## Rocscience Africa Conference 2022 Schedule

All times are as per GMT + 0

### DAY 1: AUGUST 2

8:45–9:15 **OPENING CEREMONY**

9:15–10:00

**KEYNOTE**

**Prof. Thomas Stacey**

Rock Engineering Contributions from Africa, and Important Considerations in Rock Engineering Practice

10:00–11:00

**SESSION 1: Numerical Modelling for Geotechnical and Hydrogeological Applications**

10:00–10:20

**RAC 002: A Comparative Study of 2D and 3D Slope Stability Analysis using Shear Strength Reduction Finite Element Technique: Case Study of Sishen Open Pit Mine Slope, South Africa**  
Ngubentombi L., Kalumba D., Dlokweni T., Adebisi N.O., Chebet F.C.

10:20–10:40

**RAC 005: Groundwater Parameters Estimation for Nzoia Basin using NAM Mike 11 Runoff Model**  
Mureithi S.

10:40–11:00

**RAC 010: Prediction of the Behavior of a Sand Compacted Slope under Strip Footing Loading**  
Djelabi S., Karoui H., Bouassida M.

11:00–11:15

**Coffee Break**

11:15–12:15

**SESSION 2: Stability Analysis of Open Pit Slopes I**

11:15–11:35

**RAC 018: Stability, Risk and Economic Analysis of the Huni Pit Steepened East Wall - A Case Study**  
Seidu M., Andrews P., Olaleye M. B.

11:35–11:55

**RAC 012: Remediation Plan of Hazard zone at Cut 3 South at AngloGold Ashanti Iduapriem Mine**  
Fordjour D. O., Yamoah S.A., Antwi W.

11:55–12:15

**RAC 013: Flexural Toppling in a Shear Zone Controlled Environment: A Case Study from a Gold Mine in West Africa**  
Chindedza T., Tuitz C., Mossop D.

12:15–13:15

**Lunch Break**



- 13:15–14:00 **KEYNOTE**  
**Prof. Samuel Ampadu**  
The Use and Abuse of the Dynamic Cone Penetrometer in Site Investigation in Developing Countries
- 14:00–15:00 **SESSION 3: Stability Analysis of Open Pit Slopes II**
- 14:00–14:20 RAC 004: 3D Limit Equilibrium Analysis and Risk Appraisal of Hondo Waste Rock Stockpile Designs  
Cobián, J.C., Bautista M.M., Bar N., Hammah R.
- 14:20–14:40 RAC 001: Quantification and Justification of Seemingly Over Conservative Support to Combat Major Rockfalls at Mooikraal Colliery, South Africa  
Motlhabane WB.
- 14:40–15:00 RAC 009: Tambali North Pit West Wall Slope Failure Instability Analysis  
Sanogo H.
- 15:00–15:15 **Coffee Break**
- 15:15–15:45 **KEYNOTE**  
**Ms. Jeanne Walls**  
Integration of Diverse African Skills and Technology for Advanced Global Rock Mechanics Solutions in Mining
- 15:45–16:45 **SESSION 4: Modelling of Civil Slopes**
- 15:45–16:05 RAC 003: Chiffa Rock Mass Classification using Seismic P-wave Measurements (Blida, Algeria)  
Benamghar A.
- 16:05–16:25 RAC 016: Modelling of Potential Modes of Failure Due to the Presence of Discontinuous Features on Hill Slopes, Yaounde, Cameroon  
Bissaya R., Medjo R. E., Ghogomu R. T., Njom B.
- 16:25–16:45 RAC 017: Cave Stability Assessment Using Rock Mass Classifications and Empirical Approaches: Application to caves in Africa  
Benrabah A., Bordehore L. Jordá, Dominguez S. Senent
- 19:00–21:00 **COCKTAIL & NETWORKING**  
Entertainment to be provided by National Dance Ensemble



**DAY 2: AUGUST 3**

9:00–9:45

**KEYNOTE**

**Prof. Denis Kalumba**

Landfill Liner Interface Shear Resistance Testing – The Southern Africa Experience

9:45–10:45

**SESSION 5: Analysis of Underground Excavations**

9:45–10:05

**RAC 008: A Case Study from India on Tunnel Boring Machine Driving under Low Overburden**

Barman D.

10:05–10:25

**RAC 020: Skin/Crush Pillar Design and Stability Assessment to Prevent or Minimize Paste Dilution from Adjacent Primary Stopes**

Kaleba G.N.

10:25–10:45

**RAC 021: Subika Underground SLS Sill Pillar and Rockfill Monitoring Instrumentation**

Quainoo M., Afranie M., Ennin R., Bawuah G., Annan J.

10:45–11:00

**Coffee Break**

11:00–11:30

**KEYNOTE**

**Prof. Fidelis Suorineni**

Learning from the Past and Present to Drive the Future

11:30–12:00

**KEYNOTE**

**Mr. John Isaac Kwofie**

Foundation Failure in Open Pit Slopes

12:00–12:45

**SPECIAL SESSION**

**Planetary Geomechanics**

12:45–13:45

**Lunch Break**

13:45–14:45

**SESSION 6: Geotechnical Analysis of Tailings Dams and Civil Slopes**

13:45–14:05

**RAC 015: Approaches to Improve Stability of Existing and New tailings Storage Facilities-Case Studies**

Masengo E.

14:05–14:25

**RAC 007: Analytical Analysis of the M'HAOUDATT Pit Slopes**

Hemed A., Ouadif L.

14:25–14:45

**RAC 011: Reliability Slope Stability Analysis of Geosynthetics Reinforced Tailings Dams: A Platinum Mine Case Study**

Mudenge T. S., Kalumba D.

14:45–15:15

**COFFEE & CLOSING REMARKS**