

25 - 28
September
2023



UNESCO 9th Africa Engineering Week & 7th Africa Engineering Conference 2023

PROGRAMME

CSIR International Convention Centre,
Pretoria, South Africa



Poster Papers Session 2B – Ruby

Tuesday, 26th September 2023

9:00 - 10:30

PLENARY SESSION: DIAMOND

TEA BREAK 10:30-11:00

11:00 - 11:30

ICT KEYNOTE ADDRESS: Dr Mukondeleli Grace Kanakana-Katumba (Tshwane University of Technology Executive Dean: Engineering and Built Environment)

11:30 - 13:00

ICT HYBRID SESSION: Chairperson – Mr Ada Dienga

1. Digital Transformation, a Catalyst for Africa's Economic Growth (Lone Batshegi et.al)
2. A Review of Technologies and Recent Developments in Urban Air Mobility (Makhabane Molapo)
3. Digital Transformation: Utilising Automaton to Optimize Design Processes: from the perspective of Consulting Engineering (Aasif Bapoo et.al)
4. Digitally Transforming Processes in Civil Engineering and The Built Environment with BIM: A Glance at BIM Across the African Continent (Shuaib Yunos)

LUNCH BREAK 13:00-14:00

14:00-15:30

Global reach initiatives: Prof Elizabeth Taylor

IEA: The African experience; Panel session: Jones Moloisane (ECSA): Chair of the session; TC Madikane; Institute of Engineers Mauritius; Engineering Institute of Zambia(IEZ); Council for the Regulation of Engineering in Nigeria (COREN); Engineers Registration Board Kenya (ERB)

TEA BREAK 15:30-16:00

MAIN AUDITORIUM: DIAMOND

SOCIAL AND EVENING FUNCTIONS

18:00



Poster Papers Session 3B – Ruby

Wednesday, 27th September 2023

9:00 - 10:30

PLENARY SESSION: DIAMOND

TEA BREAK 10:30-11:00

11:00 - 11:30

MINING KEYNOTE ADDRESS: Prof Glen Nwaila (University of Johannesburg Head of Department: Mining Engineering & Mine Surveying)

11:30 - 13:00

MINING HYBRID SESSION: Chairperson Prof Teresa Hattingh

1. Mine's Robust Erosion Mitigation System Required to Convey Clean Mine Runoff Safely to the Receiving Environment (Zwelibanzi Richard Hendrick Mahlangu)
2. Investigating the Adsorption Mechanisms and Thermodynamics of Alkaline Gelatinised Novel Depressants on Pyroxene Surface (Walter Amos Ngobenja et.al)
3. Unsupervised Clustering of coal plant operation models using GMM-LSTM models (Makomane Dorothea L. Sekhoto et.al)

LUNCH BREAK 13:00-14:00

14:00-15:30

FAEO Regional Strategic Meetings

TEA BREAK 15:30-16:00

MAIN AUDITORIUM: DIAMOND

SOCIAL AND EVENING FUNCTIONS

18:00

