



5TH YOUNG PROFESSIONALS CONFERENCE

A SHOWCASE OF EMERGING RESEARCH AND INNOVATION IN THE MINERALS INDUSTRY

20-22 SEPTEMBER 2021

2 CPD POINTS

Innovation and research into mining technology is necessary to position Africa as a world leader in minerals production and beneficiation. The Young Professionals Council is pleased to host a unique, two-day conference that will showcase a broad range of emerging research and innovation from young professionals in the metals and minerals industry. Presentations will focus on new technology, tools and techniques relevant to exploiting Africa's mineral resources safely, competitively and sustainably.



OBJECTIVES

- a broad range of topics covering the entire mining value-chain will give a quick sense of developments in the field of mining and metallurgy
- a large body of research at Masters, PhD and Post-doctoral level will give insights into emerging themes and advances in the minerals and metals knowledge-areas
- a focus on innovative practices, technological applications and case-studies from mining operations and research institutions will give the practicing professional an opportunity to learn about new tools and techniques relevant to their work
- a gathering of diverse professionals within the metals and minerals community will give delegates an opportunity to obtain exposure, build reputations, further their careers and network with peers and leaders in the African Minerals Industry

SPONSORS



WHO SHOULD ATTEND

This conference should be of value to all professionals across the entire minerals industry value chain, including:

- All metallurgical fields
- Exploration
- Geology
- Geotechnical engineering
- Leadership/management/government/community
- Mining
- Occupational Hygiene and SHE practitioners
- ICT experts
- Mechanical, electrical/electronic engineers
- Mineralogy

EXHIBITION/SPONSORSHIP

Sponsorship opportunities are available. Companies wishing to sponsor or exhibit should contact the Conference Co-ordinator.

To ensure the health and safety of our industry during the Covid-19 pandemic, we will be hosting this event online. You can still claim your CPD points for online attendance

FOR FURTHER INFORMATION, CONTACT:

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TOPICS

Technical papers on design, research and development and current practices and processes in the following areas; amongst others:

GEOLOGY, MINERALOGY AND ANALYTICAL SUPPORT SERVICES

- Exploration
- Resources and reserves evaluation
- Permitting and compliance
- Sampling and Geostatistical analysis

METALLURGY AND PROCESS

- Extractive
- Physical
- Beneficiation

MINERAL RESOURCE MANAGEMENT

- Rock engineering and slope stability
- Mine planning and optimisation
- Survey and valuation
- Ventilation and occupational environment management

MINING (SURFACE & UNDERGROUND)

- Mine design and engineering studies
- Material handling
- Shaft sinking
- Equipment

MINERAL POLICY AND MINERALS ECONOMICS

- Governance, compliance, transformation
- Policy making and regulations
- Project valuation and finance
- Investment decision making

SUSTAINABILITY

- Stakeholder relations
- Mine reclamation and closure
- Risk management
- Environmental and waste management
- Energy and Water engineering/management
- Community welfare

HUMAN CAPITAL & TALENT MANAGEMENT

- Education
- Training and skills development
- Industrial relations

OTHER

- Occupational health and safety
- Product marketing (supply and demand)
- Civil, Mechanical and Electrical engineering
- Information and Communication Technology (ICT)