

Mining

TECHNOLOGY CONFERENCE

19-20 JULY 2018

EMPERORS PALACE CONVENTION CENTRE, JOHANNESBURG



Objectives

- To discuss the latest technologies available for mining
- To discuss regulation and policy changes with reference to the future development of mining.
- To build a deeper understanding of knowledge gaps in mining companies' innovation efforts.
- To explore the broader challenges faced by the mining sector and how technological innovation can solve them.
- To examine the role of technology in mining.
- To unearth different innovation types and how they can unlock greater business value.

Speakers Include:

Andrew Lane
Energy & Resources Lead, Africa
Deloitte

Eric Croeser
Managing Director
IoT.nxt

Danie Burger
Managing Director
CMTI Consulting

Tony Bell
Chief Sales Officer
Decision Inc.

Nick Bell
CEO
Decisions Inc.

Jorina van Rensburg
Managing Director
Condyn

Stephen Hodgson
Commercial Director
Redpath Mining SA

Pieter Smit
Director
Falcon & Hume Attorneys

Deloitte.



CONDYN



IoT.nxt
bridging the edge

DECISION INC.



CMTI Consulting (Pty) Ltd



Mining
Technology
Strategy

**FALCON
& HUME**



**REDPATH
SOUTH AFRICA**

Organised by



**VUKANI
COMMUNICATIONS**
- Synergy - Purpose - Growth

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Background to Conference

For more than 100 years, mining has been a mainstay of most national economies in Southern Africa – propping up governments and citizens through healthy wages and GDP. Angola, Botswana, Namibia, South Africa, Zambia, Zimbabwe – to mention a few countries – all owe a significant chunk of their economic development to tracts of copper, coal, gold, diamond and platinum ores that lie in their bellies.

Needless to say, minerals are a finite resource – with time, mining shafts have gone deeper and deeper into the ground, posing a mortal danger to mine workers due to heat and tectonic instability, which the Chamber of Mines South Africa credits for some of the 76 mining fatalities in 2017. Add to that the fact that the mining business has always been subject to the commodity cycle; fluctuations in supply and demand combined with increasing costs of production – the difficulty of accessing good quality seams and the declining quality of existing seams – have meant that profit margins have been under more pressure than ever over recent years.

This has necessitated calls for innovation on the local mining ventures' part; but sadly, in this area, mining operations in Southern Africa have been slow to adapt to the changing economic and technological times. Various recent reports have lamented the antiquated modes of production that still persevere in the mines as they did fifty years ago. One expert went as far as giving gold mining only fifteen years if it refuses to reform and adopt modern mining methods. Compare that to Kankberg Gold Mine in Sweden, whose underground operations have had gone fully miner-less and pioneered in 5D internet technology in the past three years.

According to a recent global research study by telecommunications company Inmarsat, technological shifts, such as using the Internet of Things to turn mechanical processes into digital ones through automation technology, will be absolutely crucial to achieving this. The future of mining will ultimately rely on combining human creativity and experience with technology's ever more sophisticated ability to collect, process and analyse vast quantities of data, and effective adopters will be able to overcome the industry's current challenges through increased productivity and efficiency, and the redeployment of the human resources to more sophisticated roles as automated technology takes on more dangerous tasks. With the world calling for more humane treatment of the environment and safer working conditions; the mining industry needs technological solutions to its core operations; which include:

- mobile fleet and mine electrification
- alternative energy solutions

- sustainability strategies
- autonomous systems
- connectivity, IoT, cloud solutions, artificial intelligence and machine learning
- virtual, augmented and mixed reality solutions
- waste water and site remediation

Against this backdrop, the Mining Technology Conference will be addressing the most critical areas in the relationship between mining and the technology revolution. Scheduled for the 19th and 20th of July 2018 at the Emperors Palace Convention Centre in Johannesburg, the event will see experts share innovation insights and discuss how innovations like automation, drones, mobile applications, mine-planning software, 3D Mapping, data analytics and alike are enhancing productivity and improving cost management. It will be two days of high-quality technology and mining investment content.

Target Audience

- Mining and Mining Engineering
- Mineral Exploration
- Mine Development
- Geoscience
- Metallurgy
- Environment and Safety
- Facilities Engineering
- Resources Development
- Functional Materials
- Financial/Investment Consultants
- Drilling and Excavation
- Research and Development
- Technology Developers and Consultants
- Designing and Planning
- Managing Directors
- Head of Productivity
- Head of Data and Data Analytics
- Chief Technology Officers
- Chief Information Officers
- Head of Systems Integration
- Head of Innovation
- Operations Leaders
- Head of Technology
- Head of Procurement
- Head of Continuous Improvement
- Systems Engineer
- Head of Automation
- Mining Services
- Mining Technology Companies
- Clean Tech Companies
- Energy Services
- Professional Services



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REGISTRATION FORM

To register, please complete form below

Please indicate your choice of payment method

Bank Transfer

Cash Deposit

Banking Details

Vukani Communication Consultancy (PTY)

First National Bank

Account No. 62584405867, Account Type : Cheque

Branch Name : Randburg Square

Branch Code: 261750

FEE R7 999 Excl Vat per person

Conference fee above INCLUDES the following entitlements: Entrance to session, registration pack, daily lunch and refreshment breaks.

Registration fees above EXCLUDES the following entitlements: Travel costs and accomodation.

REGISTER NOW

Terms and Conditions

The following terms and conditions will apply

- Vukani Communication reserves the right, due to circumstances beyond our control, to change speakers, conference content, date and venue.
- The signed registration form is a binding contract.
- No seats will be reserved unless Vukani Communications receives a signed registration form.

SUBSTITUTIONS:

- Delegate Substitution. Substitution is welcome at any time and do not incur any additional charges. Please notify Vukani Communication in writing of any such changes at least 3 days before the date of the event.

- Please note that the speakers and topics were confirmed at the time of publishing however circumstances beyond the control of the organizers may necessitate substitutions, alterations or cancellations of the speakers and/or topics.

- As such, Vukani Communication reserves the right to alter or modify the advertised speakers and/or topics if necessary. Any substitutions or alterations will be updated and sent to you as soon as possible.

- Delegate substitution must be made in writing 7 days before the start of the event.

CANCELLATION:

- By signing and returning the registration form, the authorizing signatory on behalf of the stated company is subject to the following terms and conditions.

- Charge of 50% of the Registration Fees, plus R700 (+VAT) Administrative charge will be made for cancellations received in writing at least 14 working days prior to the event.

- For any cancellations received in less than 7 working days before the date of the event, the full fee will be payable and no refunds or credit notes will be given.

- If registered delegate does not cancel and fails to attend the summit, this will be treated as cancellation and no refund or credit will be issued

Participant 1:

Designation:

Company / Organisation:

Email:

Phone:

Participant 2:

Designation:

Company / Organisation:

Email:

Phone:

Participant 3:

Designation:

Company / Organisation:

Email:

Phone:

Postal Address:

Person dealing with accounts:

Country:

Company VAT No:

Email Address:

Signature:

Date :

By completing and signing this form, the signatory accepts the terms and conditions as stated on the registration form.

Email the registration form to getrude@vukanicomms.co.za or fax to 0865527176