

# The Wits Mining Institute WMI SEMINAR

29 TO 30 AUGUST

2024

## Curious frontiers: Merging knowledge, innovation, data and minerals for sustainable change

The Origins Centre, West Campus,  
University of the Witwatersrand

Register  
Online

### DAY 1: 29 AUG | 21st Century mining technology and WMI exhibition

#### MC: Ingrid Watson

The highlights of day 1 will include the WMI team and Industry presenting their current trends, **research and demonstrating technological developments**. The panel discussions, featuring thought leaders from Wits and Industry, will probe the **topical issues of Digital technologies and Cybersecurity**.

TIME	ITEM	SPEAKER/S
07:30 – 08:30	Arrival and registration	Beverley Segaletsho & Mandisa Mvula
08:30 - 08:45	Safety Brief	<b>Bongiwe Ndulua</b> Origins Centre
08:45 - 09:15	Welcome by the Dean of the Faculty of Engineering and Built Environment	<b>Thokozani Majozi</b> Dean of Faculty of Engineering and the Built Environment
09:15 – 09:45	Keynote	<b>Alex Fenn</b> Head of Innovation, Sibanye-Stillwater
09:45 - 10:15	Tracking the Sustainability Trends in the Mining Sector	<b>Jayne Mammatt</b> Deloitte Partner, Sustainability, Climate Change & Equity
10:15 - 10:45	Securing the Future: A Controls-Based Approach to Integrating IT, OT, IoT, and IIoT in South Africa's Mining Sector	<b>Justin Westcott</b> Chief Technology Officer, Datagr8
10:45 – 11:15	<b>BREAK</b>	
11:15 - 11:45	OT Cybersecurity – Lessons learnt	<b>Iyer Mogisen</b> Technology Executive, Accenture
11:45 - 12:15	21 <sup>st</sup> Century Digital Technologies	<b>Ahsan Mahboob</b> Head of Sibanye-Stillwater Digimine Lab, WMI
12:15 - 13:15	PANEL DISCUSSION: Digital Technologies and Cybersecurity	<b>Jean-Jacques Verhaeghe</b> (Moderator) Programme Manager, Mandela Mining Precinct (MMP) <b>Elaine Swart</b> Digital Innovation Hub Lead, Sibanye-Stillwater <b>Chrisna Evans</b> Senior Manager, Smart Mining SA <b>Dale Sparrow</b> Chief Executive Officer, Cyberate <b>Muludumina Shimaponda-Nawa</b>

**More Information:**  
Lileen Lee at [Lileen.Lee@wits.ac.za](mailto:Lileen.Lee@wits.ac.za)

UNIVERSITY OF THE  
WITWATERSRAND  
JOHANNESBURG

**WITS MINING INSTITUTE**

**Sibanye** we are one  
**Stillwater**

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		Research Lead, RTIMS, WMI
<b>13:15 - 14:00</b>	<b>Lunch, Poster &amp; Exhibitions</b>	
14:00 - 14:20	Audience Wellness	<b>Poloko Monaheng</b> Project Lead: Sculptors Health & Wellness Ecosystem
14:20 - 14:50	TBC	<b>Conroy van Westhuizen</b> CCSRO & Acting CPO, Glencore
14:50 - 15:20	Responding to the challenge of operating sustainable mines in the age of ESG	<b>Pogiso Mthimunye</b> Innovation Lead: Operations, Exxaro
15:20 - 16:00	Afternoon Tea – Student Posters Voting & Partner Exhibitions	

## DAY 2: 30 AUG | 21st Century mining technology and WMI exhibition

The highlights of day 2 will include the WMI team and Partners presenting their current research and demonstrating technological developments. The panel discussions, featuring thought leaders from Wits and Industry, will probe the topical issues of **Integrated Critical Raw Materials Research**.

TIME	ITEM	SPEAKER/S
08:00 - 08:15	Welcome & Recap	<b>Ingrid Watson</b> Research Lead: SATCAP, WMI
08:15 - 08:45	Welcome and Introduction	<b>Robin Drennan</b> Director for Research Development, University of the Witwatersrand
08:45 - 09:15	Keynote	<b>Niel Pretorius</b> Chief Executive Officer, DRD Gold <b>Glen Nwaila (Moderator)</b> Associate Professor, School of Geosciences <b>Sietse van Woude</b> Senior Executive, Minerals Council <b>Sifiso Siwela</b> Principal Consultant and Africa Manager, CSA Global at ERM
09:15 - 10:15	PANEL DISCUSSION : Integrated Critical Raw Materials Research	<b>Anthony Anyimadu</b> Vice President in Mineral Processing, Amira Global <b>Imraan Valodia</b> Pro Vice-Chancellor: Climate Sustainability, and Inequality
10:15 - 10:45	<b>BREAK</b>	

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10:45 - 11:10	The ESG Impacts Lens Dashboard for assessing Socioeconomic Transformation, Impact of Automation, and Change Impacts	<b>Vishaylin Mahadeo</b> Consultant: The Research Institute for Innovation and Sustainability, Mandela Mining Precinct <b>Wessel Botha</b> Senior Researcher, Enterprises University of Pretoria
11:10 - 11:35	Integrated Mining: Bridging Applications for a Connected Value Chain	<b>Hugh Maleka</b> Mining Technology Specialist, Ramjack
11:35 - 12:00	TBC	<b>Kamaal Ravjee</b> SmartMine Business Development Manager, Schaunenburg
12:00 - 12:20	Audience Wellness	<b>Poloko Monaheng</b> Project Lead: Sculptors Health & Wellness Ecosystem
12:20 - 12:45	Importance of Software in Mining	<b>Brent Vernon</b> Regional Sales Manager, OPTRON (Pty)Ltd.
12:45 - 13:10	Optimising Mining Operations with Drilling Navigation Systems	<b>Tiyane Hobyane</b> Business Development Manager, SITECH SA (Pty)Ltd.
13:10 - 13:35	ESG and Technology: Fraser Alexander shaping the future of Tailings Management and Circular Economy	<b>Pabalelo Selema</b> Excellence Principal, Fraser Alexander
13:35 - 13:45	Vote of Thanks	<b>Ingrid Watson</b> Research Lead, SATCAP
13:45 - 14:30	<b>LUNCH</b>	
14:30 - 15:30	DigiMine Visit	<b>Ahsan Mahboob</b> Head of Sibanye-Stillwater DigiMine Lab, WMI

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## SPONSORS



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