

# GMG-SAIMM FORUM

March 12-13, 2025 | Johannesburg, South Africa



**Welcome to this pivotal event, where we bring together South Africa's mining industry professionals to explore the future of mining through innovation and sustainability.**

As the sector evolves, it faces pressing challenges, from decarbonization and safety imperatives to embracing cutting-edge technologies like AI, automation, and battery electric vehicles.

Over 2 days, we'll hear demonstrations and case studies and dive deep into practical strategies to address these obstacles and drive transformative change.

You will also gain valuable insights into the GMG guidelines and white papers and ongoing collaborative projects, learning how these frameworks can support your journey toward operational excellence and sustainability – and how you can tap into the network of mining professionals participating in open collaboration around the globe.

Through collaborative discussions, industry insights, and forward-thinking solutions, this event offers you the tools to navigate the complexities of the mining industry, optimize operations, and lead the charge towards a sustainable and technologically advanced future.

## Themes covered:

Harnessing AI and the Applications of Data

Decarbonization and Electrification: The Path Forward

New Technologies and Approaches for Maximum Impact

Achieving Value through Full-Site Integration

## Hosted by



**Andrew Scott**  
Ambassador | GMG

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## AM

## Harnessing AI and the Applications of Data

- 7:30-8:00 am **Registration, Networking and Coffee**
- 8:00-8:05 am **Safety Share**
- 8:05-8:10 am **Welcome:** Elias Matinde, President, SAIMM
- 8:10-8:30 am **Welcome and Event Objectives:** Andrew Scott, Ambassador, GMG
- 8:30-9:00am **Harnessing AI in Mining: Strategies, Ethical Considerations, and Real-World Applications:**  
Louis Coetzee, Senior Manager (Data and Artificial Intelligence), Accenture
- 9:00-9:30 am **The Role of AI in the Future of Mining – From Hype to Practical Impact**  
Fanie Terblanche, Managing Director at Elytica, a subsidiary of Epiroc
- 9:30-10:00 am Coffee Break
- 10:00-11:00 am **Panel | Harnessing AI and Applications of Data in Mining**  
AI is revolutionizing mining by enabling predictive maintenance, optimizing resource allocation, and advancing autonomous haulage and mineral exploration. This panel will explore AI readiness in the sector, including infrastructure, workforce upskilling, and ethical considerations. Experts will discuss practical strategies for AI adoption, its role in driving sustainability through energy optimization and emissions reduction, and insights from other industries. Attendees will gain actionable knowledge on integrating AI into operations while balancing innovation, efficiency, and responsible implementation.
- Panelists:
- Gargi Mishra, Advisory Council Member, Women in Mining Business - WIMBIZ SA (Moderator)
  - Shaun Vorster, Partner, Forvis Mazars
  - M. Ahsan Mahboob, Head of Sibanye-Stillwater Digital Mining Laboratory, Acting Director of the Wits Mining Institute (WMI), Wits Digimine
  - Izel Koegelenberg, Business Development Manager, Deswik
- 11:00 am-12:00 pm **Working Session | AI in Mining: Tackling Industry Challenges with Smart Solutions**  
As the industry navigates increasing complexities—ranging from operational inefficiencies and workforce shortages to sustainability goals and real-time decision-making—AI and data analytics are proving to be game-changers. Participants will work together to identify actionable strategies for integrating AI into mining operations.



## PM

## Decarbonization and Electrification: The Path Forward

- 12:00-1:00 pm Lunch Break
- 1:00-1:30 pm **Decarbonization Strategy Overview**  
Itumeleng Mogatusi-Sekgota, Sustainability Planning and Pathways Specialist, Anglo American
- 1:30-2:30 pm **Working Session | Decarbonization: Working Together on Practical Solutions**  
Now only 5 years away from 2030, what is it going to take to achieve those emissions targets and beyond? During this working session participants will work together to identify practical solutions to achieve success.
- 2:30-3:00 pm Coffee Break
- 3:00-3:30 pm **Case Study on Electrification – Road to Net Zero**  
Andrew Scott, Ambassador, GMG
- 3:30-4:30 pm **Panel | Energy Management, Decarbonization, and South Africa's Energy Strategy**  
This session will focus on technical and operational strategies for reducing mining's carbon footprint through energy efficiency, electrification, and alternative energy sources like hydrogen, solar, and wind. Panelists will examine South Africa's unique energy landscape as both a producer and consumer, alongside regulatory and policy considerations impacting energy transitions. Attendees will gain actionable insights into optimizing energy use, integrating renewables, and navigating decarbonization pathways while maintaining operational efficiency.
- Panelists:
- Stan Pillay, Lead: Carbon and Innovation, Anglo American (Moderator)
  - Sudhir Thakurdin, Senior Process Engineer, Hatch
  - Brian Huff, Vice President of New Technologies, Sandvik
  - Thabani Mlilo, Managing Director, Moahi Sustainable Solutions, and Adjunct Professor, University of Cape Town



## AM

### New Technologies and Approaches for Maximum Impact

7:30-7:55 am **Networking and Coffee**

7:55-8:00 am **Day's Objectives:** Andrew Scott, Ambassador, GMG

8:00-8:30 am **Technology Adoption in Mining: Lessons from Research and Practice**  
Matete Shoroma, Senior Mining Engineer, De Beers

8:30-9:00 am **Exploring the Untapped Potential of Immersive Technologies for the Mining Industry**  
Ashley Nell, Consultant, Realm Digital

9:00-10:00 am **Panel | Enabling Value from Emerging Technology**  
This panel will explore how mining companies can maximize the value of emerging technologies such as automation, AI, and digitalization. Experts will discuss overcoming implementation challenges, ensuring interoperability, and driving measurable improvements in efficiency, cost reduction, and safety. Attendees will gain insights into real-world applications, industry standards, and strategies for optimizing technology investments in mining operations.

Panelists:

- Hugh Maleka, Manager - Marketing Engagement, Ramjack (Moderator)
- Joseph Kwiri, Specialist Mining Engineer, Anglo American
- Gargi Mishra, Advisory Council Member, Women in Mining Business - WIMBIZ SA
- Kabelo Nkoana, Business Line Manager for Digital Mining Technologies Sandvik

10:00-10:30 am Coffee Break

10:30-11:30 am **Working Session | Achieving Value through New Technology: Are you Ready?**  
Industry is striving to increase productivity with improved safety and environmental performance. New technologies are emerging and mining companies are committed to progress within the next few years. What will it take to be prepared to embrace new technologies and processes? We need to work together and help build the new paradigm for mine operations.

11:30 am-12:30 pm Lunch



## PM

### Achieving Value through Full-Site Integration

12:30-12:50 pm

#### **Achieving Value through Full Site Integration**

Hulisani Mabe, Digital Technology Specialist, Geology and Mining, AngloGold Ashanti

12:50-1:10 pm

#### ***Geometallurgy, the key to unlocking the mining value chain – a Kumba Iron ore case study***

Marushnee Govender, Principal for Mining Geology and Geometallurgy, Anglo American

1:10-1:30 pm

#### **Enhancing Mine Productivity and Safety Through Remote Operations Centres: Ramjack's Experience**

Hugh Maleka, Manager - Marketing Engagement, Ramjack

1:30-2:00 pm

Coffee

2:00-3:00 pm

#### **Panel | Seamless Operations – Achieving Value Through Full Site Integration**

Mining operations are most effective when ore body knowledge, mine planning, production, and processing are seamlessly connected. This panel will explore how companies can break down barriers by improving data flow, interoperability, and collaboration across the mine cycle. Experts will discuss strategies for aligning geology with operations, optimizing material flow, and ensuring that people, processes, and technology work together to maximize efficiency and value.

Panelists:

- Phuthego Moganedi, Head of Business Improvement, Fraser Alexander (Moderator)
- Ntokozo Nyathi, Technical Specialist: Processing Studies and Projects, Anglo American
- Sandy-Lee White, Manager Execution Excellence, Ramjack
- Thessy Moodley, Regional Director, Hatch
- Matete Shoroma, Senior Mining Engineer, De Beers

3:00-4:00 pm

#### **Working Session | Shifting to a Systems Approach to Mine Design and Operations**

Adopting a systems-based approach can transform mine design and operations, improving efficiency, sustainability, risk management, and long-term value, while fostering greater resilience and adaptability in a rapidly changing industry. Participants will define key elements such as data integration, stakeholder collaboration, operational flexibility, and consideration of environmental and social factors, and explore how these elements work together to create a more holistic approach.

# Many thanks to our **Organizing Committee, Partner and Sponsors**



**Kumeshan Naidu**  
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