



AI FOR MINING LEADERS

A ONE-DAY COURSE ON PRACTICAL AI FOR MINING LEADERS

12 NOVEMBER 2025

SOUTHERN SUN ROSEBANK,
JOHANNESBURG



ECSA and SACNASP Validated CPD Activity Credits = 0.1 per hour attended



WHY THIS SESSION MATTERS FOR MINING

Artificial intelligence is already transforming how mines explore, operate, and engage — but without leadership clarity, AI risks becoming either hype or hazard.

This session translates AI into mining's context, helping professionals lead with:

- **Operational relevance**
AI applications across the value chain, from exploration to processing, supply chain, sustainability, safety, and cybersecurity
- **Practicality**
Hands-on tools and use cases that work without coding
- **Responsibility**
Ethical awareness for automation, risk, workforce equity, and digital safety
- **Confidence**
The ability to align AI adoption with business outcomes and on-site realities

This isn't AI for technical experts. It's for operational leaders building the future of mining.

No coding skills required — just curiosity, context, and a readiness to lead.

ONE-DAY INTERACTIVE SESSION

This course blends strategic insight with real-world application. Participants will explore mining-relevant use cases, engage with no-code AI tools, and co-develop responsible AI strategies — all in a single, high-impact day.

WHAT THE DAY INCLUDES

- Understand AI foundations through mining-specific examples
- Use no-code tools to solve practical challenges
- Unpack responsible AI principles for risk, equity, and safety
- Simulate team conversations using AI prompts and insights
- Build a credible AI business case tailored to your function

- Explore emerging trends shaping the future of mining leadership
- An interactive learning experience designed for operational teams.

WHAT YOU'LL GAIN FROM THIS SESSION

By the end of the session, leaders will be able to:

- **Build AI confidence**
Enhance decision-making, agility, and team effectiveness with a foundational understanding of AI
 - **Evaluate AI tools and mining data**
Understand how high-quality data drives insight across exploration, processing, and ESG
 - **Apply ethical AI principles**
Identify and address risks related to bias, transparency, human impact, and workforce inclusion
 - **Spot business opportunities**
Confidently identify and scope use cases where AI creates value or reduces risk
 - **Lead through change**
Explore AI trends and what automation-to-augmentation means for operational teams
 - **Communicate clearly and inclusively**
Align AI strategy across teams, vendors, and leadership stakeholders
- Additionally, participants will:
- **Lead AI conversations with confidence**
Engage cross-functional teams and technology partners in meaningful discussions
 - **Use a Responsible AI checklist**
Support ethical, safe, and inclusive adoption tailored to mining environments
 - **Develop a site-aligned business case**
Build a practical, value-driven case for AI investment linked to operations or ESG goals

WHO SHOULD ATTEND

- General Managers and Operational Leaders
 - Processing and Geology Teams
 - Safety, ESG, and Risk Officers
 - HR, L&D, and Digital Transformation Leads
 - Strategy and Innovation Units
- Designed for non-technical professionals. No coding background required.

FOR FURTHER INFORMATION, CONTACT:

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Meet Your
Facilitator



World Record set with
Microsoft's AI for
Leaders online course.

Building AI isn't just about what's possible—it's about what's responsible.

DR. GARGI MISHRA
Technology & Future Trends Leader

◆ #ResponsibleAI ◆ #AIforGood ◆ #Innovation

@Young Professionals, Business & Innovation Conference, 28th Feb 2025.

Dr. Mishra makes AI accessible and practical, equipping participants with tools to apply it in real-world leadership and industry contexts.

<https://www.linkedin.com/in/gargimishra/>

What Others Say

"Gargi has a rare gift for **translating complex AI concepts into simple, actionable ideas** that spark innovation. She bridges the gap between technical and business teams seamlessly."

"What stood out most was her ability to ask the right questions: not just '**what can AI do,**' but '**what should it do**' — especially for the **mining industry and its people.**"

"In a space filled with jargon, Gargi brings clarity. She helped us **reframe AI not as a tech project—but as a strategic enabler with real business value.**"

PRESENTER

Dr. Gargi Mishra brings over 22 years of experience in strategic foresight, innovation, and emerging technologies across mining, tech, energy, and sustainability. She helps organisations unlock value through AI and responsible digital transformation.

She has a practical understanding of how AI and digital transformation can create business value and address industry challenges. Her work also emphasises the ethical and societal impacts of AI, supporting organisations in adopting AI responsibly.

Dr. Mishra is a sessional lecturer for Executive MBA students at a leading business school, where she teaches innovation, digital transformation strategy, and emerging technologies. She has served on judging panels for the World Festival (2021–2023) and Africa Tech Week Awards (2022–2023). She is also a contributing author to the published textbook *Foresight in Focus: Scenario Planning for the Next Industrial Revolution*, which is now used in academic programmes to teach strategic foresight and Industry 5.0.

As a global advisor, she helps shape ethical and inclusive innovation strategies, serving on advisory boards for WIMBIZ South Africa, the Global ESG Leadership Organization, and the G100 Council for Sustainable Mining ESG.

She is also actively building her applied AI fluency, completing a curated set of leadership-focused courses from globally recognised institutions. These span AI strategy, governance, people management, and the ethical deployment of generative AI tools — ensuring Her workshops reflect both real-world leadership practice and future-ready thinking.

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