



EGYPT
MINING
FORUM

HOSTED BY



15 - 16 JULY 2025 | THE NILE RITZ-CARLTON, CAIRO

TECHNICAL CONFERENCE CALL FOR PAPERS

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Spotlighting technology and innovation, the technical sessions at the Egypt Mining Forum provide a deep dive on the latest project advances, sustainable best practices and innovative cutting-edge technologies and solutions being deployed across the mining, minerals and metals industry.

Created by industry experts, the technical session presentations promise an enriching experience with expert-led insights and showcases highlighting how technology is shaping the future of mining, accelerating commercial exploration, and driving new mineral discoveries.

SUBMIT YOUR ABSTRACTS

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TECHNICAL



EXPLORATION AND MINING GEOLOGY



CRITICAL MINERALS, METALS AND SUSTAINABLE MINING



MINE ENGINEERING, PLANNING, OPERATIONS AND PROCESSES



EXPLORATION AND MINING DATA

CATEGORIES



INNOVATION AND TECHNOLOGY



HEALTH, SAFETY, SECURITY AND ENVIRONMENT



MINING ECONOMICS AND EXPLORATION FINANCING



MIDSTREAM AND DOWNSTREAM MINING INDUSTRIES



EXPLORATION AND MINING GEOLOGY

- | Remote sensing and geophysics
- | Structural geology
- | 3D geological modelling and laser scanning
- | Mineral resources estimation
- | Mineral exploration targeting
- | Exploration sample, analysis
- | Exploration geochemistry
- | Mineral exploration project planning
- | Lithium extraction from geothermal and oilfield brines
- | Field structural analysis
- | Airborne gravity gradiometers
- | Drones
- | Seismic surveillance
- | Electromagnetic and magnetic ground penetrating radar



CRITICAL MINERALS, METALS AND SUSTAINABLE MINING

- | Lithium, nickel, cobalt, manganese, graphite
- | Copper, aluminium
- | Gold
- | Tantalite
- | Rare earth minerals and modern mining techniques
- | Supply and demand for energy transition
- | Energy storage for EV and battery performance
- | Ethical, sustainable and responsible mining practices
- | Mine electrification
- | Green mining
- | Environmental, social and governance (ESG)
- | GHG emissions, carbon footprint and energy efficiency
- | Recycling and circular opportunities and challenges
- | Air pollution and wastewater management
- | Environmental impacts and contamination
- | Renewable energies integration
- | Decarbonisation and net-zero



MINE ENGINEERING, PLANNING, OPERATIONS AND PROCESSES

- | Underground and surface mine construction and maintenance
- | Mine closure and decommissioning
- | Extraction efficiency and optimisation
- | Automated surface drilling
- | Mine safety and occupational health and safety
- | Extractive metallurgy and mineral processing
- | Laboratory separation, grading and quality control
- | Tailings recovery, handling, use and disposal
- | Advanced shaft and tunnel boring systems



EXPLORATION AND MINING DATA

- | Data transparency
- | Big data security and privacy
- | Ethical data analytics
- | Data driven reasoning and learning
- | Data analysis: algorithms, modelling, visualisation and statistics
- | Data mining: clustering, classification and association



INNOVATION AND TECHNOLOGY

- | Mineral and metallurgy extraction technology
- | Geospatial tools and non-invasive exploration tech
- | Artificial intelligence
- | Digital transformation
- | Operational intelligence (OI)
- | Digital twin infrastructure and workflows
- | Smart mining, robotics, IoT, automation
- | Advanced manufacturing and technology
- | Autonomous technologies
- | Technology for inclusive growth and workforce skills upgrade
- | Refining process simulation and optimisation
- | GPS, wireless and remote sensing for hard to access mining environments
- | Innovation for increased productivity
- | Precious metals plasma technology
- | Wearable technologies – real time visibility in times of emergency



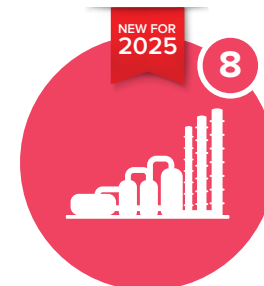
HEALTH, SAFETY, SECURITY AND ENVIRONMENT

- | Safety culture and safety management systems, human factors and performance
- | The role of leadership within HSE
- | Mining health and safety value and supply chains management
- | Preparedness, best practices, emergency response and mitigating environmental risks
- | Occupational safety awareness
- | Process safety: accident prevention and lessons learnt
- | Stakeholder engagement, community awareness, and health, safety and environmental related Corporate Social Responsibility (CSR) programmes
- | Innovation and use of digital technologies to improve HSE, wearable technology



MINING ECONOMICS AND EXPLORATION FINANCING

- | Financing sources of exploration and associated risks
- | Assessing mineral investment vs exploration expenditure
- | Mining investment risk assessment for Nation's along the Chinese Belt and Road initiative
- | Methodology to calculate investment potential of mineral resource base in areas of new development
- | Incentives and risk control schemes in emerging economies for junior mining companies exploration works



MIDSTREAM AND DOWNSTREAM MINING INDUSTRIES

- | Gold extraction and refining value chain outlook
- | Copper and bauxite deposit smelters projects and world outlook to support global future energy demand
- | Impact of base metals supply chain on the future of heavy industries product supply and demand
- | Challenges of oil shale exploitation in light of future emerging energy demands
- | Low grade P205 phosphate beneficiation challenges in filterers market
- | Infrastructure to support global trade of minerals and metals
- | Phosphate demand outlook, downstream implications vs global geopolitical challenges

EGYPT MINING FORUM 2025

CALL FOR PAPERS GUIDELINES

All submitted technical abstracts will be reviewed by the Forum Technical Committee. Early submission is important to ensure the Committee members have ample time to review the abstracts. Authors are strongly encouraged to submit their abstracts online at: egyptminingforum.com/CFP before **Sunday 13 April**.

Abstract submissions

- Abstracts should include up to 500 words and be written in English. Any entry submitted in a different language will not be considered.
- You are welcome to include additional information, such as illustrations, graphs or tables, as attachments.
- Please do not submit the same abstract more than once. If you believe your abstract is relevant to multiple categories, please select one that is the best fit.
- One person can submit multiple abstracts within the same category or across multiple categories. However, please do not submit the same or slightly modified abstracts multiple times, as they will be removed.
- Prior to abstract submissions – management clearance must be obtained. Any issues concerning clearance should be outlined when the abstract is submitted.
- If you have presented this abstract previously, you can still submit but you will need to provide details of when and where it was presented before and look to include updated material since original presentation.

Abstract content

Your abstract should contain adequate information for review by the Technical Committee including:

- **Description:** Summarise the scope and nature of the work upon which the abstract is based, e.g. mine data, lab data, original analysis, technology, innovation.
- **Applications:** Describe the possible application of the information provided in the abstract.
- **Results and conclusions:** Summarise the results and major conclusions to be presented, state specific conclusions of the work and how these differ from previous work on the same subject. State whether new information will be revealed and whether data from the mine, refinery, plant, lab, pilot project will be included.
- **Technical contributions:** Describe the significance of the subject matter in the abstract by listing technical contributions or additions to the technical knowledge relevant to the mining industry.

Grading criteria

Your abstracts will be evaluated by the Technical Committee members according to the following grading criteria:

- **Impact and results:** What industry or organisational impact does your work have? Please include relevant results and/or case studies.
- **Novelty and technicality:** Your abstracts should demonstrate innovation and originality, and contain significant new knowledge, technical results, or experience. Data relating to technical applications should be described and explained.
- **Interest and relevance:** How relevant are your submissions to the current state of the mining industry? How interesting is the subject matter to the Forum audience and the industry overall? Will it grab their attention?

Technical categories

There is a choice of 8 different technical categories, all of which have multiple technical descriptions. Please have a thorough read through all of them and select one category that best describes your abstract. Please do not submit the same abstract more than once, as duplicates will be removed.

Guidelines for accepted abstracts

- You will be notified in April if your abstract has been accepted. All authors who submitted their abstracts will receive an email stating if their abstracts have been accepted or not.
- The Forum does not require authors to submit their technical papers (manuscripts), as we do not publish these.
- The organiser assumes no obligation for expenses by authors for travel and accommodation to attend and speak at the Conference.

Commercialism

Your abstract should not use language that is commercial in tone in the title, text or attachments. The use of such terms will result in careful scrutiny by the Technical Committee and may result in exclusion of abstracts from the evaluation process.

- Authors of accepted abstracts will be required to prepare PowerPoint presentations, detailed instructions on the preparation will be sent to all authors once acceptance to speak has been received.
- All the presenters will receive complimentary access to all the Technical Conference sessions. However, any co-authors are required to purchase a pass if they would like to attend.



CALL FOR PAPERS IMPORTANT DATES

CALL FOR PAPERS OPENS
Monday 6 January

CALL FOR PAPERS EXTENDED DEADLINE
Sunday 13 April

AUTHOR NOTIFICATIONS
May

EGYPT MINING FORUM 2025 OPENS
Tuesday 15 - Wednesday 16 July



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