



**PAKISTAN  
MINERALS  
INVESTMENT  
FORUM 2026**

Endorsed By



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# Technical Conference

## Call for Papers

### 08 – 09 April 2026

Islamabad, Pakistan.



## ABOUT THE TECHNICAL CONFERENCE

The Technical Conference at the Pakistan Minerals Investment Forum (PMIF) is where Pakistan's mineral investment story is backed by data, real projects and serious technical work. Over two days, the programme will showcase innovative research, project case studies and practical solutions from across the mining value chain, from exploration and critical minerals to processing, ESG and regional development.

Curated by an independent Technical Committee, these sessions will bring together geoscientists, engineers, operators, academics, technology providers and policymakers to share knowledge that can directly shape the next decade of mining in Pakistan.

### Why Submit an Abstract?

By submitting a paper, you will:

- Share new data, analysis and lessons from the field with a regional and international audience.
- Contribute to the evidence base that informs policy, investment and project decisions in Pakistan's mineral sector.
- Showcase your organisation's technical capabilities to government, investors, operators and partners attending PMIF.
- Build connections with peers and collaborators across industry, academia and government.

Authors of accepted abstracts will be invited to present during the Technical Conference at PMIF in Islamabad.



# Technical Categories

Authors are invited to submit abstracts under one of the following technical categories:

## 1. Mineral Exploration & Resource Assessment

This category focuses on innovative approaches to discovering and defining Pakistan's mineral resources – from frontier exploration to advanced resource modelling and reporting.

### Example topics:

- Regional geological mapping and integrated exploration strategies
- Remote sensing, airborne geophysics and ground-based surveys
- 3D geological modelling and structural interpretation
- Mineral resource estimation, classification and reporting codes
- Exploration geochemistry, sampling strategies and QA/QC
- Target generation in under-explored terrains
- Brownfield vs greenfield exploration case studies
- Integrating legacy and new datasets for better decision-making
- Risk, uncertainty and portfolio management in exploration

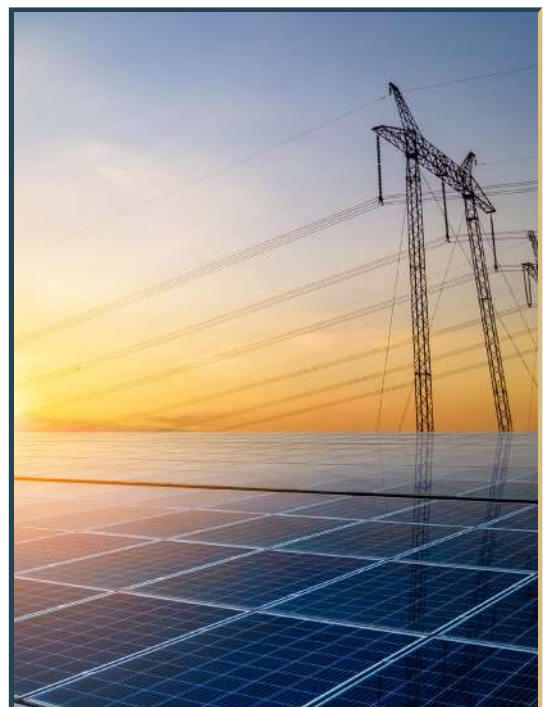


## 2. Critical Minerals & Energy Transition

Exploring the role of Pakistan's minerals in enabling the global energy transition – from battery metals to strategic inputs for renewables and advanced technologies.

### Example topics:

- Exploration and development of copper, lithium, nickel, cobalt, graphite and rare earths
- Geological potential of critical minerals in Pakistan and the wider region
- Market outlooks and supply–demand dynamics for critical minerals
- Policy and incentives to attract investment in critical mineral projects
- Building resilient, responsible and transparent critical mineral supply chains
- Infrastructure and processing needs for value-added exports
- International partnerships, offtake agreements and strategic alliances
- Co-product and by-product recovery strategies
- Case studies of critical mineral projects in comparable jurisdictions



### 3. ESG & Sustainability

Technical, practical and policy papers demonstrating how environmental, social and governance (ESG) principles are embedded across the mining value chain.

#### Example topics:

- Designing and implementing ESG frameworks for mining projects
- Decarbonisation strategies, climate risk and low-carbon mine design
- Water, tailings and biodiversity management
- Community engagement and benefit-sharing models
- Social impact assessment, resettlement and livelihoods
- Governance, transparency and anti-corruption in the mineral sector
- ESG reporting standards, metrics and investor expectations
- Circularity in mining, re-processing and secondary metals
- Case studies of ESG performance improvements in operating mines



### 4. Safety, Training & Skills Development

Building a safe, competent and future-ready mining workforce.

#### Example topics:

- Safety culture, leadership and behaviour-based safety
- Occupational health and safety management systems and audits
- Incident investigation, leading indicators and continuous improvement
- Training frameworks and competency models for key roles
- Use of simulators, VR/AR and digital tools in mining education
- Industry-academia-TVET partnerships for skills development
- Gender inclusion and youth pathways into mining careers
- Upskilling for automation, digitalisation and new technologies

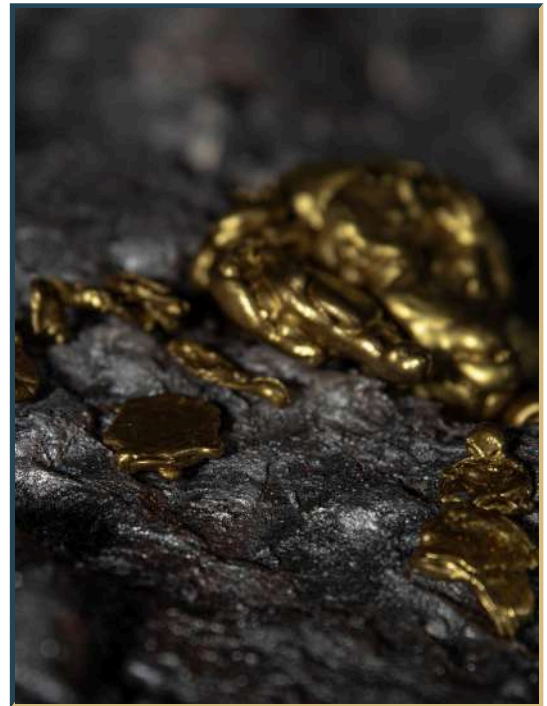


## 5. Artisanal & Small-Scale Mining Transformation

Formalising, professionalising and integrating artisanal and small-scale mining (ASM) into a modern minerals economy.

### Example topics:

- Mapping and characterising ASM in Pakistan and neighbouring regions
- Policy, legal and regulatory frameworks for ASM formalisation
- Technical support and extension services for ASM operators
- Health, safety and environmental improvements in ASM sites
- Access to finance, markets and fair pricing mechanisms
- Reducing informality, smuggling and illicit mineral trade
- Traceability and responsible sourcing standards for ASM minerals
- Gender, youth and community dimensions of ASM
- Case studies of successful ASM upgrading programmes



## 6. Regional Mineral Development

How mining can unlock broader regional development and inclusive growth.

### Example topics:

- Regional mineral resource mapping and development corridors
- Integrating mining with power, water, logistics and industrial planning
- Cluster development around mines – services, manufacturing and SMEs
- Special economic zones, processing hubs and industrial parks
- Revenue-sharing models and inter-governmental coordination
- Socio-economic impact assessments at regional level
- Cross-border trade, transit corridors and regional cooperation
- Ensuring regional inclusion and conflict-sensitive development



## 7. Gemstone Industry Development

Building a high-value, globally competitive gemstone industry from mine to market.

### Example topics:

- Geological potential and mapping of gemstone belts
- Responsible gemstone mining methods and mine design
- Sorting, grading and certification of gemstones
- Cutting, polishing and jewellery manufacturing capabilities
- Branding and origin-based marketing for Pakistani gemstones
- Transparent and traceable gemstone supply chains
- Policy and incentives for value addition in gemstones
- Skills development for lapidaries, designers and traders

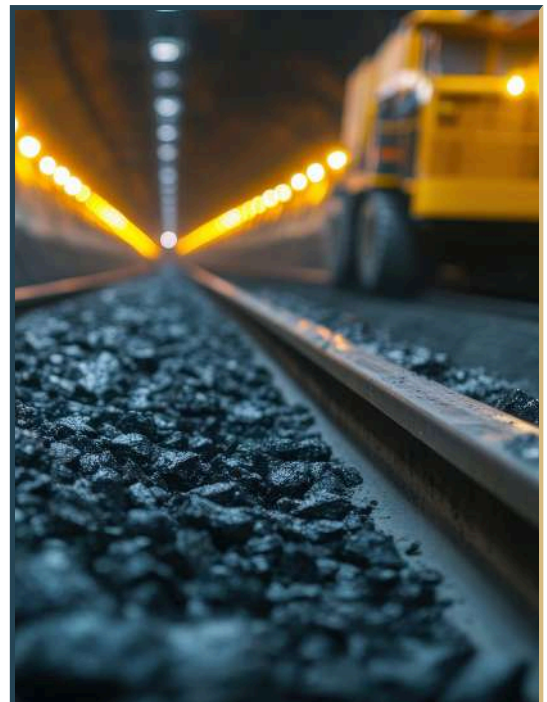


## 8. Mining Operations & Automation

Designing, building and operating efficient, modern mines with a strong focus on automation and digitalisation.

### Example topics:

- Open-pit and underground mine planning and optimisation
- Automation of drilling, hauling and loading
- AI, IoT, digital twins and advanced analytics in operations
- Real-time monitoring of production, safety and environment
- Energy efficiency, mine electrification and hybrid power systems
- Ventilation, dewatering and geotechnical monitoring innovations
- Maintenance strategies, asset integrity and reliability engineering
- Technology adoption roadmaps in Pakistan's existing and new mines



## 9. Mineral Processing & Metallurgy

Turning ore into marketable products, from beneficiation to smelting and refining.

### Example topics:

- Comminution, classification and beneficiation of sulphide and oxide ores
- Flotation, hydrometallurgy and pyrometallurgy for copper, gold and polymetallic ores
- Processing low-grade, complex and refractory ores
- Plant design, simulation and optimisation
- Tailings management, backfill and re-processing
- Processing for critical and industrial minerals
- Energy and water efficiency in processing plants
- Process control, automation and sensors in plants and smelters
- By-product and co-product recovery and waste minimisation
- Pilot plants and scale-up case studies



## Abstract Submission Guidelines

All submitted abstracts will be reviewed by the PMIF Technical Committee. Early submission is encouraged to allow sufficient time for review and programme design.

### Submission format

- Abstracts should be **no more than 500 words** and written in **English**.
- Please submit your abstract online at: [www.pakminforum.com](http://www.pakminforum.com) or by email to [techpapers@pakminforum.com](mailto:techpapers@pakminforum.com).
- You may attach supporting diagrams, figures or tables if helpful for reviewers.
- Each abstract must be submitted under **one technical category** only. If you feel it fits more than one, please choose the best match.
- A single author or organisation may submit multiple abstracts, but **duplicate or slightly modified versions of the same abstract will be removed**.

Before submitting, authors should ensure all necessary management or client approvals have been obtained.

If the work has been presented elsewhere, you may still submit it, provided you clearly indicate where it was previously presented and highlight what new or updated material will be included.

# What Your Abstract Should Include

Your abstract should provide enough information for the Technical Committee to understand:

## 1. Description

- The scope and nature of the work (e.g. mine data, fieldwork, laboratory data, modelling, technology deployment, case study).

## 2. Applications

- How the work can be applied in practice, to exploration, development, operations, policy or investment decisions.

## 3. Results and Conclusions

- Key findings, insights and conclusions, including how they differ from or build on previous work in the same area.

## 4. Technical Contributions

- The specific contribution of your work to the mining and minerals sector in Pakistan or globally (e.g. new data, improved methods, quantified outcomes).

# Evaluation & Grading Criteria

Abstracts will be evaluated by the Technical Committee against three main criteria:

## 1. Impact and Results

- What practical, organisational or industry impact does the work have? Are results and outcomes clearly demonstrated?

## 2. Novelty and Technical Quality

- Does the work introduce new knowledge, methods or applications? Is it technically robust, with data and evidence to support claims?

## 3. Interest and Relevance

- How relevant is the topic to Pakistan's mineral sector and the PMIF audience? Will it engage and inform decision-makers and practitioners?

# Commercialism

The Technical Conference is **not** a sales platform.

- Abstracts, titles and presentations should avoid promotional language, brand slogans or overt marketing.
- Submissions that appear primarily commercial may be rejected or moved to alternative formats (e.g. exhibition demos or sponsored sessions).

# Guidelines for Accepted Abstracts

Authors will be notified by **15 February 2026** if their abstract has been accepted.

## For accepted abstracts:

- Presenting authors will be invited to prepare a PowerPoint presentation for delivery during the Technical Conference. Detailed guidelines will be shared upon acceptance.
- Full technical papers/manuscripts are not required, as PMIF does not publish proceedings.
- Presenting authors will receive complimentary access to the Technical Conference sessions on the day of their presentation. Co-authors wishing to attend must register as delegates.
- Travel and accommodation costs are the responsibility of authors/their organisations.

# Important Dates

(Indicative – to be confirmed by PMIF secretariat)

- **Synopsis Submission** 5 February 2026
- **Synopsis Acceptance Notification:** 15 February 2026
- **Full Paper Submission:** 28 February 2026
- **Full Paper Acceptance Notification:** 10 March 2026
- **Final Presentation Submission (PMIF Template):** 15 March 2026

**Forum Dates: 8 and 9 April 2026**

## Contact

For questions about technical categories, submissions or speaking opportunities, please contact:

**PMIF Technical Conference Secretariat**

Email: [techpapers@pakminforum.com](mailto:techpapers@pakminforum.com)

Website: [www.pakminforum.com](http://www.pakminforum.com)



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