

PROPOSED TOPICS

- AI & Smart Top-trending Technologies towards Quarry Economic Success
- Smart Drones for Economic Quarry Management
- Integrated Smart Technologies for Optimisation of Quarry Operations
- Cost-effective Applications of AI and Smart Technologies in Rock Drilling
- Latest Smart Technological Trends in Rock Blasting/Fragmentation
- AI and Autonomous Vehicle Technologies in Quarry Transport
- Application of AI in Economic Crushing & Screening
- Innovative Smart Technologies uses in Quarry Production and OSH
- Effective uses of Smart Technologies for ESG Management
- Iconic Application of AI and Top-trending Technologies in Quarries
- Recent developments of AI and Top-trending Technology Research

CALL FOR PAPERS

Prospective authors are invited to submit abstracts of not more than 150 words to the IQM secretariat by fax or email before 30 June 2024. The scope of papers submitted should be related to the conference theme.

INDOOR EXHIBITION & SPONSORSHIP

Circulars will be mailed out soon with full details on Exhibition Lots and Sponsorship. Kindly contact the IQM Secretariat, Madam Nirmala Devi if you wish to enquire further.

**For more information, please contact the IQM Secretariat:
INSTITUTE OF QUARRYING MALAYSIA BHD**

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IQM CONEX 2024

Announcement

SMART QUARRIES: AI & TOP TRENDING TECHNOLOGIES SQ-ATT 2024

22 - 23 October 2024

Palm Garden Hotel
Putrajaya, a Tribute Portfolio Hotel,
IOI Resort City, 62502 Putrajaya, Malaysia.



SQ-ATT 2024

SMART QUARRIES : AI & TOP-TRENDING TECHNOLOGIES

The quarrying industry is globally recognised as the main contributor towards any nation worldwide striving for 'Developed Nation status' via strategic national development and industrialisation. The quarrying industry is thus internationally acknowledged as the most important source of building materials in the design and construction of various iconic buildings, infrastructures and amenities all aimed towards further society enrichment. Historically, the ancient origins of organised quarrying industries, using specialised tools and techniques, can be traced back thousands of years ago to ancient Egyptian, Greek and Roman civilizations when quarried stone products were extensively used for the construction of buildings, structures, roads and public services.

With the quantum leap into the exciting era of 'Smart Quarries: AI and Top-trending Technologies'; the several thousand-year-old forward-looking quarrying industries worldwide needs to upgrade quickly via acquiring leading-edge knowledge, technologies, skills and state-of-the-art practices to stay competitive whilst sustaining the growth momentum of this important economic sector. The motivating times of AI and Top-trending Technologies is thus most promising and has opened up unlimited business opportunities within Malaysia and worldwide. Cost-effective and efficient Smart Quarries using AI and Top-trending Technologies aim to produce the best and most well-organised dynamic mineral development sites to further increase production complemented with better economic returns.

The unique theme for this year's high-profile informative CONEX international quarrying conference and exhibition during this fascinating technological era is 'Smart Quarries: AI and Top-trending Technologies' (SQ-ATT 2024). Artificial Intelligence (AI) is concisely the development or simulation of human intelligence for machines where they are programmed to learn, think and help in problem-solving activities. AI encompasses the combination of various unique technologies such as machine learning, digital vision, natural language processing and robotics. Smart Top-trending Technologies and good work practices likewise need to be resourceful, effective and achievable to produce positive outcomes aimed towards optimum performance and cost savings in overall quarrying operations. Cost-effective technologies and efficient work practices should thus focus

on the overall optimum quarry production setup with the aim to further increase operational profits and improve quarry site management. The competent selection of any appropriate smart technological systems will definitely confidently further progress the ever-dynamic quarrying sector to another level of World-Class Excellence.

Based on the outstanding track record and strong support of the Government and industry for past internationally-acclaimed IQM CONEX Conferences; this year's SQ-ATT 2024 Conference event is definitely going to be another Great Success on outstanding technology-transfer and corporate networking. Highlights of hot topics on pioneering and state-of-the-art AI and Top-trending Technological Applications for economic success of the global quarrying industry planned for the upcoming informative yet fascinating SQ-ATT 2024 Quarrying Conference and Exhibition include 'AI Technology and Applications', 'Top-trending Technologies worldwide', 'Smart Drones for Economic Quarry Management', 'AI & Autonomous Vehicle Technologies in Quarry Transport', 'Latest Smart Technological Trends in Rock Blasting/ Fragmentation', 'Cost-effective Applications of AI and Smart Technologies in Rock Drilling', 'Integrated Smart Technologies for Optimisation of Quarry Operations' and 'Application of AI in Economic Crushing & Screening'.

This high-status IQM CONEX function is acknowledged as the de-facto international quarrying conference for all directly and indirectly contributing towards the successful continuous progress of this precious industrial sector; since so many unique and exciting technical topics are scheduled for presentation at this event. The main objective of SQ-ATT 2024 Conference is to allow the various international and national government agencies, quarrying industry captains, equipment manufacturing technology experts, academia, quarry personnel and aspiring university graduates a practical high-impact international platform to network at the local and international level; and experts to present state-of-the-art technologies and cost-saving practices and success stories to further progress this economic sector to another level of Global Excellence - a 'win-win' setup for all.



IQM CONEX 2024