

Drilling and Blasting Short Course 2024

This short course is sponsored
by AECl Mining Explosives



SHORT COURSE

DATE: 24-25 APRIL 2024

VENUE: ONLINE

[Click here to register](#)

0.1 CPD points for every 1 hour event attended

BACKGROUND

There has been a significant change in the explosives and initiating systems used in the mining, quarrying and civil blasting applications both on surface and underground. This course will provide and align the delegates with some basic principles, tools, examples and understanding of the leverage of these products. Whether you are new to the industry or a seasoned user or find yourself in the position of an explosive manager or supervisor to a regulator, the course will enable some debate, rules and questions you should be asking of your explosive OEM.

The importance of improved safety standards, cost effectiveness and productivity has driven mining management and operators to examine all facets of their operations. Increasingly it has been realized that an efficient drilling and blasting program can impact positively throughout the mining operation from loading to maintenance, hauling to crushing, ground support to scaling and grade control to recovery. We will also test the concepts and increasing challenges of blasting in the vicinity of local communities.

PRESENTER



Simon Tose

Simon Tose is an expert in Blast Design from AECl Mining Explosives and will be sharing his expertise on this subject.

Simon Tose is an established industry recognized consultant, registered professional engineer and leader in technology, mining, explosives and blasting science. Holding a BSC Hons Mining Engineering degree, management and explosive qualifications. Extensive experience in mining methods, education and management of projects and blast investigations. He has written papers, articles and presented at a number of International and Local conferences. Current board member of the IOQSA & ISEE and regular contributions to the SAIMM & AusIMM. With a strength in project design he leads the Blast Consult team with a strong passion for the development of environmental and blast monitoring, measurement and investigation, consulting, management and financial analysis for AECl Mining Explosives.

For further information contact:

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SAIMM
THE SOUTHERN AFRICAN INSTITUTE
OF MINING AND METALLURGY

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Agenda Day 1

Time*	Session	Title	Slides	
9:00	1	01 - Introduction 02 - Cave dweller to Millennial, A fun look at the evolution of explosives 03 - Explosive Energy, Marketing or Myth 04 - Definition of Cup, in-hole and critical density	8 48 47 14	117
10:30		20 Minute Break		
10:50	2	05 - Leveraging Fragmentation 06 - How boosters shape your blast 07 - Stemming, Friend or foe	53 36 31	120
12:30		Half-hour Lunch		
13:00	3	08 - Do you understand your blast timing? 09 - Specialized Blasting Techniques - Highwall	69 65	134
14:30		20 Minute Break		
14:50	4	10 - Specialized Blasting Techniques - Hot holes 11 - Lightning, What's the story	65 27	92
16:30		Close		

* Timing approximate, allow for questions and discussion

Agenda Day 2

Time*	Session	Title	Slides	
9:00	5	12 - Specialized Blasting Techniques - Not your typical blasting	128	128
10:30		20 Minute Break		
10:50	6	13 - Blasting and Ground Vibrations 14 - Airblast & Noise	103 58	161
12:30		Half-hour Lunch		
13:00	7	15 - Blast Fumes & Gases 16 - Ducking wild flyrock	32 109	141
14:30		20 Minute Break		
14:50	8	17 - Smart Truck 18 - Generating a simple Blast Design 19 - What's new underground?	22 18 27	67
16:30		Close		

* Timing approximate, allow for questions and discussion