

Drilling and Blasting Short Course 2026



SHORT COURSE

DATE: 25-26 FEBRUARY 2026

VENUE: ONLINE



SAIMM
THE SOUTHERN AFRICAN INSTITUTE
OF MINING AND METALLURGY

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

This short course is sponsored
by AECl Mining Explosives



INTRODUCTION

SIMON ST J TOSE



IOQSA 50th Conference



SPEAKER BIO

Simon St John Tose, Retired Blasting & Mining Consultant

Simon is an established industry recognised 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, explosives, blasting, education, blast investigations and management of projects over 40 years. He has written papers, articles and presented at a number of International and Local conferences.

Active involvement with local IOQSA & SAIMM and regular international contributions & support to the ISEE, EFEE & AusIMM.

With a strength in project design he led the AECI Blast Consult team with a strong passion for the development of environmental and blast monitoring, measurement and investigation, consulting, management and financial analysis.

Away from work, Simon and his wife Sanet have a passion for travel off road to explore and camp in new places, photograph wildlife and enjoy outdoor activities. (No cell reception!)



25TH FEBRUARY 2026 - DAY 1

Programme - * Time is approximate

Time*	Session	Title	Slides	
9:00	1.	01 Introduction	5	133
		02 Cave dweller to Millennial, A fun look at the evolution of explosives	62	
		03 Explosive Energy, Marketing or Myth	47	
		04 Definition of Cup, in-hole and critical density	19	
10:30		20 minute break		
10:50	2.	05 Stemming, Friend or foe	36	125
		06 Leveraging Fragmentation	56	
		07 How boosters shape your blast	33	
12:00		½ hour for lunch		
12:30	3.	08 Do you understand your blast timing?	67	156
		09 Specialised Blasting Techniques - Highwall	89	
14:30		20 minute break		
14:50	4.	10 Specialised Blasting Techniques - Hot holes	53	80
		11 Lightning, What's the story	27	
16:30		Close		

26TH FEBRUARY 2026 - DAY 2

Programme

Time*	Session	Title	Slides	
9:00	5.	12 Blasting and Ground Vibrations 13 Airblast & Noise	89 49	138
10:30		20 minute break		
10:50	6.	14 Blast Fumes & Gases 15 Ducking wild flyrock	28 95	123
12:00		½ hour for lunch		
12:30	7.	16 Sensible application of digital technology for the future 17 Generating a simple Surface Blast Design 18 What’s new underground?	22 18 29	69
14:30		20 minute break		
14:50	8.	19 Specialised Blasting Techniques - Not your typical blasting 20 Safety	120 7	127
16:30		Close		

QUESTIONS

