

THRIVABILITY Training & Coaching

THRIVABILITY e-News

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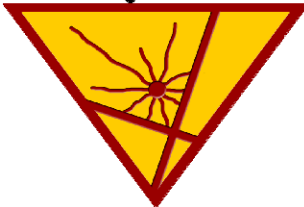
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Update on this Newsletter

This newsletter is dedicated to the activities of our technical arm Blasting Geomechanics. In particular to the First International Blasting Geology Workshop convened by TNLC Blasting Geomechanics.

Blasting Geomechanics



Newsletter Picture



Keynote speaker



Active engagement



The program

Introduction: Four useful blasting geology frameworks, by *Trevor N Little*

Presentation 1: Blasting geology in a quarrying environment, by *Dr Anne Charline Sauvage* (Keynote)

Presentation 2: The influence of geology on blasting emissions and damage, by *Dane P Blair*

Presentation 3: Importance of geology to blasting in coal measure strata, by *Andrew Scott*

Presentation 4: The importance of understanding detonics and rock response under explosive loading, by *Alan Minchinton*

Presentation 5: Blast monitoring and blast translation at KCGM, by *Chris Matthews*

Presentation 6: The impact of geological features on the level of ground vibration, by *Thomas Lewandowski*

Presentation 7: Blasting in hostile ground conditions, by *Peter Bellairs*

Cover Story **1st INTERNATIONAL BLASTING GEOLOGY WORKSHOP (1st IBGW)**

I like simple definitions and define "Blasting geology" to be the application of geology to blasting operations. Along with others, I have been trying to lift the profile of blasting geology for a number of years. To this end, while at the Western Australian School of Mines (WASM) the Blasting Research Group hosted an Underground Blasting Workshop (UGBW92) and an Open Pit Blasting Workshop (OPBW94). At Explo 1999 TNLC hosted a post conference workshop titled, "Blasting as if the Rock Matters".

I liken "blasting geology" to "common law", neither attempt to develop a widely applicable systematic process. Both fields rely on the adjudicator to make decisions based on the evidence/facts in front of them (site geology and its behaviour under blast loading in the case of blasting geology) and the precedence of earlier decision (knowledge from other case studies and field trials in the case of blasting geology).

This workshop is timely and follows on from some big commitment to technology and mine automation e.g. autonomous drill, excavators, trucks, smart explosive delivery systems, electronic detonators, remote operations centres, and global positioning systems. Such developments will drive the need for better geological input into all ground related aspects of the mining process. Hence, the future of "blasting geology" is assured and is really just beginning.

The workshop was a success due to the positive and generous response from the presenters to an invitation to present and a high conversion rate from Explo 2011 conference attendees to workshop attendees (43 out of 160). The technical success of this workshop was evident from the workshop feedback and high standard of presentations and resulting interactions.

Trevor N Little Workshop Leader, 10th November 2011, Melbourne, Australia