



**BLASTING FOR ROCK SHELTER PROTECTION (BFRSP) WORKSHOP**

**Workshop Details**

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**Workshop presenters:** Trevor N Little (TNL) and Dr Dane P Blair (DPB).

**Workshop Convenors:** Blasting Geomechanics Pty Ltd. **Note:** A two-day Advanced Wall Control Blasting Workshop (AWCBW) is also being convened by BGPL at the same venue on 21<sup>st</sup> - 22<sup>nd</sup> October 2024.

**Workshop date:** Friday 25<sup>th</sup> October 2024 (8.30 am - 4.30 pm). Timed to be immediately after the 8th ISEE Drill & Blast Down Under Conference 2024.

**Workshop venue:** TBA at or near (Crown Casino Perth - Great Eastern Hwy, Burswood WA 6100).

**Workshop Fees:** Fee: AUD\$1,200 per attendee. This includes: all day coffee, morning tea, lunch and a course manual. Payment options: Mastercard or Visa, PayPal, money transfer or purchase order.

**Contact details:** Workshop Administrator - Cherie Little. Phone +61 8 92430650, Mob +61 400924306, Web: [www.bgpl.com.au](http://www.bgpl.com.au) or Email: [mail@bgpl.com.au](mailto:mail@bgpl.com.au)

**Field setup for the collection of seed waveforms for use within the Monte Carlo Waveform Superposition Model (MCWSM) to predict VPPV.**

**Workshop Program**

**Friday 25<sup>th</sup> October 2024**

**8.15am Registration**

**Technical Session 1 (TNL)**  
8.30 am Topic 1 Course introduction and technical overview - terminology, blast design objectives and blast design elements, risks and opportunities and rock shelter stability assessment.

**10.10am Morning Tea (20 minutes)**

**Technical Session 2 (DPB)**  
10.30 am Topic 2 Modern techniques of blast design and analysis for the protection of rock shelters – process flowchart, site information, seed waveforms, blast design analysis, flyrock and noise considerations, re-design or proceed decisions and post blast assessment.

**12.15pm Lunch (45 minutes)**

1.00 pm Topic 2 (Continued)

**Technical Session 3 (DPB, TNL)**  
2.00 pm Topic 3 Three selected case studies – (1) BGPL support Baby Hope Cave, (2) Site investigation and stability assessment, and (3) Heritage protection by stand-off control.

**3.30pm Short break (15 minutes)**

**Technical Session 4**  
3.45 pm Topic 4 Course summary + open discussion  
4.30 pm Evaluation and Close of Workshop (TNL).

**Radiation map of MCWSM predicted Vector Peak Particle Velocity (VPPV) external to blast pattern with timing map overlaid on blast pattern.**