



7th Drill & Blast Down Under

8th & 9th November 2023
The Star Gold Coast

Major Event Sponsor :

PLATINUM
BLASTING SERVICES

Introduction from the ISEE Australia Chapter...

The International Society of Explosives Engineers (ISEE) are proud to present the "7th Drill & Blast Down Under 2023" on the 8th & 9th of November 2023 at The Star Gold Coast in Queensland.

Get your surfboards and sunscreen out (not during the technical sessions though) as we are heading to paradise for the 2023 conference. We received a record 40+ topic abstract submissions this year. The technical program committee narrowed them down to the top 21 topics and we are very confident we are providing the best program to date.

Exhibition spaces and sponsorships are selling quickly.
Please contact conference@iseeaustralia.org for more information



Conference Agenda

Tuesday 7th November: 4:00pm – ISEE AGM & 5:30pm - Welcome Function

Day 1: Wednesday 8th November 2023

7.00am - **Exhibitor Set up**
8.00am - **Registration**
8.50am - **Welcoming Address**
9.00am - **Keynote Speaker Technical Session 1**
10.30am - **Morning Tea and Exhibition Open**
11.00am - **Technical Session 2**
12.30pm - **Lunch**
1.30pm - **Technical Session 3**
3.00pm - **Afternoon Tea**
3.30pm - **Technical Session 4**
4.45pm - **Happy Hour**
5.45pm - **Conference Area Close**
6.30pm - **Conference Dinner is Poolside**

Day 2: Thursday 9th November 2023

8.00am - **Registration Open**
8.30am - **Keynote Speaker, Technical Session 5**
9.00am - **Technical Session 6**
10.30am - **Morning Tea**
11.00am - **Technical Session 7**
12.30pm - **Closing Remarks**
12.45pm - **Lunch**
1.30pm - **Technical Session 8**
3.00pm - **Afternoon Tea**
3.30pm - **Technical Session 9 and Exhibition Close**
5.00pm - **Conference Close**
5:15pm - **Farewell Drinks**
6:30pm - **Emerging Professionals Event (Dinner and Drinks)**

Conference Registration Information

Please register for this event online using Eventbrite: **ONLINE BOOKING** or copy and paste this URL:
<https://www.eventbrite.com.au/e/7th-annual-isee-australia-conference-2023-tickets-669166865107>

Eventbrite issues a tax invoice. If you require an additional accounting assistance, please email the ISEE Treasurer treasurer@iseeaustralia.org

ISEE Member - \$450 (current membership number required)

ISEE Non - Member - \$700

ISEE Society Associate Membership is US\$150 and Full Membership is US\$115. To pay the member rate for the conference, complete the ISEE member application at <https://isee.org/membership-application> and use your membership number for the discounted conference rate (it will take up to 5 business days to receive your ISEE membership number).

When you sign up, nominate Australia as your chapter and you are automatically signed up as an ISEE Australian member for free on the Australian Chapter website at www.iseeaustralia.org Joining the Australian Chapter will enable you to vote and nominate for the Chapter Board and help your industry body grow. Any questions relating to membership, please email team@iseeaustralia.org



www.iseeaustralia.org

conference@iseeaustralia.org

REGISTER ONLINE HERE

Keynote Speakers



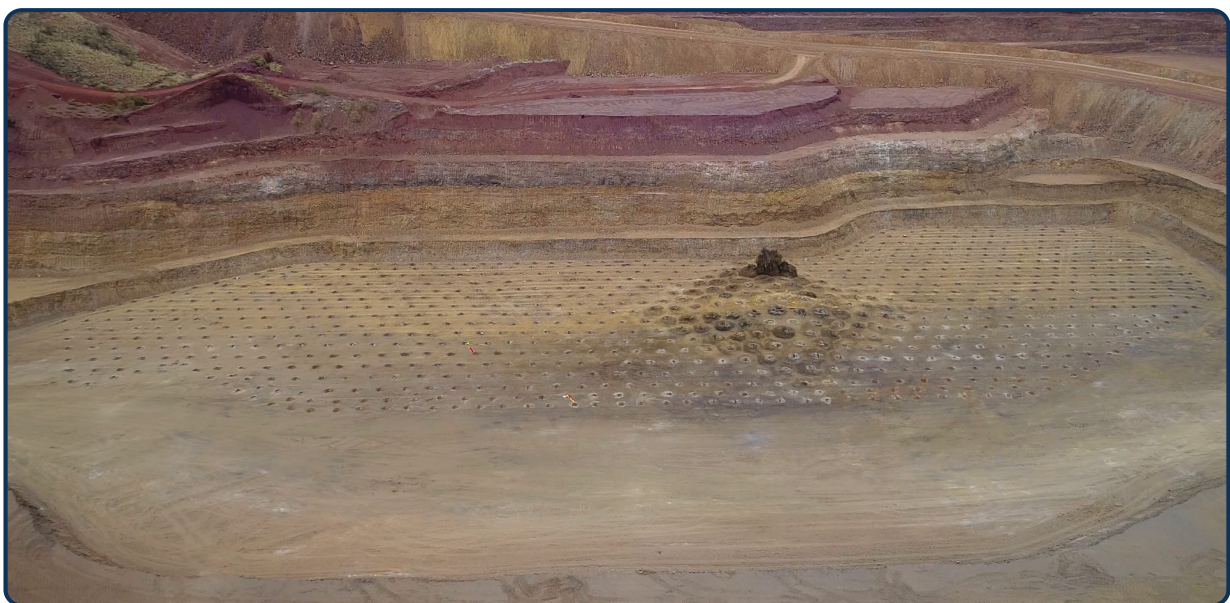
Dr Sean Brady – Forensic Engineer, Brady Heywood

Sean Brady is a forensic engineer. He's the Vice Chair of the Society of Construction Law in Australia and a member of the SIMC Panel of Experts in Singapore. He's a Chartered Professional Engineer, and a Fellow of Engineers Australia. In 2020 he completed the Brady Review, which investigated the causes of fatalities in the Queensland mining industry. The review was tabled in parliament and made 11 recommendations to the regulator and mining companies on how to improve safety. Sean is currently engaged as the lead investigator on a major power station incident in Australia. He also speaks and writes on the causes of technical and organisational failure.



Dr Nathan Rouse – President, Thoroughbred Drill and Blast Consultants

Dr. Nathan Rouse is the President of Thoroughbred Drill and Blast Consultants, an international engineering firm he founded in January. He has worked in the mining industry and focused on underground and surface drilling and blasting for around 15 years. He attended the University of Missouri-Rolla, where he graduated with a BS, MS, and PhD in Mining and Explosives Engineering.



Technical Topics:

(Presentations subject to change)

Blasting Optimisation Through GPS and MWD Drilling

Daniel Leemyer and Chris Pilmer

Selection of Blast Damage Mitigation Strategies for Multiple Damage Mechanism Scenarios

Bill Adamson

A Review of Contemporary Blast Design Data and Rules of Thumb

Lee Julian, David La Rosa and Matthew Craft

Cross River Rail - Blasting AA2 Tunnel Under Cavern

Ben Swain, Leigh Zapelli, Rauf Osterman and David Alt

Emulsion Breakers for Waste Explosives

Dr Chris Collins

Worsey Silva Equation for Modelling Fragmentation Caused By Row Timing

Tristan Worsey and J Silva

Enhanced Stope Performance Through the Introduction of Orica's 4D Underground Emulsion Technology

Sam Evans

Blazing a Trail to Mining Value Chain Optimization: Achieving Optimal Results with Drill and Blast Analytics Console

Farhad Faramarzi and Ralph Smith

Understanding Single, Dual and Multiple Salt Bulk Emulsions and Emulsion Blends

Tom Dermody

Blasting Optimization at Telfer Using Differential Energy Product

Anand Musunuri, David Tozer, Leonard Rowe, Bryan Sullend and Raghad Abbassi

Auto-temp for Drill and Blast

Lucas Ladyman

Possible Mechanisms for the Spontaneous Detonation of Bulk Explosives in Use, Transport and Storage due to Heat Energy

Gary Cavanough

Rock Mass Characterisation for Selective Blasting - What is the Next Step?

Ewen Sellers, Ebrahim Salmi and Farid Azhari



Technical Topics:

(Presentations subject to change)

ANE Tanker Explosion Investigation

Erin James

Wall Control Blasting Strategies

Trevor Little

Hard Rock Blasting with Sensitised Low-Density Explosives in a Copper Mine in the Andes

Hossein Asgari

Emulsion Explosives and the Circular Economy - Assessment of Oil from Plastic Bags, from Tyres and from Mines Waste in Emulsions

Miguel Araos

Gas Control Station for Blasting Process to Fulfill the Environmental Goals set by the Chilean Ministry of Health

Roberto Gomez and Johan Gjovdad

Vibration Monitoring Standards Connected to the Use of Explosives in Different Countries, Comparison of Standards - Aitik Mine, Sweden

Johan Gjovdad

Monitoring Effects of Ground Vibration from Mining Operations on Dams - Implications for Mining Operations

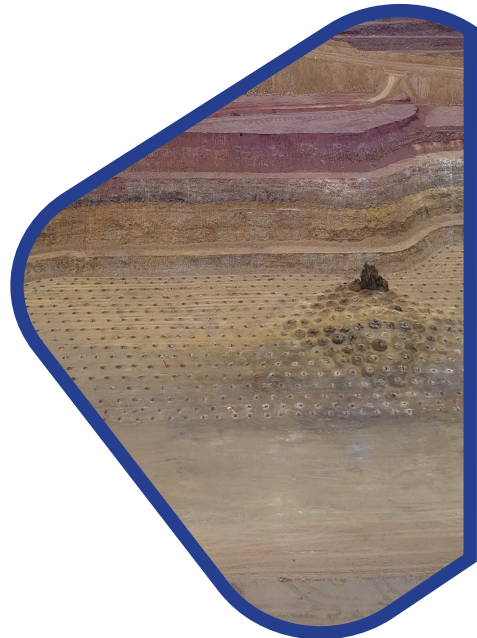
Kim Henley

Understanding Single, Dual and Multiple Salt Bulk Emulsions and Emulsion Blends

Tom Dermody

Technical Considerations in Through Seam Blasting

Thomas Daley



Conference Dinner

This year's Conference Dinner will be the famous Hawaiian/colourful shirt poolside get together. It is a very casual event to provide the chance to catch up with new and old friends. The Conference Dinner will cost \$95.00 per person and can be booked along with delegate registration in the store.

Partners are welcome.



Accommodation Information

We are pleased to advise that The Star can provide the following discounts at two of their accommodation facilities:

Promo Code: EVENT

The Star Grand Hotel

25% off Best Available Rate at time of booking

Subject to availability

The Star Residences (self-serviced apartments)

15% off Best Available Rate at time of booking (minimum 2-night stay required)

Subject to availability

The best way to book online is head to this link - <https://www.star.com.au/goldcoast/>

Then follow the below, choosing the Hotel/Accommodation and adding EVENT in the Promotional Code box to receive the discounts applicable. Alternatively, guests can call direct to the reservations team on (07) 5592 8130 or 1800 074 344 and state the booking code.



Platinum Sponsors

PLATINUM

BLASTING SERVICES

Gold Sponsors



Dinner Sponsors



Coffee Cart Sponsors



AUSTIN POWDER

Event Exhibitors

- » Action Drill and Blast
- » Aquirian Group
- » Austin Powder
- » Australasian Mining Services
- » Blast Ability
- » Blastcon
- » BME
- » Carlson Software Australia
- » Cenerg
- » Clariant
- » Diptek
- » Dyno Nobel
- » Enaex
- » Hanwha
- » IEE Global
- » International Mining Services
- » LiveMine Solutions
- » Maptek
- » Mine Excellence
- » Mining Skills Australia
- » MTI Group
- » O-Pitblast
- » Oresome Products
- » Orica
- » Petra
- » Platinum Blasting Services
- » PR Polymers
- » QMR Blasting Analysis
- » Rurex
- » Savtek
- » Shockwave Gel Technologies
- » Shottrack
- » Stemsafe
- » STX Technologies
- » Sun Mining Services
- » Tactech

Exhibition spaces and sponsorships are still available.
Please contact conference@iseeaustralia.org for more information.

About Us

The ISEE Australian Chapter is run entirely by volunteers as a not-for-profit Professional Society to give people in the Drill and Blast industry a forum to discuss and learn about new blasting techniques, standards, legislation, and technology. The Chapter was incorporated in September 2015 and all raised funds stay in the Chapter with the plan to provide sponsorships and student scholarships in the future.

For more information regarding the ISEE, please go to www.isee.org

Membership Information

Society Membership

The Society is based in Cleveland, Ohio, USA

- » Access to Onemine which includes thousands of technical papers, presentation and articles that have been presented all over the world.
- » Print and digital copies of the Journal of Explosive Engineers. This publication is provided quarterly.
- » The ability to vote and nominate for the Society Board.
- » Special rates for the Society Annual Conference and ISEE Bookstore.
- » Access to various templates, information and the ISEE marketplace.
- » Access to online training courses.

ISEE Society Associate Membership is US\$150 and Full Membership is US\$115

Click below to join: <https://www.isee.org/join>

Australian Chapter Membership

Chapter Membership

- » Required to be a Society Member (with fees up to date)
- » Chapter members can nominate and vote for the Chapter Board.
- » Chapter members are encouraged to get involved at Committee level.

The cost is Free.

Click below to join: <https://www.iseeaustralia.org/membership-2/>

Chapter Affiliate

- » Any person that is involved in the Drill and Blast Industry.

The cost is Free.

Click below to join: <https://www.iseeaustralia.org/membership-2/>

Australian Chapter Officers and Directors

President - Ryan Brogden

Vice President - Peter Howe

Secretary - Miguel Araos

Treasurer - Drew Martin

Past President - Michael Wiseman

Director - Paul Ahern

Director - Sarah Foster

Director - Paul Klaric

Director - Anthony Gilchrist

Director - Lee Julian

