

## Headlines

- Kalgoorlie Upcoming Events: 16 June'18 | 21 June'18
- Past Event: Technical Meeting | Monday 14 May 2018
- International Lithium Conference 2018 | 27-28 June 2018
- AusIMM Perth Branch partnership with CORE
- Roving Report
- Newsletter Advertising Rates
- Perth & Kalgoorlie Branch Committee Contacts

## **KALGOORLIE UPCOMING EVENTS:**

### **AusIMM 125th Kalgoorlie Branch Gala Dinner**

This year is the dual 125<sup>th</sup> anniversary of the AusIMM and the discovery of gold in Kalgoorlie!

**Date:** Saturday 16<sup>th</sup> June

**Venue:** Kalgoorlie Town Hall from 6pm

[Register Here](#) (Kalgoorlie Flyer Anniversary Gala FINAL.pdf)

### **Technical Meeting:**

**Date:** Thursday 21<sup>st</sup> June

**Venue:** Hannans Club from 5:30pm

**Cost:** Free for all attendees

**Guest Speakers:** Eric Hendrix & Martti Lehtinen from Flowrox - (more details will be available by [ausimm.com.au](http://ausimm.com.au) soon)

### **For further details please contact:**

Carla Vincent  
AusIMM Kalgoorlie Branch Vice-Chairperson  
M: 0488568477

## **PAST EVENT: Technical Meeting Monday 14 May 2018**

**Venue:** The Celtic Club, 48 Ord St, West Perth

**Speakers:** Paul Klaric: Technical Manager – Dyno Consult

**Topic:** One Size Fits All?

**The presentation will cover:**

Paul is the Technical Manager for Dyno Nobel's UG and Hard Rock business. After graduating university as a Surveyor, Paul shifted his focus to mining and explosives and has worked within the Drill and Blast space for the past 16 years in various roles, regions and mining methods.

**Summary:**

One Size Fits All? Blasting is an important step in the mining process and how we blast impacts on our licence to operate in addition to the entire downstream mining process. The presentation will consider how the desired blast outcome influences the blast design whilst accounting for the many variables present in a typical operation.



**Where:**

The Celtic Club  
48 Ord St  
WEST PERTH

**Cost:**

Free for all Attendees

**Includes:**

Networking from 5:00pm  
Technical Talk from 6:00pm

This technical meeting is brought to you by The AusIMM Perth Branch and is worth 1 PD hour



## **A Reminder:**

### **INTERNATIONAL LITHIUM CONFERENCE 2018 - Perth 27–28 June 2018**

Registrations are still open - <http://lithium.ausimm.com/news/registration-is-now-open/>

Over the two-day conference, global experts from both industry and academia will share their knowledge, views and predictions of this growing phenomenon of evolution from mysterious to indispensable metal.

This conference will pragmatically focus on the successes, the challenges, the technical evolution, the end usage and the future of lithium.

We look forward to seeing you there.



## AusIMM Perth Branch partnership with CORE

The AusIMM Perth Branch has committed to a 12-month Network Partner agreement with CORE Innovation Hub in the Perth CBD.

As part of this agreement, Perth Branch members together with visiting Western Australian members are invited to access and utilise a managed, co-working 'hot desking' space, located on the Ground Floor and Basement level of 191 St George's Terrace, Perth.

The purpose of this 12-month arrangement is to encourage inter/intra-member networking, expose members to ongoing collaboration initiatives and strengthen a wide range of partnership and innovation opportunities across the resources sector.

This facility offers 'hot desk' options – desk, quiet corner (including kitchenette and complimentary WiFi) together with access to CORE's event programs.

With a view to accelerating professional development, the Perth Branch will continue hosting its Masterclass Series at the CORE venue, where other events such as hackathons, presentations, sundowners and workshops will also be held.

AusIMM Western Australian members are also encouraged to attend the following regular events:

- **Member Monday Morning Tea:** 10am every Monday in the CORE entrance. [Start the week sharing news and ideas with other members] BYO coffee.
- **Member Happy Hour:** 4.30pm every Friday.
- **Meet the Innovator:** 5pm on the first Wednesday of the month in the Basement. [Each month a guest Innovator shares insights about their work, global opportunities and professional journey].

For both under-utilised and over-utilised members, a significant benefit of co-working is the opportunity it provides to forge new connections. With this in mind, please do introduce yourself to others in the space.

### Member Access

Members can arrange access to CORE's facilities for up to one day at a time. To take advantage of this opportunity, email [PerthCore@ausimm.com.au](mailto:PerthCore@ausimm.com.au) at least one day before you plan to work from CORE, with the date and time you require access. You will be individually provided details on how to access the space, together with relevant CORE contacts.

## ROVING REPORT

Dear Member,

The week of 23<sup>rd</sup> – 27<sup>th</sup> April saw an invasion of Aussies here for Expomin 2018 and what a show and what a packed week it was! It's been a few years since I last attended the event and it seems to have grown huge, reflecting the renewed hope, optimism and general oomph coming back into the mining industry in this part of the world. Lots of new "toys" to show off and major representation by the Chinese as compared to what I remember from my last visit.

An Austmine Mission to Chile and Peru was also in town. Found myself invited to an Austrade/Austmine panel to discuss "Innovation in the Chilean Mining Industry" alongside Oscar Castañeda, Executive Director of Strategic Technologies for Codelco and Orlando Jimenez – the Executive Director of CSIRO in Santiago. Fluor's Senior Vice President and Head of Technology Group – and my old boss from Signet Engineering days as well as Frank Moritz - VP Minerals (South America) for FLSmidth completed the line-up. Bumped into old friends like Steve Hall (both of them, that is), Chris Gibbs-Stewart and Alan Broome (CEO and President Emeritus respectively of Austmine).



Féniz (Phoenix), the "capsule" that rescued the famous "treinta tres" – the 33 trapped miners who survived 69 days underground back in 2010 following a major rock collapse at the San Jose copper-gold mine in northern Chile.

When you get close to it, it seems frighteningly small. One can only imagine how scary it must have been being pulled up from one's underground prison to emerge after all that time into the light and fresh air.

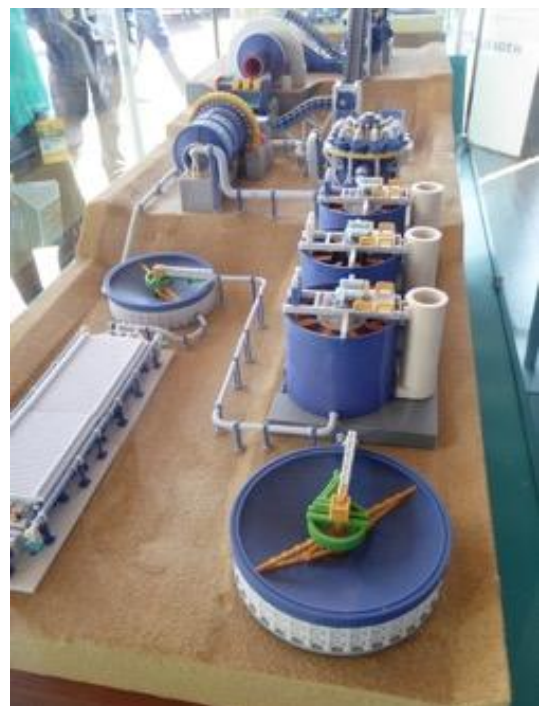
A movie was made starring Antonio Banderas with the usual poetic licence taken of the reality of the event. Despite their all too brief time in the limelight, it is rumoured that unfortunately none of the survivors went on to anything like equal stardom or even economic success.

Expomin 2018 was packed with students from all the mining and metallurgy courses as well as many more engineering and technical disciplines. What a fabulous learning experience and what I wouldn't have given when a mineral processing student to have been able to have had access to the wealth of information available and to get up close and personal to the kit on show.

I was particularly taken with FL Smidth's 3D-printed scale model of a plant that one could zoom into with an iPad and get details of each piece of equipment including cutaway views of material being crushed, ground, cyclone and filtered.

According to Aurora Williams, Minister of Mining, Chilean mining operations currently spend \$15 bn on support services a year. Chile remains the world's No. 1 copper producer and one of the top lithium suppliers and is expected to attract about \$60 bn in new mines and expansions over the next 20 years. It is also focussed on supporting and helping develop some 250 world-class suppliers providing innovative solutions and exporting \$10 bn by the end of the next decade.

The Government is also looking to reduce Chile's infamous red tape that clogs up the world of mining approvals.



In a report from the influential Fraser Institute of Canada, Chile has now moved up the scale to No. 8 of the world's most attractive jurisdictions in which to invest in mining. This is based on interviews with key mining executives and consultants and covers a combination of attractive geology, political perception, public policy and support for exploration amongst other factors.

How different to Indonesia where I have just come from and which saw Foreign Direct Investment (FDI) turn negative for the first time since 2004. High profile clashes with Freeport over the Government's share of Grasberg certainly haven't helped sentiment.

Chile's National Copper Corporation, Codelco, is working hard to pursue a more innovative approach and much has been said at senior levels, including at the recent Austmine panel, and by its most senior management who are charged with transforming the monolithic organization. The usual topics of digitalization feature strongly as they do in most parts of the world while in Chile particular challenges include reducing water consumption, researching ways to reduce arsenic in concentrates, and finding viable ways to process low-grade primary sulphides.

Despite its position as the world's largest copper mining company with some 11% of global copper production, reserves are diminishing and heavy investment is needed to extend the lives of existing mines and to develop new ones. It also has to be remembered that under current legislation dating back to the Second World War, 10% of Codelco's revenues by law are directed to the nation's armed forces – a huge millstone in times of reduced profits.



Much has been said recently about the potential for copper demand increasing as we move to a world of electric vehicles. Another part of this equation is, of course, battery power. And that means Lithium. Along with Argentina, Australia and Bolivia, Chile is well placed in this regard. Interesting to see that there will be a major Conference in Perth in June; bound to be a huge success. A bit of a fight going on about Chinese investment in Chile for this very strategic mineral. I also see that for "bulk storage" Vanadium is once again back on the agenda just as it was in 1998 when I was working on Windimurra Vanadium. Little is new under the sun.

And of course, I couldn't finish off without a mention of some of my favourite topics – wine, music, song and dance. A chance to taste wine from the Cachapoal Valley; watch the Chilean National Dance, the Queca, perfectly executed by a young couple; and listen to folk music glass of wine in hand. A tough life, but someone has to do it.



Until next month, very best wishes, and stay safe,

Richard F. Dewhirst, FAusIMM(CP) cavallhao@gmail.com (skype : richarddewhirst1)

**PS** : For anyone that wants to contact me, I am covered by a variety of communications such as skype, WhatsApp, Viber, Facetime, and my Chilean mobile (+56 9 3201 5500) bearing in mind I am 11 hours behind Perth. I am also on LinkedIn (who isn't?). Anyone passing through make sure you let me know!

## Technical Talk Downloads and DVDs

Dear Members,

All Technical Talks up to February 2014 are filmed and are available for downloading free to members. Please see the AusIMM Shop or AusIMM YouTube channel for these talks.

Selected talks after Feb 2014 have been recorded as podcasts, with accompanying PowerPoint slides. Please contact the branch directly ([perth@ausimm.com.au](mailto:perth@ausimm.com.au)) for details.

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## Perth Women's Auxiliary

- Telephone and Postal Correspondence

Barbara Steemson is now the person to contact for **ALL** information, enquiries or to give apologies.

- Email Correspondence

Lorraine Mackay will monitor the email correspondence and forward as necessary.

### Perth Women's Auxiliary Committee 2015

<b>President</b>	Barbara Steemson
<b>Main Contact, Gifts &amp; Speakers</b>	
<b>Vice President/Minutes Secretary</b>	Rosemary Morrow
<b>Administration Secretary</b>	Lorraine Mackay
<b>Treasurer</b>	Lesley Player
<b>Committee</b>	Valmai Farthing
<b>Committee</b>	Heidi Hardy
<b>Committee</b>	Rae Flanagan
Email correspondence to: <a href="mailto:ausimppwa@westnet.com.au">ausimppwa@westnet.com.au</a>	

## Advertising

### NEWSLETTER ADVERTISING RATES

AusIMM ABN 59 836 002 494

Advertisements Size	Per Issue/month
Full page (A4):	\$440 (gst excluded)
Half Page	\$220 (gst excluded)
Third Page	\$143 (gst excluded)
Quarter Page	\$110 (gst excluded)
Business Card size	\$55 (gst excluded)

Dimensions are only approximate and will be edited to fit the space available

Inserts (PDF version to be supplied)

Pre-printed A4 \$385

All enquiries please contact: [perth@ausimm.com.au](mailto:perth@ausimm.com.au)

An invoice will be sent to you. Please post payment to the Treasurer,  
Perth Branch The AusIMM, PO Box 1369, West Perth, WA, 6872.



Perth Branch Committee 2018	
<b>Chair</b>	Trivinden Naidoo MAusIMM
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<b>Honorary Treasurer</b>	Rob Massard MAusIMM
<b>Honorary Secretary</b>	Adrian Troy MAusIMM
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<b>Student Chapters Liaison</b>	Adrian Troy MAusIMM
<b>Mentoring/ESWA</b>	Trevor Stevenson MAusIMM
<b>MAP/Mentoring</b>	Terry Burns FAusIMM
<b>Professional Standards &amp; Ethics</b>	Jeremy Peters FAusIMM
<b>WIMWA</b>	Alex Atkins
<b>MinSoc Liaison</b>	Richard Beazley
<b>MetSoc Liaison</b>	Richard Williams Dean David
<b>Editor/Secretariat</b>	Deidre Watson
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Perth Student Chapter Presidents 2018		
<b>Curtin Student Chapter President</b>	Anthony Pietruszko	<a href="mailto:CurtinSC@ausimm.com.au">CurtinSC@ausimm.com.au</a>
<b>Murdoch Student Chapter President</b>	Kristian Monterio	<a href="mailto:MurdochSC@ausimm.com.au">MurdochSC@ausimm.com.au</a>
<b>UWA Student Chapter President</b>	Alex Turner	<a href="mailto:UwaSC@ausimm.com.au">UwaSC@ausimm.com.au</a>

Kalgoorlie Branch Committee 2017	
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<b>Treasurer</b>	Cheryl Workman-Davies MAusIMM
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<b>Community Relations Coordinator</b>	Clive Workman-Davies MAusIMM
<b>Heritage Subcommittee</b>	Jacinta Ireland MAusIMM, and Josh Walley GAusIMM
<b>WASM Liaison</b>	Oktay Erten MAusIMM
<b>Student Chapter President</b>	Hendrik Enslin SAusIMM
<b>Committee</b>	Allison Golsby MAusIMM
<b>Committee</b>	Tim Mills MAusIMM
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