

# **CASTINGS**

## **NEWS & VIEWS**

**SEPTEMBER 2018**

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### **Message from the Chairman**

Welcome to our latest issue of the CTNZ newsletter. As the incoming CTNZ Board Chairman I would like to sincerely thank Dean Armiger, Craig Smith and Robin Stanley for their continued support to CTNZ as board members during 2017 year. I'd also like to welcome our new board members namely Kurt Read, Mickael Dennoncourt and Adam Hubbard to the 2018 Board of CTNZ. We are now starting to make some great plans for the next CTNZ conference in 2019, after the recent very successful Napier conference in August. I am sure I am not talking out of turn when I say that the Napier conference was enjoyed immensely by all the members and guest speakers that attended. In September our CTNZ board members had a stand at the careers expo at the Vodafone Events Centre in Manukau with approximately 2000 students and trainees visiting (ref picture below). This was another opportunity for Casting Technology to help promote the

foundry industry as an interesting and viable employer. I look forward to working with the board to help to promote Casting Technology wherever we can as great industry to belong to.

Thanks  
Darryl Bruce  
CTNZ Chairman

### **CTNZ Industry Champion Report**

CTNZ was recently invited to participate in the 2018 NZMA Careers Expo held at the Vodafone Events Centre in Manukau. Of 134 exhibitors our booth was the only one promoting a career in manufacturing and engineering. There was a lot of interest in hospitality, hotels, rest homes and healthcare as well as police and security and fitness centres. We demonstrated computer simulation and methodology and exhibited a small range of cast product. Approx. 2000 students passed through during the day. My thanks to Mickael, Darryl and Kurt who participated on the stand.



As part of CTNZ interest in education I have been invited to AUT's 2018 Engineering Student Project Exhibition on 4th October 2018 at the AUT City Campus. This is a chance to meet with final-year undergraduates who are about to embark on their next journey – employment and careers. They're looking forward to showing off their work and discussing the outcomes of their year-long research projects. At our conference there was much discussion on Industry 4.0 and how foundries will change. Existing foundries often have a diverse range of automated manufacturing processes and equipment, such as computer modelling and simulation in design and methods engineering. A key sticking point in the rollout of Industry 4.0 remains skilled personnel and for the future we need to demonstrate to these undergraduates that foundries can offer a good career.

After discussion with Metals NZ our members will now receive a copy of HERA Newsletter by email. There is a lot of information on upcoming events and trends in the engineering world.

Bill Lovell  
Industry Champion  
Bill Lovell  
Industry Champion

**CTNZ Conference 2018 'A Science not an Art'**

The Art Deco Capital of NZ was the perfect setting for our conference this year. Napier is always interesting with its earthquake history and the beautiful buildings filled with collectables. The Art Deco Masonic Hotel was our venue for the conference and it is one of those special buildings filled with memorabilia.



Thirty members participated in the industry tour to Ravensdown Fertiliser manufacturing plant at Awatoto. Ravensdown are substantial purchasers of consumable castings supplied by our members throughout NZ and it was a good opportunity to see the machines that these parts are used in.



Friday night drinks and canapes were sponsored by our local man, Peter Penman and was a good opportunity to catch up with our colleagues in the industry in the comfort of the Gatsby Room.



The Gatsby Room was also the venue for the technical sessions on Saturday where the delegates listened attentively to a wide range of subjects affecting the industry particularly in the future.



For a change of venue we boarded a coach to Church Rd Winery where we had an enjoyable evening in the Tom McDonald Cellar supplied with excellent food and wine.



A focal point is the Chairman's welcome and acknowledgement of our sponsors followed by the presentation of the Foundry Award. This year's award for dedication and excellence in foundry work was presented to Dean Armiger, outgoing Chairman of CTNZ Board acknowledging his work for the industry.



Nick Collins the new CEO of Metals NZ presented the case for continued membership of Metals NZ prior to the AGM on Sunday morning and this was discussed at the meeting. Our Keynote speaker, John Pearce gave his final presentation prior to all departing.

Our partners enjoyed shopping in the CBD before joining together for lunch at Mister 'D' an iconic Napier restaurant.

### Employment - Job Vacancies

Recently I have received three employment application enquiries and one business opportunity enquiry.

Conrad Gombert an experienced foundry worker currently in Johannesburg. Email; [deilene@orbilinx.co.za](mailto:deilene@orbilinx.co.za)

Raymond Katsande a moulder and closer from South Africa. Email; [raykhay@gmail.com](mailto:raykhay@gmail.com)

Thembanincube an experienced patternmaker in South Africa. Email; [thembanincube03@gmail.com](mailto:thembanincube03@gmail.com)

Mike Webb is from South Africa and has been recycling foundry waste from a number of foundries in South Africa for many years. His process involves the separation of chromite from silica as well as the crushing and processing of slag waste for downstream use. The processed wastes are been supplied into the construction and brickmaking industries and are a cheaper solution compared to quarry sand and stone. There is a major cost saving to the foundries that they service as their waste no longer has to be sent to expensive landfill facilities.

Mike is interested if there is an opportunity for him to start a similar operation in New Zealand.

Email; [mike.webb2011@gmail.com](mailto:mike.webb2011@gmail.com)

If you are interested in these applicants and want their CV please contact me.

## MetalsNZ Update

Notice was given to the AGM that membership of Metals NZ and its significant cost should be discussed and evaluated for benefit to CTNZ. The meeting resolved to continue membership for another year and measure the outcome.

Since then I have had discussions with Nick Collins about education and immigration issues.

Our input into Standards NZ h contributed to by Russell McCabe from Gillies advising on Cast iron pressure and fitting since 23/09/2013 and Valves for water supply purposes from 06/05/2016.

Shortly after confirming that Russell was available for this year's review meeting we received advice from Standards New Zealand that it would not proceed with the joint development of AS/NZS 2280 and AS/NZS 4793 as there isn't a New Zealand commissioner who is in the position of funding the project. Therefore these standards will be AS only. After much email negotiation with Nick Collins advocating on our behalf Standards NZ has undertaken with the building regulator within MBIE (Building Systems Performance), the regulator has agreed to fund the project commissioning fees for this joint project.

The building regulator has noted that AS/NZS2280:2014 is cited as a primary reference in E1/AS1 and G13/AS2 of the Building Code. While the regulator does not intend to be a member on the joint committee or be formally involved with the amendment, they expect to have the opportunity to provide feedback during the consultation process of the amendment.

CTNZ appreciates the work done by Russell and Nick to prevent further watering down of NZ Standards.

## Conferences and Events

### AFI National Conference 2018

**Where:** Sea World Resort, Gold Coast, Qld

**When:** 12th—14<sup>th</sup> October 2018

<https://expertevents.eventsair.com/QuickEventWebsitePortal/afi-2018/web>

### NESM Annual Conference

**When:** 13<sup>th</sup> – 15<sup>th</sup> November 2018

**Where:** Energy Events Centre, Rotorua, NZ  
[www.nmec.co.nz](http://www.nmec.co.nz)

### GIFA

**When;** 25<sup>th</sup>- 29<sup>th</sup> June 2019

**Where;** Dusseldorf Exhibition Centre, Germany  
[www.gifa.com/](http://www.gifa.com/)

## AFI Conference 2018

54th AUSTRALIAN FOUNDRY INSTITUTE  
NATIONAL CONFERENCE

### "All Systems Go"

Sea World Resort, Gold Coast,  
12 – 14 October, 2018.

Friday 12th October 2018 13:00 – 16:00

Barefoot Bowls and lunch – a complimentary shuttle bus will be provided to and from the bowls club and Sea World Resort. Tickets must be pre-purchased \$55 per person.  
18:00 – 20:00 President's reception – Waterfall Café at Sea World Resort. All welcome.

Saturday 13th October 2018 9:00 – 9:10

President's Introduction – Kimberly Workman, AFI Queensland President 9:10 – 10:10 Keynote Speaker: An overview of the global casting production with special emphasis on the Australian Foundry Industry - Mark Fenyes, Omega Sinto Foundry Machinery, UK

10:10 – 10:50 A personal view on the past, present and future of our industry - Doug Harland

10:50 – 11:20 Morning Tea

11:20 – 11:50 Sales as a Competitive Advantage - Vu Hua, Mercedes Benz

11:50 – 12:30 Cycle of Innovation - Tracey Murray, Glasshouse Advisory

12:30 – 13:00 Innovation Readiness in Australian Supply Chain - Lee Styger, Sydney Business School, University of Wollongong

13:00 – 13:40 Lunch

13:40 – 14:20 3D Sand Printing of Moulds and Cores - Gary Savage, CSIRO

14:20 – 15:00 Augmented Reality - Garry Hargraves, SkillsTech, TAFE Queensland  
 15:00 – 15:40 Digital Transformation of Metal Casting Industry - Christian Kleeberg, RGU Asia  
 15:40 – 16:10 Afternoon Tea  
 16:10 – 16:50 Intelligent Software for Modern Foundries - Jeff Meredith, Casting Solutions  
 16:50 – 17:15 An overview of the WFO Conference 2018 - Kimberly Workman, AFI Queensland President  
 17:15 – 17:30 AGM and end of day  
 19:00 – 22:30 Conference Dinner – Shark Bay, Sea World.  
 Sunday 14th October 2018  
 9:30 – 10:00 Failure Investigations - Paul Schaffer, Explicom  
 10:00 – 10:30 Power Savings - Andrew McNair, Energy Options Australia  
 10:30 – 11:00 Morning Tea  
 11:00 – 11:40 Panel 1 - Failure Analysis  
 Panelists: Murray Brown, Jeff Meredith, Paul Schaffer, Jack Frost  
 11:40 – 12:20 Panel 2 - Cost Saving Panelists: Andrew McNeil, Tracey Murray  
 12:20 – 12:30 Close Out  
 12:30 Lunch

### MESNZ National Conference

"The ONLY ABSOLUTE MUST ATTEND Engineering Conference"

Spend three days with NZ's top leaders in maintenance engineering as they address today's most pressing maintenance and reliability challenges. You'll go home with new strategies and techniques to maximise plant performance, minimise down-time and plant operating costs, build efficiency and effectiveness, and improve the productivity of your team. NMEC is known for its relaxed and friendly atmosphere among delegates and industry participants. This atmosphere is actively encouraged to maximize the benefits for both delegates and exhibitors. This is your invite to attend New Zealand's most comprehensive maintenance engineering conference:

### NMEC 2018 - Healthy Machines > Healthy People > Healthy Profit

When; 13 – 14 – 15th November 2018  
 Where; Energy Events Centre, Rotorua  
[www.nmec.co.nz](http://www.nmec.co.nz)

### Southmach 2019

SouthMACH is the South Island's premier technology trade show celebrating the heartland of NZ Manufacturing. If you are an Engineer - Mechanical, Design, Consultant, Electrical. Machinist, Communications Technician/Manager, Supervisor, Technical Operator, Operations Manager, or similar, SouthMACH offers the tools, technology and services to work smarter.

With one visit to this show you can see all the big names from your industry and can really weigh up the benefits of each before you make the big decision. You can then be sure you are getting the very best.

This biennial event gives you the opportunity to come face-to-face with the experts behind the key innovations entering the New Zealand market.

Where; Horncastle Arena, Christchurch  
 When; Wednesday 22<sup>nd</sup> May 2019 9am-6pm  
 Thursday 23<sup>rd</sup> May 2019 9am to 4pm  
[www.southmach.co.nz](http://www.southmach.co.nz)

### Board Members Email Contacts

Should you have any queries or require assistance, please feel free to contact a Board member.

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