

STEEL FUTURES

➔ MAY 2018

MAKE THE SECOND HALF OF 2018 COUNT IN YOUR SFC JOURNEY

It is hard to believe that we are already one third of the way through 2018. As the time races past, we often need a reminder to step back, evaluate the year so far against our goals and objectives, and act to get back on track if necessary.

Ensuring that **Steel Fabricator Certification (SFC)** figures in your business planning is vitally important as there is now less than three years remaining to gain certification.

I am pleased to report that another nineteen Steel Constructors have made a commitment to gain SFC by March next year. However so far, only six of these businesses have taken steps to start the process. Hopefully we will see more of you make an active commitment as the year progresses.

We are increasingly seeing Engineers and Local Authorities take notice of the value of having an audited quality system in place for structural steel particularly in relation to AS/NZS 5131, so we urge you to plan ahead and contact us to discuss booking implementation dates for 2019 and 2020.

Contact us now to have an informal discussion about becoming certified.

As part of our communications strategy, SCNZ will periodically feature in **trade publications**.

Please be aware that although sales teams representing these publications may contact you and invite you to support features with advertising spend – you are under **no obligation** to do so. In many instances SCNZ is not even aware that this contact is taking place.

We have also had one case where a publication has printed articles about SCNZ without our knowledge and we are addressing this.

We will endeavour to alert you to coverage prior to publication, but if you are contacted by a publication in relation to an SCNZ feature and you have any doubts or questions, please do not hesitate to contact us on info@scnz.org.

Darren is based in our Auckland office and can be contacted on phone: 09 262 6684 or email: darren.o'riley@scnz.org.



Darren O'Riley
SCNZ Manager

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LAST CALL - 2018 EXCELLENCE IN STEEL AWARDS

The deadline for preliminary entries for the annual **Excellence in Steel Awards**, administered by SCNZ, is fast approaching.

The 2018 Excellence in Steel Construction Awards will be presented at the SCNZ Gala Dinner at Steel Agenda AGM and Conference to be held in Rotorua on 28 September.



Initial entries must be submitted by 1 July 2018. Preliminary judging will select finalists for each category. Each finalist will then be asked to submit further information.

The Awards feature an updated format, revised categories and exciting new opportunities. The new format is designed to allow easier initial entry without lowering standards. **The first phase of entry should not take longer than 30 minutes to complete as it just requires a brief overview of the project, drawings and photos.**

In addition to each category winner and the overall supreme winner, each finalist will be acknowledged at the presentation and will receive an award, plus complimentary tickets to the Gala Dinner. We encourage you to invite as many of the project team as possible as all finalists will be invited onstage to receive awards.



*Excellence in Steel Awards 2017
\$500K to \$1.5m Category Winner:
Sky City Atrium Fit-Out, D&H Steel
Construction*

The objective is to celebrate New Zealand's excellence in the field of steel construction by identifying projects that demonstrate efficiency, cost effectiveness, application of sustainability principles, aesthetics, best practice, outstanding teamwork, great safety management, and innovation.

The SCNZ 2018 Awards for Excellence in Steel are rewardingly hard to win but quick and easy to enter. What are you waiting for?

Click [here](#) for more information (including the low-down on the brand new "stand-alone residential home category") and to submit your preliminary entry.

2018 SCNZ APPRENTICE OF THE YEAR – OPEN FOR ENTRIES



Do you know someone who has got what it takes to be the **2018 SCNZ Apprentice of the Year**?

The 2018 SCNZ Apprentice of the Year Award, in association with award sponsor Weldwell and industry training partner Competenz, is open for entries.

The winner will be presented with a trophy and \$1000 in prize money at the SCNZ Gala Dinner at Steel Agenda AGM and Conference to be held in Rotorua on 28 September.

The award celebrates excellence amongst apprentice fabricators and casts a spotlight on careers in the structural steel industry. It acknowledges people whose skills, drive, and willingness to learn and work hard has helped them to achieve outstanding outcomes.

Entries must be submitted by 6 July 2018. The initial entry process has been changed to make it easier, less complex and much quicker. A significant change is that your business (not the apprentice themselves) must now make the nomination, assuming the apprentice is willing.

The four-member judging panel will comprise of a fabricator; and representatives of award sponsor Weldwell, our industry training partner Competenz and the Heavy Engineering Research Association NZ Welding Centre.



Simon Jackson of MJH Engineering took out the second Apprentice of the Year Award, which was announced during a gala dinner following SCNZ's Steel Agenda (AGM and Conference) in September 2017.



More information on the Awards, including details on how to enter, is available [here](#).

B1/VM1 AMENDMENT NO 16 COMING INTO FORCE - AS/NZS 5131 NOW CITED

Over the last 12 months, SCNZ has worked closely with HERA and the Ministry of Business, Innovation & Employment (MBIE) to update steel industry standards referenced in the Acceptable Solutions and Verification Methods (B1/VM1) of the New Zealand Building Code.



These amendments to B1/VM1 relate to minimum standards for fabrication and erection; structural steel products and expanding the choice of high strength structural bolts. **Following a three-month transition period, the amendments will come into force on 3 July 2018.**

The 1997 version of the steel structures standard NZS 3404.1 is the primary reference document in the New Zealand Building Code (NZBC), but is over 20 years old. Many of its normative references to structural steel and fastener product standards are outdated, and to compound matters the publication of the fabrication and erection standard AS/NZS 5131 created some ambiguity. This was because it provided rules also considered by Section 14, 15, 16 and 18 and Appendix C, D, K and L of NZS 3404.1:1997.

Rather than engage in the long process of revising NZS 3404.1, work was undertaken to replace sections of this standard through an amendment of B1/VM1 instead.

These proposed amendments were put out for consultations by MBIE in September 2017, and were driven as part of their response to investigations into the performance of the Statistics House and Canterbury earthquakes.

Kevin Cowie, SCNZ Senior Structural Engineer (Technical Development), comments: "We believe this is a step in the right direction to ensuring that B1/VM1 remains relevant to the steel industry. It will also work towards removing some of the doubt that currently exists around NZS 3404.1:1997 and its references to outdated standards."

Significant changes include:

- AS/NZS 5131 will replace NZS 3404.1 as the cited standard for fabrication and erection of structural steelwork
- The inclusion of the latest AS/NZS structural steel material and welding standards, specifically:
 - 2016 version of AS/NZS 1163, AS/NZS 3678, AS/NZS 3679.1 and AS/NZS 3679.2 together with the 2002 version of AS/NZS 1594

- 2014 version of AS/NZS 1554.1

The inclusion of the European standard for high strength structural bolts to expand user choice and prepare industry for the bolt standard AS/NZS 1252 being replaced in the future. Consequently, fasteners to the following standards can be used: 2015 version of BS EN 14399-1, BS EN 14399-2, BS EN 14399-3 and BS EN 14399-5.

Please note that an exception has been made regarding the use of cast iron anchors and couplers, which will continue to be compliant under B1/VM1 Amendment 16 until 1 November 2018.

Kevin continues: “Looking at the bigger picture, these changes to conformity requirements will also encourage improvements to the quality of steel products being used in New Zealand’s built environment, ensuring design assumptions made by relevant design standards remain valid.

“The reference to the new Structural Steelwork Fabrication and Erection Standard AS/NZS 5131 is particularly important. This is because it not only defines best practice for national projects, but forms the basis for the **Steel Fabricators Certification (SFC) Scheme.**”

To help the industry transition to the requirements, SCNZ Engineers will be delivering in-house presentations to engineering consultants.

These amendments will be covered in the July / August Steel Structures Seminar for engineers and the Breakfast Seminar Series for builders (further details available in this newsletter).

SECOND SCNZ FABRICATOR BENCHMARKING SURVEY TO COVER OVERTIME

Last year SCNZ introduced its Fabricator Survey covering industry pay rates. The survey attracted a good rate of participation and we received excellent feedback on the benefits of taking part.

As such a new survey has been sent to SCNZ Steel Constructor (Fabricator) members. Following discussion at Regional Fabricator Forums on what other key performance measures should be included, this year’s survey will also cover overtime.

As always, the information supplied by participants will be treated with strict confidence and only overall averages will be sent to those who take part in the survey. No individual information will be shared.

Please send your completed survey back to SCNZ by 1 June 2018. If you have not received your copy, please contact Rebecca Symonds, SCNZ Marketing Administrator, know (email: rebecca.symonds@scnz.org or phone: 09 263 5638)

Results will be shared with participants in June. **For further information, please contact Darren O’Riley, SCNZ Manager (email: darren.o’riley@scnz.org or phone: 09 262 6684).**



SCNZ LAUNCHES 2018 STEEL STRUCTURES SEMINAR

Following the success of our 2017 Steel Structures Seminar series, SCNZ is proud to announce that a new “Practical Steel Frame Design Seminar” will be delivered in venues across New Zealand throughout July/August.

Aimed at practicing structural engineers, the afternoon seminar will consist of two sessions:

The **Design of Seismic Resistant Steel Buildings** session will look at the seismic design of Moment Resisting Steel Framed Seismic Resisting Systems for low rise industrial and multi-level buildings, and discuss the performance of steel buildings during the 2016 Kaikoura earthquake.

Both the Christchurch and Kaikoura earthquakes have reminded engineers of the importance of ensuring resilience in the design of seismic frames. Moment frame structures provide architectural freedom in design, permitting open bays and unobstructed view lines.

The outcome of HERA commissioned research into the seismic performance of steel buildings during the Kaikoura Earthquake will be presented together with recommendations to further improve steel construction performance in severe earthquake events.

Tips on cost effective structural arrangements for portal frames structures will also be shared, with emphasis on optimizing the combination of critical components: cladding, purlins and portal frame member sizes and connections.

The **What every engineer should know about fabrication** session will focus on standards/updates. It will cover the new AS/NZS 5131 fabrication and erection standard, which is now cited in the Building Code for Steel Fabrication and Erection, and the role of the engineer in its implementation.

The session will demonstrate where cost savings can be made in design and why shop detailing is done in-house by the fabricator, giving attendees a behind-the-scenes look at a fabrication shop.

Several top industry experts are lined up to present, including:

- Jamie Macredie. Widely respected for his ability to deliver genuine value to customers, Jamie has designed portal-framed buildings for the last 25 years;
- Amir Shahmohammadi. Currently conducting research in Structural Engineering and Civil Engineering at the University of Auckland, Amir has a special interest in seismic analysis and design;
- Alistair Fussell. Former SCNZ manager who has specialist knowledge in the design of steel structures;
- Bob Hawley. Managing Director of Red Steel, a specialist structural steel company in Hawkes Bay;
- Wayne Carson. General Manager and a Director of D&H Steel Construction, Wayne is experienced in the product and market development of innovative steel construction systems.

SCNZ Manager, Darren O' Riley, comments: “Given the fast-paced nature of our industry, it is all too easy for us to focus on deadlines and getting the job done. However, it is vital for engineers to spend quality time ensuring they are up to speed with the latest industry developments.

“This seminar is packed with opportunities for engineers to update their knowledge, improve their skills for designing cost-effective and seismically resilient steel structures and network with industry peers.”

We are offering a special discounted rate of \$200 (incl GST) to SCNZ Members.

To find a seminar near you and register online, please click [here](#).

SCNZ TARGETS BUILDERS WITH NEW BREAKFAST SEMINAR SERIES

SCNZ is to hold a series of free breakfast seminars with the purpose of bringing builders up to speed on steel fabrication and the new fabrication and erection standard (AS/NZS 5131).



Lasting an hour and a half, the seminars will cover the following topics:

- How to comply with the new AS/NZS 5131 standard;
- Where cost savings can be made in steel fabrication (e.g. how early subcontractor engagement delivers value to projects if a local fabricator is bought on board early);
- Why shop detailing is best done in-house by the fabricator.

The benefits of using a SFC Certified Steel Fabricator will be highlighted and attendees will be given a 'walk-through' of a structural steel fabrication workshop.

Darren O'Riley, SCNZ Manager, comments: "It is important that builders understand the implications of SFC and the role that the scheme can play in managing quality and reducing risk on building projects.

"These seminars give you an invaluable opportunity to invite your builder to hear directly from steel industry experts, gain tips on their next structural steel project and learn about how steel fabrication can add value to their projects."

Dates

Tuesday	17 July	Tauranga, Trinity Wharf
Wednesday	18 July	Hamilton, Novotel Hotel
Wednesday	25 July	Napier, Crown Hotel
Friday	27 July	Auckland, Crowne Plaza
Wednesday	15 August	Dunedin, Distinction Hotel
Thursday	16 August	Christchurch, Chateau on the Park
Wednesday	22 August	Palmerston North, Hotel Coachman
Thursday	23 August	Wellington, Copthorne Oriental Bay

NZIOB (New Zealand Institute of Builders) members who attend this SCNZ event will receive 3 CPD credits.

SCNZ Steel Constructor (Fabricator) members will shortly receive invites to pass onto their builders. Numbers are limited so don't delay!

JUNE/JULY REGIONAL FABRICATOR FORUMS

Thanks to everyone who attended the **Regional Fabricator Forums** in March. We are pleased to announce that the second series of 2018 Regional Fabricator Forums have been scheduled for June/July.

REGIONAL FABRICATOR FORUM

NORTHERN

CENTRAL

SOUTHERN

The dates and venues are:

- **Northern Chapter Forum – 21 June**, HERA House, Manukau
- **Central Chapter Forum – 28 June**, Hotel Coachman, Palmerston North
- **Southern Chapter Forum – 5 July**, John Jones Steel, Christchurch

Darren O'Riley, SCNZ Manager, will provide a heads up on key SCNZ projects and events to look out for in 2018.

To register for your local event, contact Rebecca Symonds, SCNZ Marketing Administrator (email: rebecca.symonds@scnz.org or phone: 09 263 5638).

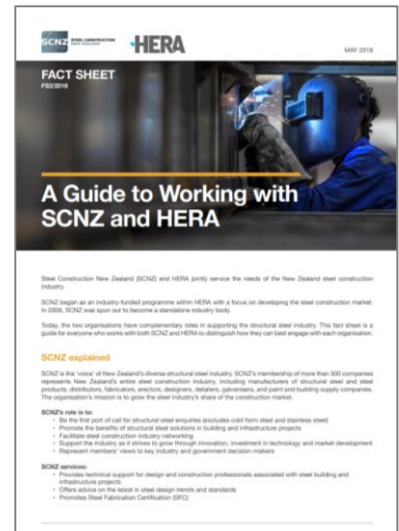
A GUIDE TO WORKING WITH SCNZ AND HERA

SCNZ and HERA have teamed up to create a new fact sheet about the unique roles that both organisations have in supporting the structural steel industry.

The fact sheet explores the origins of SCNZ and HERA and outlines the services provided by the two organisations.

Despite having distinct aims and missions, the two organisations have a shared history and continue to work together in many ways, which are also highlighted in the fact sheet.

SCNZ Manager, Darren O'Riley, comments: "We are proud to share our roots with HERA and to enjoy a close, mutually beneficial working relationship. However, we are two distinct organisations and this fact sheet is a guide for everyone who works with both SCNZ and HERA to distinguish how they can best engage with each organisation."



New SCNZ and HERA fact sheet

The fact sheet is available [here](#). We will be distributing all SCNZ literature at our various seminars and engineer visits.

CREATE A PROFESSIONAL FIRST IMPRESSION WITH SCNZ

SCNZ has developed a great range of brochures which support our members' business interests by presenting a compelling case for building in steel and educating about the benefits of the SFC scheme.

We strongly encourage you to display copies of our publications in your reception area and distribute them to your own customers

By displaying these informative and relevant pieces of literature in your reception area, you will not only create a professional look for your business but also convey important messages to your visitors.

Below are some ideas on how you might present and display SCNZ publications to encourage visitors to pick up copies. Both brochure racks are available at Office Max (links below). Ideally you should have spaces for approx. 6-8 SCNZ brochures as we will continue to develop and expand our bank of promotional literature.

- Clear only, 4 tier (top) – [click here](#);
- Clear with silver surround, 3 tier (bottom) – [click here](#)

For all the brochures available, please see [SCNZ Literature](#).

Once you have your brochure racks organised, please let Rebecca Symonds, SCNZ Marketing Administrator, know what brochures you would like and she will send them out to you (email: rebecca.symonds@scnz.org or phone: 09 262 6682)



HERA LEADERSHIP PROGRAM DESIGNED TO PREPARE YOU FOR YOUR FUTURE

HERA has announced details of a new course focused on innovation and based on lean start up principles.

Innovation Ready, Set, Go! is an ideal vehicle to inspire entrepreneurship within your company so you can stop wasting time, get products to market faster and maximise success.

- Do you have great ideas but don't know how to get them to market or have a bureaucratic innovation process slowing things down?
- Are you spending lots of time on ideas that are going nowhere?
- Do you want more innovation, but don't know where to start?
- Has your innovation process gone stale and in need of a refresh?
- Do you need to change direction in your production development?
- Are you being disrupted by competitor products?
- Do you want to learn more quickly about what works and discard what doesn't?

If you answer 'yes' to any of these questions, then this course is for you.

Attendees will receive exclusive access to world renowned speakers in areas of design thinking, innovation mindset, culture for innovation, innovation metrics, strategy, best practice innovation capabilities and more!

Prepare a next generation of innovation managers for your company or become one yourself by connection with high quality presenters who are the perfect tool to help take your ideas to the next level and convert them into reality.

The five-day Innovation READY course is spread over 5 months in 2018 (1 day per month from June - October). Following the completion of Innovation READY, attendees then do Innovation SET and GO modules the following year. This looks to put theory learned into action through strategic plans and support to commercialise an identified product using lean start up methodology.

Dr Boaz Habib, HERA General Manager – Industry Development, comments, “We are proud to have secured expert international speakers who have worked with our industry previously, so are ideally placed to provide participants with key skills to develop and imbed a best-practice innovation culture and process within their companies.”

Book now for a \$200 early bird discount. This course is heavily discounted for HERA members and companies with less than 50 employees will receive a further 50% reduction thanks to NZTE funding.

For more information and to register, please click [here](#).

ANNUAL FIELD TRIP GIVES STUDENTS VALUABLE INSIGHT INTO STEEL CONSTRUCTION

Final year Auckland University engineering students were recently given the chance to learn more about steel construction during an annual field trip organised by SCNZ.

For this year's event, the students were taken to visit a University of Auckland Faculty of Engineering Building 405 project and were then shown around the Grayson Engineering steel fabrication facility.



The flyer for the 'Innovation Ready, Set, Go!' course features a photograph of a woman smiling while working on a project. The text on the flyer includes the course title, a description of the program as a leadership course for innovation, a list of questions to determine if the course is suitable, a list of dates for 2018 (June to October), and information about the course being exclusive to HERA members. It also provides the start date (Thursday 29 June 2018), location (HERA House, Manukau Auckland), and a registration link (www.hera.org.nz/course).



2018 CALENDAR OF KEY DATES

JUNE

- 1st** SCNZ Fabricator Benchmarking Survey Deadline
21st Northern Regional Fabricator Forum
HERA House, Manukau
28th Central Regional Fabricator Forum
Hotel Coachman, Palmerston North

JULY

- 1st** Closing date for Excellence in Steel preliminary entries
5th Southern Regional Fabricator Forum
John Jones Steel, Christchurch
6th Closing date for Apprentice of the Year Award entries
17th Builders Breakfast & Steel Structures Seminars, Tauranga
Trinity Wharf
18th Builders Breakfast & Steel Structures Seminars, Hamilton
Novotel
25th Builders Breakfast & Steel Structures Seminars, Napier
The Crown Hotel
26th Steel Structures Seminars, Auckland
Crowne Plaza
27th Builders Breakfast, Auckland
Crowne Plaza
31st Finalists of Excellence in Steel Awards notified and invited to provide further information for the next stage of judging

AUGUST

- 6th (w/c)** Finalists of Apprentice of the Year Award notified and face-to-face interviews / practical skills exercise arranged
15th Builders Breakfast & Steel Structures Seminars, Dunedin
Distinction Hotel
16th Builders Breakfast & Steel Structures Seminars, Christchurch
Chateau on the Park
22nd Builders Breakfast & Steel Structures Seminars, Palmerston North
Hotel Coachman
23rd Builders Breakfast & Steel Structures Seminars, Wellington
Cophthorne Hotel Oriental Bay
Aug Apprentice of the Year face-to-face interviews and practical testing conducted

SEPTEMBER

- 28th** Steel Agenda AGM and Conference
Millennium Hotel, Rotorua
SCNZ Awards Gala Dinner, Apprentice of the Year and Excellence in Steel Award winners announced
Blue Baths, Rotorua