

STEEL FUTURES



Latest Industry & SCNZ News

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STEEL AGENDA FAST APPROACHING

With under a month to go until SCNZ's Steel Agenda (AGM & Conference), now is the time to book your place using our new online registration system.



Steel Agenda will take place on Friday 16 September, combining informative and inspirational speakers with social activities in the beautiful Art Deco capital of Napier.

The social programme kicks off on the evening of Thursday 15 September, when early arrivals are welcome to join the Council for casual drinks in Napier.

On Friday morning, delegates have the opportunity to visit the local Weldwell Factory to get a unique insight into the work of New Zealand's only manufacturer of Arc Welding Electrode.

After lunch, the first part of the afternoon conference session offers a Fabricator Forum (which all non-fabricator members are free to attend). Hawkins Construction will explore what main contractors look for in a steel fabricator and how we can make ourselves more attractive than overseas fabricated steel. This will be followed by a Client Panel Discussion, at which two main contractors (Hawkins & Gemco) and two engineers (Holmes Consulting and Strata Group) will answer questions submitted by attendees through the SCNZ App prior to the event. The Forum will conclude with the SCNZ Annual General Meeting.

The second part of the afternoon session will consist of a General Member Forum featuring a host of diverse speakers:

- **Rob Penney, Southern QA** – observations from managing quality of fabricated structural steelwork in low cost countries
- **Bob Hawley, Red Steel and Geoff Sharp, Holmes Consulting** – Steel Building Case Study (Delegate Winery, Hawke's Bay)
- **Sam Hazeldine, Ernst & Young** (Young Entrepreneur of the Year) – "Anything's Possible"
- **Mayor of Hastings, Lawrence Yule** - Mayor of Hastings since 2001, Lawrence is Hastings's youngest ever Mayor and was recently made a Fellow of IPENZ.

The Forum will finish with an Steel Fabricator Certification (SFC) presentation and networking drinks.

The day will conclude with a gala dinner in the evening and the presentation of the inaugural Apprentice of the Year Award. Jamie Fitzgerald (world-class adventurer and leadership development consultant) will deliver an inspirational after-dinner speech.

The social side will stretch into the weekend as delegates have the opportunity to take part in a winery tour on Saturday morning.

The final programme and online registration are now available on our [website](#) for this fantastic event which is open to all our members.

The most up to date information is also available on the SCNZ Mobile App. Please search for SCNZ in your App Store, download and install the App. Then either register a profile or login with your previous profile to access the latest details for this and all SCNZ events.



We look forward to welcoming you to Napier in September.
Alistair Fussell, SCNZ Manager

SCNZ STAFFING CHANGES

There are changes afoot at SCNZ as Manager, Alistair Fussell, prepares to leave the organisation after 11 years.



Alistair Fussell, SCNZ Manager

Alistair joined SCNZ as Senior Engineer in 2005 and has been Manager since the end of 2010 (having been Acting Manager for a year prior to that).

Alistair comments: “I have really enjoyed my time with SCNZ, particularly the great industry people I have met. I am leaving to have a more technical focus to my work and also to get back into the structural engineering of “real” building projects.

“I am grateful for the support I have had from the SCNZ Council and particularly some outstanding Chairmen – initially Chris Kay and Mike Sullivan – and latterly Bob Hawley.”

SCNZ Chairman, Bob Hawley, has acknowledged the contribution that Alistair has made to the success of SCNZ and the structural steel industry in New Zealand: “Both SCNZ and the industry have gone through massive changes in the last 11 years, but Alistair’s vision and quiet determination to shape an organisation which not only supports but works in synergy with industry has resulted in the strong and successful organisation that we have today.

“One of his most significant legacies is the Steel Fabricator Certification (SFC) scheme, which has raised the bar by providing independent, expert certification of New Zealand fabrication companies.”

Alistair will be continuing his association with SCNZ on a contract basis (four days a week for six months), giving him the opportunity to provide contract engineering services to Consulting Engineers.

In addition, Senior Structural Engineer (Industry), Chris Burns, is returning to the UK with Communications Officer, Ingrid Burns, after nearly two years in New Zealand.

Chris comments: "We have both enjoyed our time with SCNZ and are very grateful to Alistair Fussell and the SCNZ Council for supporting us to make such a massive move.

"I have particularly enjoyed working for and with the steel fabricators, helping to strengthen the relationship between industry and SCNZ; and was proud to deliver the Queenstown event earlier this year, which proved both hugely entertaining and informative."

Chris and Ingrid will be leaving SCNZ in early November.



Chris Burns, SCNZ Senior Structural Engineer (Industry)

COULD YOU BE SCNZ'S NEW MANAGER?

We are fascinated by the world of supply chain and operations. If you too have the same passion for these diverse and critically important industries and the opportunities within them, then go ahead and register, review or apply with our tribe. If you're a supply chain or ops gun for hire or want the right people to know that you could be, we invite you to come and share your story.

SUPPLY CHAIN & OPERATIONS

TRIBE

Manager - leadership role with national responsibility



Rare leadership opportunity for a representative industry body in the booming Construction Sector. Drive commercial, operational and promotional/advocacy activities.

The Company

Steel Construction New Zealand (SCNZ) is the voice of New Zealand's diverse steel construction industry. They promote the benefits of steel solutions in building and infrastructure projects; and play a pivotal role in supporting the industry as it strives to grow through innovation, investment in technology and market development.

SCNZ currently have over 300 members nationwide. Their membership represents the whole supply chain, from manufacturers of structural steel and steel products, to distributors, fabricators, designers, detailers, galvanisers, and paint and building supply companies.

With a strong focus on fostering business and technical excellence, SCNZ provide the industry with advice in the latest in steel design trends and standards, networking opportunities, and represent view to key industry and government decision-makers.

The Role

You will take overall responsibility for the management of SCNZ, with your key role being to drive market development activity to grow the use of structural steel in construction. Reporting into the Executive Council, you will undertake a wide scope of responsibilities across planning, commercial activities, marketing, financial management and managing key industry, member and Government relationships. Specific responsibilities include:

- Develop and execute medium and long-term business plans
- Leading and developing a small team across engineering, marketing and administration
- Advocate and promote industry capabilities to existing and new clients to drive business opportunities for SCNZ members
- Develop and maintain relationships with Government, developers and construction companies
- General management of membership services, career/training services and recruitment
- Overall responsibility for the SCNZ budget and financial management
- Drive a culture focused on providing optimal levels of support and service to the SCNZ membership
- Event management and overall responsibility for the marketing strategy
- Attending SCNZ Executive Council meetings and providing reports to the Executive Council and SCNZ membership This

The Person

This is a role where you can truly make a difference, and take responsibility across all aspects of the organisation, from determining strategy through to delivery. You are an inspiring leader who possesses the drive, energy and self-motivation to lead the activities of SCNZ and implement initiatives that promote the use of structural steel in construction and grow business opportunities for the SCNZ membership. Your demonstrable understanding of the building and construction sector, combined with proven success in commercial and operational leadership, will ensure your success in leading the organisation and driving continued growth and success.

Apply online or for more information contact Wayne Fry on 09 557 1384.

WHO. WHAT. WHERE. FOUND HERE

For more Tribe jobs go to www.tribegroup.com

SCNZ structural engineers and HERA staff are involved in a number of Standards Australia technical committees, responsible for either revising or developing new joint AS/NZS Standards. These include BD 001 Steel Structures; BD 0023 Structural Steels; BD 0032 Composite Construction and ME-029 Fasteners.

Several of these projects have reached important milestones and are now either available for public comment or have been recently published.

Draft Standards Available for Public Comment

New Composite Buildings Standard AS/NZS 2327

This comprehensive standard covers all aspects of composite design, including:

- Composite slabs;
- Composite beams including web penetrations;
- Composite columns;
- Design for fire;
- Design for earthquake.

There has been significant input from New Zealand on AS/NZS 2327 with Dr Stephen Hicks of HERA chairing the working group for composite slabs, as well as contributing to the provisions on composite beams, composite columns and system design for serviceability.

Kevin Cowie of SCNZ has been responsible for drafting the provisions for seismic design. Associate Professor Charles Clifton of the University of Auckland and Dr Tony Abu of the University of Canterbury have drafted the design rules for fire resistance, which include the Slab Panel Method – a world first in international design standards on fire resistance.

The draft standard is expected to be out for public comment in early August and as there is so much new material included in the standard, it is important that NZ designers carefully review the draft and provide comments.

For further information, please visit the [Standards New Zealand website](#) or contact Kevin Cowie, Senior Structural Engineer - Technical Development (email: kevin.cowie@scnz.org or phone: 09 262 6685).

ME-029 Fasteners: AS/NZS 1252 High-Strength Steel Bolt Assemblies Comprising Bolts, Nuts and Washers for Structural Engineering

The drafts DR AS/NZS 1252.1 and DR AS/NZS 1252.2 closed for public comment in May and a large number of comments, including comments from New Zealand, have been considered by the Committee.

The objective of AS/NZS 1252.1 is to provide manufacturers of high-strength steel bolt assemblies with requirements and tests to ensure that such assemblies are suitable for bolted connections in steelwork construction, consistent with the steel design standards AS 4100 and NZS 3404.

The objective of AS/NZS 1252.2 is to give provisions around verification testing of high-strength steel bolt assemblies for structural engineering for suppliers, specifiers (e.g. designers, procurement agencies and purchasers) and third-party certification bodies, to provide confidence in the product's

conformity with the requirements of AS/NZS 1252.1.

Based on the comments received, Property Class 10.9 HR bolts to EN 14399 has been included.

As this is a technical addition (scope change), the Standard will be put out to public comment again for a shortened period in August.

For further information, please visit the [Standards New Zealand website](#) or contact Kevin Cowie, Senior Structural Engineer - Technical Development (email: kevin.cowie@scnz.org or phone: 9 262 6685).

ME-029 Fasteners Committee

SCNZ is on the ME-029 Fasteners Committee and a large number of fasteners standards have been updated or reconfirmed. Please click [here](#) for the full list.

BD 090 Bridge Design: DR AS/NZS 5100.6:2016 Steel and Composite Construction

Five years in the making: the draft of the first joint New Zealand and Australian design standard for steel and composite bridges AS/NZS 5100.6 is now available for public comment.

Commenced in 2011 under the chairmanship of HERA General Manager, Dr Stephen Hicks, DR AS/NZS 5100.6 provides greater alignment with international best practice and, in some cases, affords significant improvements.

The objectives of the AS 5100 (AS/NZS 5100) series are to provide nationally acceptable requirements for:

- (a) the design of road, rail, pedestrian and cycleway bridges;
- (b) the specific application of concrete, steel, composite construction and timber construction methods, which embody principles that may be applied to other materials in association with relevant Standards;
- (c) the assessment of the load capacity of existing bridge; and
- (d) the strengthening and rehabilitation of existing bridges.

The objective of this Part (AS/NZS 5100.6) is to provide design rules for steel and steel concrete composite bridges, or member within bridges.

This draft standard is currently out for public comment and copies can be downloaded from the [Standards New Zealand website](#). Please note that the closing date for comments is 7 September and that comments on draft joint standards must be submitted to Standards Australia using this [link](#).

BD 001 Steel Structures: AS/NZS 5131 Structural Steelwork – Fabrication and Erection

This draft standard, developed by a joint Australian and New Zealand technical committee, sets out the minimum requirements for the construction of structural steelwork involving:

- Fabrication including bolting and welding;
- Preparation of steel structures for corrosion protection;

- Corrosion protection comprising painting and galvanising;
- Erection and modification of steelwork;
- Enhanced product conformity requirements including quality assurance measures; (personnel and procedures); and inspection and test plans.

It applies to complete structures, individual members and components, and manufactured components pre-fabricated for inclusion in steel structures. AS/NZS harmonises existing sections of other standards to provide a dedicated document on fabrication and erection requirements.

The draft standard also introduces the fundamental concept of a 'construction category'. This is risk-based, fit for purpose categorisation of a structure or parts. This document provides the standards framework for the Steel Fabricator Certification scheme launched by HERA/SCNZ in 2014.

The draft standard closed for public comment in May and numerous comments were received, including many from New Zealand, which are currently being considered by the Committee.

It is hoped this will be published before the end of 2016. Once this occurs, a process of stakeholder consultation will be undertaken with a view to having this document cited in the Building Code as a verification method for fabrication and erection of steel structures designed using NZS 3404, AS/NZS 2327 (Composite Building Standard) and AS/NZS 5100.6 (Composite Bridge Standard).

Newly Published Standards

BD 023 Structural Steel: Material Supply Standards

The suite of AS/NZS structural steel manufacturing standards was published in April 2016. This suite consists of the following standards:

- AS/NZS 1163-2016 Cold-formed Structural Steel Hollow Sections;
- AS/NZS 3678-2016 Structural Steel – Hot-rolled Plates, Floorplates and Slabs;
- AS/NZS 3679.1-2016 Structural Steel – Part 1: Hot-rolled Bars and Sections;
- AS/NZS 3679.2-2016 Structural Steel – Part 2: Welded I Sections;
- SA TS 102-2016 Structural Steel – Limits on Elements Added.

To ensure an orderly adoption of these new standards, particularly for steel mills and importers who hold stock, SCNZ will engage with the structural steel supply chain and MBIE to proactively manage this process.

NOTIFICATION OF PROPOSED CHANGE TO SCNZ CONSTITUTION

One of the items of business at next month's SCNZ Annual General Meeting (AGM) is a proposal to change the SCNZ Constitution. If passed this resolution will significantly change the Steel Constructor membership qualification.

The proposed motion is as follows:

Resolution – Steel Constructor Qualification (Rule 5.1(a))

“That the SCNZ Constitution member qualifications for a Steel Constructor be amended to include a mandatory requirement for Steel Fabricator Certification to at least Construction Category 2 level. Existing Steel Constructor members will be required to meet this certification requirement within a period of four years from the passing of this resolution to maintain their SCNZ membership.”



The rationale for this change is to encourage greater uptake of the SFC scheme by local Steel Constructors. At present there are 20 certified fabricators out of an SCNZ membership of over 90 Steel Constructors.

The local fabrication sector is facing increased competition from low cost countries. SFC certification is increasingly recognised as a mark of quality in the local structural steel market that will provide a point of difference for local Steel Constructors from international competitors.

The minimum certification level has been set at Construction Category 2. This requires Steel Constructors to demonstrate in an auditable manner their capability to produce work to the requirements of the Steel Structures Standard NZS 3404.1 and the Welding Standard AS/NZS 1554.1.

A four-year sunset clause has been proposed for existing Steel Constructor members to allow sufficient time for the certification of potentially up to 70 companies.

Under SCNZ Rules (Rule 44), for this resolution to be passed, a two thirds majority vote of Full Members attending in person or by proxy is required. The quorum for the meeting shall not be less than one third of the Full Members (Supplier, Distributor, Steel Constructor).

Members are encouraged to have their say on this matter by attending the AGM in person or by proxy to vote. Letters have been sent out to members advising them of the AGM and the proposal to change the SCNZ constitution.

This letter also includes a proxy form, which needs to be returned to SCNZ (email: info@scnz.org or fax: 09 263 5638) by close of business on the 14 September.

SCNZ CALLS ON FABRICATORS TO HELP BOOST MARKET CONFIDENCE

Following the success of SCNZ’s first Structural Steel Industry Snapshot in April, we are asking our fabricator members to support this initiative again by completing an online survey.



With the construction sector experiencing the biggest building boom in 40 years, we have a real challenge on our hands to convince clients that our industry has the capacity to satisfy demand. If we fail to do so, we risk driving clients to source alternative supplies offshore.

The first Structural Steel Industry Snapshot revealed significant spare industry capacity for the final two quarters of 2016, offering reassurance to key industry players that our fabricators are well-placed to meet demand.

It is vital that this half-yearly report contains solid data in order for it to fulfil its role as a key component of SCNZ's drive to convince the market that our industry has the capacity to satisfy demand.

Chris Burns, Senior Structural Engineer (Industry) comments: "We recently sent out an online survey to all our fabricator members, asking what % capacity they have programmed in their workshop for the upcoming four quarters and what their approximate tonnage turnover has been for the last 12 months.

"The survey is even quicker and easier to fill in than last time and the information will be used to great effect, providing an informed snapshot of the New Zealand structural steel industry and enabling our stakeholders to make informed decisions.

"We have also used the SCNZ App to share a useful tool with our members that our Chairman, Bob Hawley, discussed at the recent Regional Fabricator Forums, which enables fabricators to easily calculate their % of committed capacity."

Confidentiality will be respected for any commercially sensitive information supplied to SCNZ. **Please complete the survey ASAP (check your junk folder if you have not received it) and return it by Friday 19 August.**

For further information, please contact Chris Burns, Senior Structural Engineer – Industry (email: chris.burns@scnz.org or phone: 09 262 6684).

2016/2017 SCNZ COUNCIL ELECTIONS

Nominations for the vacant Steel Producer (two positions), Associate and Steel Constructor (Central Region) SCNZ Executive Council positions closed on 3 August.

Congratulations to Bob Hawley (Steel Constructor), Craig Taylor (Steel Producer) and Nigel Bradley (Steel Producer) who have been duly elected without the need for a ballot as the number of nominations equalled the number of positions.

A ballot is now required to elect the Associate representative as two nominations were put forward for the position.

Ballot papers have been sent to members. **Eligible members (Associate and Full Members) are encouraged to vote before the closing date of Friday 2 September.**

The 2016/17 Council elect will nominate a Chairperson and Vice Chairperson to be ratified at the 2016 Steel AGM to be held in Napier on Friday 16 September.



Bob Hawley
(Steel Constructor)



Craig Taylor
(Steel Producer)



Nigel Bradley
(Steel Producer)

2016 NZ BRIDGES SUMMIT

The only conference for New Zealand bridge engineers is back again with full endorsement from the New Zealand Transport Agency.



New Zealand's premier bridge conference with key trends on urban design, asset management, smart bridges, corrosion and the latest updates on the Bridge Manual will take place from 1-2 November at the Pullman Hotel in Auckland.

The event will also bring together the greatest minds in the bridge community with three international speakers from Japan, Australia and the UK.

Also don't miss the three post-conference practical workshops on lifecycle and asset management of bridge structures, processes of managing risk/maintenance of bridge structures, and displacement-based seismic design methods.

For the full agenda and registration, please click [here](#).

PLEASE NOTE that all SCNZ members are eligible for a 10% discount. Just use enter the code MWD1KA when booking.

CONTINUED SUCCESS OF REGIONAL FABRICATOR FORUMS

Many thanks to everyone who attended the latest series of SCNZ Regional Fabricator Forums, which were held in Manukau (Hera House), Palmerston North and Christchurch during June and July.



Alistair Fussell, SCNZ Manager, provided a practical update on the activities of various Standards Australia technical committees responsible for either revising or developing new joint AS/NZS Standards, which have achieved important milestones recently.

Bob Hawley, SCNZ Chairman and Managing Director of Red Steel, gave fabricators an overview of helpful software and tools in his presentation entitled 'Tricks and Tools of the Trade'.

Each Forum included a 25 minute open floor session which allowed delegates to raise topics and resulted in some insightful and interesting discussions on overseas fabricated steel, plug amperage on residential building sites, Health and Safety, compliance, hole cutting, shop drawings, bolts, ISO 3834 and the Steel Fabrication Certification (SFC) scheme, and software training.

Established following consultation with members, the Regional Fabricator Forums - covering the Northern, Central and Southern regions of the country - were established to support the commercial needs and interests of SCNZ members specific to their region, and raise the general awareness and understanding of sound business practices.

Minutes from the Forums have been uploaded to the new SCNZ App (which is available to download for free from the App store on your mobile device). The next Fabricator Forum will take place as part of Steel Agenda (AGM & Conference) in September.

For further information, please contact Chris Burns, Senior Structural Engineer – Industry (email: chris.burns@scnz.org or phone: 09 262 6684).

FREE ONLINE RESOURCES NOW AVAILABLE TO ALL MEMBERS

SCNZ has made some more useful online resources - Steel in Housing and the Online Estimating Guide - freely available to all members via the new website www.scnz.org.

The SCNZ Online Estimating Guide helps the user gain access to secure web pages offering information and rates relating to work process and handling, supply, connections, coatings, fire protection, transportation, erection, drawings and decking. These are based on a cost per item or cost per unit. These costs have been developed over a long period of time and are extensive. They are similar in format to those presented in QV Costbuilder (formerly Rawlinsons Construction Handbook) and are designed to offer intrinsic cost data for aspects of projects, and not necessarily for constructing costs for an entire project. For this reason, this is not considered a full steel building pricing tool, but is suggested to be used to check individual and small items.

Steel in Housing is an online design aid which assists builders, draftspersons, engineers and architects in specifying a range of pre-engineering structural steel beam and moment frame wall bracing element solutions for residential building applications. These solutions are intended to be compatible with the timber framed standard NZS 3604 terminology, definitions, loading and design criteria.

To access both of these resources, just sign into the [SCNZ website](#) using your member log-in and visit the Design Tools (Steel in Housing) and Resources (Online Estimating Guide) areas respectively.

If you have any questions or problems logging in, please contact Rebecca Symonds, Marketing Administrator (email: rebecca.symonds@scnz.org or phone: 09 262 6682).

TAKE ADVANTAGE OF HERA TRAINING FOR WELDING SUPERVISORS AND INSPECTORS

If you are welding and fabricating to welding standards such as AS/NZS 1554; or running / developing a welding quality management system to ISO 3834 or the SFC, then this course is for you.

The key benefits of the Welding Supervisor/Inspection course are:

- Gain the AS 2214 qualification;
- Play a key role in a fabricator's quality system;
- Improve profitability by optimising welding techniques, processes and equipment;
- Perform in-house welding and fabrication inspection;
- Manage welder qualification; issue and prolong welder qualification test certificates;
- Liaise with designers, project managers, and customers;
- Develop and qualify welding procedures.

The first part of the course is being run on Auckland from 22-26 August and in Christchurch from 5-9 September. For more information, please click [here](#).

11TH PACIFIC STRUCTURAL STEEL CONFERENCE

The 2016 Pacific Structural Steel Conference (PSSC) will be held from the 29-31 October in Shanghai.



Organised by the China Steel Construction Society, the PSSC is a major initiative which brings together expertise in structural steel research, education and construction from all around the Pacific Rim and beyond.

Aiming for innovation, development and greater cooperation in the steel construction industry, this conference is committed to providing an effective face-to-face opportunity for the industrial

members.

Ranging from large-span space structure, steel-concrete composite structure, seismic behaviour to residential steel buildings, this conference covers every aspect of the industry.

For more details on how to register (including an early bird offer) or to submit a paper, please visit the [PSSC website](#).

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