

**Steel Structures Seminar Series:
Connections, Codes & Coatings
REGISTRATION FORM**

Please complete this form and forward with payment to:
fax: 09 263 5638, post: SCNZ, PO Box 76403,
Manukau City, 2241 or email: info@scnz.org.

Location:

- Christchurch** - 12 October **Wellington** - 13 October
 Auckland - 14 October **Nelson** - 28 October
 Taupo - 2 November **North Shore** - 3 November

Attendee Names:

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Company:

Address:

.....

Phone No: Fax No:.....

Email: (Contact person)

SESOC/HERA Member No: _____

SCNZ Member No: _____

Become an SCNZ Member – SCNZ Company membership fee to 30 Sep 2011. All attendees from companies applying for membership to SCNZ with this registration qualify for SCNZ member discount.

SCNZ Membership \$112.50 (incl GST)

FEES:

Fees include GST, food, refreshments and notes.

	# attending	Total Fees
<input type="radio"/> SCNZ Members	\$350.00	\$
<input type="radio"/> SESOC/HERA Member	\$385.00	\$
<input type="radio"/> Non-members	\$420.00	\$

Plus SCNZ Membership (if applicable) \$

TOTAL: \$

PAYMENT DETAILS

Please invoice (SCNZ members only)

Cheque enclosed (Please make cheques payable to SCNZ)

Please debit: Visa MasterCard

Card number

Name on card.....

Expiry date on card: /

SEMINAR SPEAKERS

Kevin Cowie BE(Civil) BCom CWE MIPENZ CPEng
SCNZ Structural Engineer

Alistair Fussell ME BE(Hons) MIPENZ CPEng
SCNZ Senior Structural Engineer

Raed El Sarraf BE(Civil) MEngSt ME(Civil)(Hons) GIPENZ
HERA Structural Engineer

Arun Syam BE(Hons) ME MIE(Aust) CPEng
Tubular Development Manager,
OneSteel Market Mills/ATM

VENUE LOCATIONS

Christchurch - 12 Oct **Wellington - 13 Oct**
Crowne Plaza Hotel Copthorne Oriental Bay
Cnr Kilmore & Durham St 100 Oriental Parade

Auckland - 14 Oct **Nelson - 28 Oct**
Novotel Ellerslie Fairfield House
72-112 Greenlane Road East Trafalgar Street South

Taupo - 2 Nov **North Shore - 3 Nov**
Millennium Hotel Aristotles Motel
243 Lake Terrace Cnr Link Drive & Sunnynook Rd

Cancellations

Persons enrolled wishing to cancel must do so in writing 7 days prior to the seminar to obtain a refund. After this date no refunds will be made.

SCNZ reserves the right to cancel seminars because of insufficient registrations or other reasons beyond its control, in which case fees paid will be refunded in full.



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Steel Structures Seminars Spring 2010



**Connections,
Codes &
Coatings**

*A seminar for
Structural Engineers*

Dates:

- 12th October – Christchurch
- 13th October – Wellington
- 14th October – Auckland
- 28th October – Nelson
- 2nd November – Taupo
- 3rd November – North Shore

Braced Frame Connections

The importance of connections to the adequate performance of braced frames is highlighted by the following quote taken from HERA report R4-76 (Seismic Design Procedures for Steel Structures):

“In any structure, connections must be designed with special care because they are regions of high local stresses and, unless specially designed otherwise, they often have less capacity than the connected members.”

In this session the design of light bracing cleat connections typically used in industrial and other low rise buildings will be covered as well as heavy brace connections used in multi-story braced frames. A worked example will be presented illustrating the application of the design principles discussed.



STEELMEP: Software for the Design of Columns for Moment-Resisting Connections

SCNZ have recently developed STEELMEP software for designing columns for moment-resisting connections. The design principles and features of the software will be explained and applied. The session will conclude with a demonstration of STEELMEP.

Structural engineers will welcome the development of this time saving tool that will greatly enhance design office productivity. A complimentary copy of STEELMEP will be given to all seminar attendees.

Durability of Galvanized Coil Products in External Applications

Galvanized coil products such as metal deck slabs and purlins are often used in external applications such as car parking and exposed canopy structures.

Drawing on the guidance given in HERA Report R4-133 (the Coatings Guide), AS/NZS2312 (the Coatings Standard) and NZS3404.1 (the Steel Standard), HERA Structural Engineer Raed El Sarraf will discuss methods for assessing the durability performance of galvanized coil products in external applications. The presentation will also include guidance on the use of coatings systems to extend the expected time to first maintenance. A number of worked examples illustrating the use of the design methodology will conclude the presentation.

Standards Update – Material Supply

The suite of joint Australian/New Zealand material supply standards are currently being revised. Arun Syam, a member of the BD 23 committee responsible for the 2009 revision to AS/NZS 1163 (Cold formed hollow sections for structural purposes), and the 2010 revision to AS/NZS 3679.1 (Hot-rolled bars and sections) will discuss the major changes to these documents which includes improved product identification, certification and traceability.



The Benefits of using the Local Supply Chain

In the final session, the technical and quality assurance benefits of procuring structural steelwork using local steel constructors and grades of steel recognised by the New Zealand Steel Structures Standard will be discussed.

SEMINAR PROGRAMME

8.30am	Registration
9.00	Session 1 Braced Frame Connections
10.30	Morning tea
10.45	Session 2 STEELMEP: Software for the Design of Columns for Moment Resisting Connections
12.15pm	Lunch
1.15	Session 3 Standards Update - Material Supply
2.45	Afternoon tea
3.00	Session 4 Durability of Galvanized Coil Products in External Applications
4.00	Session 5 The Benefits of Using the Local Supply Chain
4.30	Networking

*Lecture and tutorial format will be used to give opportunity for attendees to apply knowledge to worked examples.
Note: Please bring a calculator along with you on the day.*

Thank you to our Sponsors

