



# Steel Futures

**Bolt-Sure Courses**  
**January & February 2007**  
Nationwide

**Pacific Structural Steel  
Conference 2007**  
**March 13-16**

'Steel Structures in Natural  
Hazards'

For registration enquiries, contact  
PSSC Secretariat (09) 262 2885  
Email: [admin@pssc2007.com](mailto:admin@pssc2007.com)  
Web: [www.pssc2007.com](http://www.pssc2007.com)

There is a downloadable  
registration form for people  
wishing to attend part or all of the  
conference.

Of all the conferences that  
you'd like to attend in 2007,  
this is the one you won't  
want to miss. Having access  
to the people who bring this  
body of knowledge together  
will be invaluable. More than  
150 technical papers will be  
presented. But you can  
count on a fun-filled social  
programme to provide the  
right balance.

**Early bird registration  
closes Dec 15.**



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Members' Newsletter December 2006 – Number 20

## SCNZ Magazine Reader Survey

Thanks to all who participated in the SCNZ Magazine Reader Survey; the results were very positive and encouraging. The current issue has 20 pages. Some readers suggested more attention could be given to the methods of construction. Subsequent issues will respond to this. The winning entrant in our Reader Survey is Lyall Green of Lyall Green Consultants Ltd, Hamilton. His prize of a \$100 travel voucher is on its way, just in time for Christmas.

## SCNZ Workchoice Day Early Bird Offer

Workchoice Day in 2007 has been scheduled for Tuesday, 15 May. The Workchoice Trust reports that in Auckland, some 3,000 students will be participating. For members who have yet to do so but would like more information, call the Trust Development Manager, Kathy McCombe, on 09 916 0200 or email [adminauck@workchoice.co.nz](mailto:adminauck@workchoice.co.nz)

Participating companies can host 40 students (20 per session) on the day. These will be students who have expressed a specific interest in the steel sector. The fee for this recruitment and publicity opportunity is \$1,200 + GST, but if you register with the Workchoice Trust before December 15, you qualify for a \$1,000 + GST hosting fee.

## Palmerston North Members hosted five schools

Pupils from Dannevirke High School, Queen Elizabeth College, Feilding High School, Palmerston North Boys High and Awatapu College were collected by four vans and driven to Silvester/Clark Ltd, Steel Pencil Ltd and Stevensons Structural Engineers Ltd where they were introduced to the work typically done by structural engineering consultants, by steel detailers and by steel fabricators and erectors. In addition, the pupils also visited the construction site at Summerhill.

Steel Pencil's Reegan Lawton says: "The three companies involved in this exercise have worked closely for many years and were able to provide three focal points in the structural steel story. We hope that having met us and got the feel for what it might be like to work with our people, the pupils who are seriously considering careers in steel will have a better idea of where they'd like to start."

## Pacific Structural Steel Conference 13 – 16 March 2007

Co-organised by the Heavy Engineering Research Association (HERA) and Steel Construction New Zealand Inc., (SCNZ), this conference is a major initiative to bring together expertise in structural steel research, education and construction from all around the Pacific Rim, and beyond. The theme is Structural Steel in Natural Hazards, and in all more than 150 papers will be presented covering such subjects as earthquake, wind and fire, wave impact, volcanic eruption, ice and snow.

Our keynote speakers are men of outstanding reputations in their fields. Dr Hitoshi Kuwamura, Professor of Architecture, University of Tokyo, will speak on '**Fracture of steel in earthquake resisting structures**'; Charles Roeder, Professor of Civil Engineering, University of Washington, Seattle, will speak on '**Composite action in concrete-filled tubes**'; and **design of concentrically braced frames** and David Nethercot, PhD, Head of Department of Civil and Environmental Engineering at Imperial College, London, examines the implications of '**Adopting the Structural Eurocodes**' for the Structural Engineers in Europe and **structural collapse prevention strategies**.

Friday with have a a program tailored to the needs of practicing structural engineers In addition to the technical sessions, the programme includes a Maori cultural performance and hongi on Wednesday, an afternoon of golf or a cruise on Lake



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**Early bird registration closes Dec 15.**

Taupo, followed by a barbeque and karaoke, on Thursday. A breakfast with a motivational speaker and the concluding conference dinner on Friday.

Registration options include the full three day option, a two day Thursday-Friday package and the Friday only. So make a date to be there.

## **Metals Industry Conference**

Friday 3 November 2006 was Steel Construction Day at the Metals Industry Conference organised by HERA and held at the Kingsgate Hotel, Hamilton. Six speakers addressed the following topics:

- Steel Construction Supervisor Licensing and Training
- Business Succession Planning
- Developing Your People for Leadership
- Global Steel Market Update
- Green Structural Steelwork.

Some 30 members attended, one bringing his wife all the way from Queenstown. There was keen interest in all of the topics, and the Q & A sessions kept the speakers busy. Mark Stephens on Onesteel provided the big picture with his global view of the steel market, a strong feature of which is regional consolidation. Where today the top 10 producers account for 28% of the world's steel production, by 2020 this will have moved up to 40%. China has yet to begin consolidating but with 15-20 million people moving annually from rural to urban living, the demand that this generates will make consolidation likely in the near future.



Paul Bayly taking his audience through the essentials of Business Succession Planning.

## **Steel Construction Supervisor Licensing**

The Steel Construction Supervisor licensing process is starting to gather pace. At the recent metals Industry Conference Ross Parry of the Department of Building and Housing outlined the current status and directions for this specialist supervision licence class. On 1<sup>st</sup> December Clark Hyland and Malcolm Hammond of MJH Engineering participated in the licensing overview meeting at DBH. The carpentry, site lead and design lead licences will be launched as voluntary licences from 1 November 2007. The Steel Construction Supervisor licence is expected to be launched during 2008. SCNZ representatives drawn from steel constructor members around New Zealand will be meeting with DBH on 13<sup>th</sup> February 2007 to commence formulating the licence.

## **Bolt-Sure Course**

Calling all structural steel erectors! SCNZ is planning a comprehensive refresher course on bolts and bolt tensioning. Before tensioning, bolts should be snug tightened and mating plates should be in full contact. Does it matter that snug tight for one erector could be different for an erector of bigger build? And what happens to the fatigue life of a bolt not properly tightened? What happens if the thread isn't properly lubricated? The answer to these and many other questions will be practically demonstrated. Watch this space so that you don't miss the Bolt-Sure sessions. They start late January, dates to be advised.