

## Members' Event & Meeting 22 May 2008

### Starting with... *The Motordrome Dare!*

All SCNZ members will want to accept the challenge and come racing at The Motordrome, Main South Road, Templeton, Christchurch, at 10.00am on Thursday, May 22. You will race 270cc Honda-powered Rimo karts - direct from the Michael Schumacher venue in Kerpen, Germany, by the way - on a 350 metre long banked oval track.

The 11hp karts will give you very quick acceleration out of the corners and the long straights mean you can reach a top speed of 65kph! (Standard karts elsewhere in New Zealand get up to 35kph tops!) This is even better than racing against the clock; this is racing to be first past the chequered flag, with eights karts per heat and a shootout final followed by a trackside lunch. The price is \$140 inc gst. Faxback the registration form to book your place.

You dare not miss this one because: ***It will be a gas!***

#### Timetable

11.00am	Meet at The Motordrome, Templeton
12.30pm	Trackside lunch, with racing ongoing
2.00pm	Register at the Holiday Inn On Avon, 356 Oxford Terrace, Christchurch (03) 379 1180
2.30pm	Tea/coffee
3.00pm	Start Members' Meeting: <ul style="list-style-type: none"><li>• Surviving the Global Credit Crunch</li><li>• Global Steel Market Update</li><li>• Sustainable Steel Construction Charter,</li><li>• SCNZ High School Student Mentoring Programme</li><li>• Conditions of Sub-Contract</li><li>• Steel Structures Licence</li><li>• SCNZ Planning</li></ul>
4.30pm	Tea/coffee
4.45pm	Members' Meeting (continues)
6.00pm	Pre dinner drinks
7.00pm	Buffet dinner



#### Qualification Update

- **National Certificate Construction (Supervision)**
- **Detailing (Construction Modelling) qualification**

• BCITO has programmed construction supervisor qualifications in this year's scoping. They are scoping development of a strand to meet the requirements of the specialist licence classes for steel and concrete that can be worked on as the competencies are finalised.

- BCITO suggest steel detailing and timber detailing have some core synergies and some scoping needs to be undertaken over the possibilities of having some core units or even a lower level qualification or having one qualification with several strands.
- SCNZ has met with Competenz regarding the detailing qualification. Competenz is looking over the material and appear interested in working with SCNZ.

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## Steel Futures

#### Upcoming Events

##### Mentoring Scheme Meeting

HERA House — 1 May

##### Member Event & Meeting

Christchurch - 22 May

##### Design, Marketing & Education Meetings

Auckland - 4 June

##### Council Meeting

Auckland - 12 June

##### Metals Industry Conference

Auckland Sky City- 29-31 Oct

#### Features

- Sustainable Steel Construction
- Changes to SCNZ Staff
- Steel Structures Licence Class Update
- Steel Structures Standard Revision
- Members Event and Meeting
- Qualifications Update

#### Steel Construction C-Me Mentoring

Sixteen high schools in the Auckland area have expressed interest in SCNZ's new mentoring initiative pioneered by John Kotoisuva. This initiative is aimed at ensuring that a steady supply of well groomed, well prepared people will progress through our education system to become the next generation of the industry.

The Ministry of Education (MOE) and the schools have accepted the challenge to be more flexible and respond to the training needs of the steel construction industry.

Competenz (ITO) has given its full support and is part of a working party with Manukau Institute of Technology, SCNZ, high school principals, MOE, Ministry of Social Development and Gateway coordinators. The aim is to launch this concept in pilot form in July 2008 and develop it into a two year programme running from February 2009.

Employers, looking at the big picture (as an industry), will see that the benefits are huge:

- Development of career bridges between the schools, polytechnics and the steel construction industry.
- Better representation of the entire steel construction industry in schools
- Grooming of future skilled workers from an early stage
- A career in steel construction becoming a basis for course selection by students as early as Year 10
- Pre-apprenticeship programme from Year 11 with formal polytechnic training and work experience with participating employers.
- Encouragement of school technology departments
- SCNZ mentor encouraging development in student character, discipline and academic achievements.
- SCNZ mentor assessing unit standards and providing back-up support for participating employers.
- SCNZ mentor coordinating all the stakeholders (including parents) and driving the project.

Employers have a important role to play :

- Provide opportunities for unpaid work experience during school term time
- Provide paid mid-semester break employment
- Be a role model who will encourage the student to take up a career in steel construction.

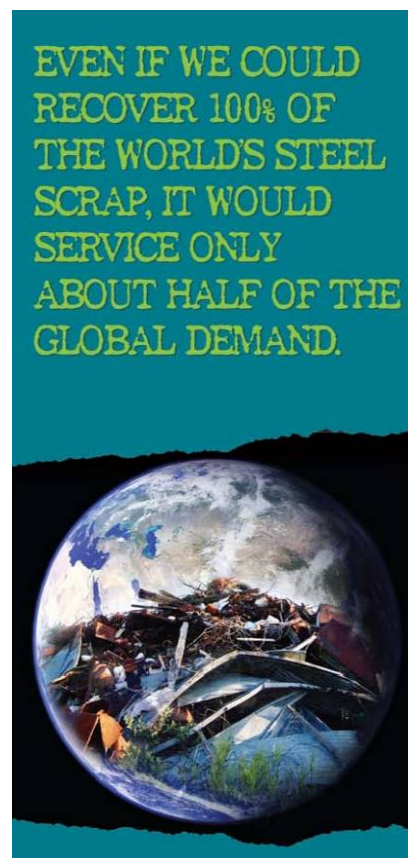
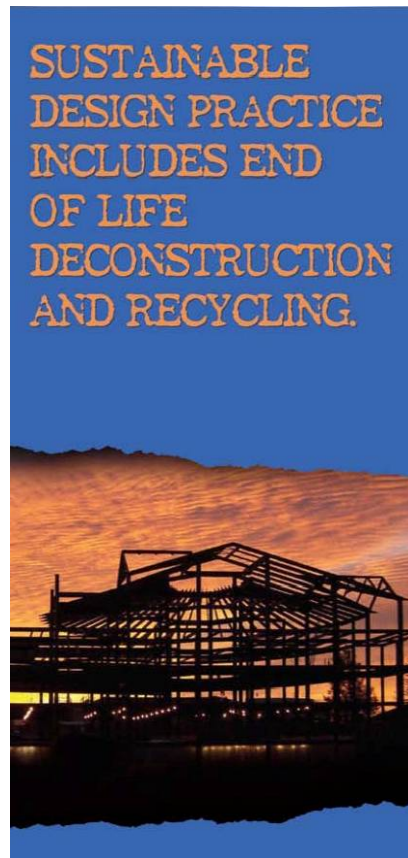
This is a long term vision that goes beyond the cyclical ups and downs of the economy. Now is the time to prepare for your business future and support the community to develop the next generation. There will therefore be a meeting for all Steel Fabricators in the Auckland region on 1<sup>st</sup> May at HERA House to discuss how we can make the scheme work. To book your place, fill in the form and fax it to (09) 2635638. For more information contact John Kotoisuva on ph 021 02941477.



## Key Points About Sustainable Steel Construction

If you didn't manage to attend the Sustainable Steel Construction Seminar, here are some of the points that Dr Michael Sansom made:

1. Sustainability in construction is a reality that the New Zealand steel sector must come to grips with. The U.K. experience, over the last twelve years is informative and useful to consider in developing a direction for New Zealand.
2. It's vital that New Zealand adopts a sustainability rating system that is based on a robust methodology for assessing all building materials on the basis of their Life Cycle Assessment profiles. In the U.K., these LCAs are recorded in the Green Guide to Specification and New Zealand should look to develop an equivalent.
3. The Green Star NZ rating system, which emanates from Australia and is still being developed currently lacks an effective methodology for assessing construction materials. It currently focuses on the recycled content of steel, disregarding the fact that if only recycled steel were used in construction, there simply would not be enough to meet the demand. The integrated iron and steel making route and the electric arc furnace (EAF) route are both essential to keep that demand supplied.
4. One of steel's greatest sustainability attributes is that not only can it be recycled numerous times but steelwork can also be disassembled and re-used. Buildings can be designed for end of life re-use. Now is a good time to develop a convention for marking steel products so that in 50 years' time their quality of manufacture and grade can be readily recognised.
5. Responsible sourcing is becoming increasingly important to ensure that construction products are sourced from suppliers applying sustainability principles in manufacturing.
6. The SCNZ Sustainable Steel Construction Charter provides a pathway towards sustainable construction.
7. The charter is based on the one run by the British Constructional Steelwork association. It identifies 12 areas of sustainability practice in which SCNZ members can develop achievement credentials. Audits are completed every 3 years. In between these audits charter members also undertake a desktop audit. Being benchmarked to the UK scheme, the SCNZ Charter becomes evidence of international best practice in sustainable steel construction.



*Dr Michael Sansom, senior manager of the British Steel Construction Institute's Sustainability Group.*



*A good turnout at Auckland's Crowne Plaza.*

### Steel Structures Licence Class Update

Clark Hyland, SCNZ Manager, Simon Keown, SCNZ National Training Officer, and SCNZ member Chris Chapman (Chapman Engineering, Christchurch), met with the Department of Building and Housing on Tuesday 8 April.

This meeting was instigated by the DBH, which has brought forward the scoping of the proposed steel structure licence class. DBH was very pleased with the progress SCNZ has made with the person profile, assessment questions and training material.

Outcomes of the meeting were:

- The competencies for the steel structure licence class have been determined.
- DBH contractors, Competency International Ltd, will send out consultation drafts.
- Once consultation has been completed, assessments will be developed and at least two or possibly three trials will be undertaken to check relevance, suitability and level.
- Once trials are complete, draft assessments and training material will be developed for final review.
- Once the review is completed, licence launch is anticipated to be early 2009.



### Farewell Simon

Simon Keown our National Training Officer will be leaving SCNZ early next month to take up a senior role with Masterdrive. We wish him all the best.

### Welcome Kevin and John



*Kevin Cowie*



*John Kotoisova*

A warm welcome to our new staff members Kevin Cowie and John Kotoisova. Kevin returns part-time as a structural engineer after a couple of years OE in England and Africa.

John is driving our new Steel Construction C-Me mentoring scheme and comes with vision for young people and huge experience from Skills4work as a tutor and assessor in heavy fabrication.

### Steel Structures Standard Revision - Construction Begins

The Steel Structures Standard (NZS3404) is to be re-configured. The standard will be broken into seven parts.

SCNZ is putting together a working group to prepare recommendations to the Standards Committee with a particular focus on the materials selection, fabrication, protection and erection part of the standard. This working group will include steel constructors (fabrication and erection), consulting engineers, construction engineers, builders and precast concrete industry representatives. One issue that has already been identified as important is the interface between steel and concrete elements.

The inclusion of builders and representatives from the precast concrete construction industry is seen as an important feature of the make up of the sub-committee to help address this issue.

The working group will review international steel construction practice and local experience with the current provisions which have been in use for a number of years. Feedback from all steel construction industry stakeholders is welcome. Please contact SCNZ Manager Clark Hyland if you have any comments to make in this regard.