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RED Book - Section C Seminar

Delegates at Conference 09 (Rotorua 8-10th October) will have the opportunity to attend a seminar on the RED Book's latest chapter which covers a low-rise two-storey industrial building.

The RED Book - Section C seminar, to be held on the afternoon of 9 October, will review a worked design example of a structure designed to the latest loading and concrete standards.

NZ Concrete Society Vice President Dene Cook says the seminar will enhance the value of the conference for people seeking seminar-type instruction and information.

"The previous chapters of the RED Book on multi-storey framing and building have been well received and we expect this chapter covering a smaller structure to be equally well received."

The seminar will be led by Bassim Bahr Aliloom, CCANZ structural engineer. CCANZ and the NZ Concrete Society created the *RED Book: Examples of Concrete Structural Design to New Zealand Standard Code of Practice for the Design of Concrete Structures - NZ 3101* to assist the process of design and design review, and to increase design efficiency.

For more information and/or to register for the seminars contact the NZ Concrete Society on 09 536 5410 or concrete@bluepacificevents.com



Professor Koji Sakai

Environmental Concrete Seminar

CCANZ invites you to attend a seminar presented by renowned concrete expert, Dr Koji Sakai, Professor of Engineering at Kagawa University in Japan.

Professor Sakai will discuss environmental concrete. Specific topics covered will include:

- Environmental issues in concrete production and use
- Environmental impact reduction in concrete construction
- Low environmental impact concrete technology
- ISO/TC71/SC8 Environmental management

The seminar is scheduled for Auckland (9th Sept), Wellington (10th Sept) and Christchurch (14th Sept).

NZIA CPD points are available.

See pages 3 & 4 for the [Environmental Concrete](#) seminar brochure.

Standards New Zealand UPDATE

NZS 3106:2009 Design of Concrete Structures for the Storage of Liquids



Standards New Zealand has published a revised *Design of concrete structures for the storage of liquids, NZS 3106:2009*, which supersedes *NZS 3106:1986*.

The Standard provides design requirements and guidance including design loads and seismic design criteria.

NZS 3106 is a technical document used by engineers to design concrete tank structures for facilities such as water storage reservoirs and wastewater treatment plants.

The Standard was revised in line with current practice and new technology, and to align with the loadings requirements given in the *AS/NZS 1170* series of Standards (especially *NZS 1170.5 Structural design actions – Earthquake actions*). The revised Standard:

- Provides a basis for designing concrete structures for the storage of liquids so that they will require only limited periodic maintenance to remain serviceable for their design life, and will not allow an uncontrolled, rapid loss of the liquid contents in extreme events such as a major earthquake.
- Includes useful design and analysis guidelines and data to assist the design process.
- Contains commentary that provides examples and applications, making the clauses clearer.
- Supports public safety through designs that are safe and serviceable.

Visit the Standards New Zealand [website](#) for more information on the revised *NZS 3106:2009 Design of concrete structures for the storage of liquids*.

NZS 4218:2009 Thermal Insulation - Housing and Small Buildings

Standards New Zealand has published a revised Standard specifying *Thermal insulation – Housing and small buildings, NZS 4218:2009*, which supersedes *NZS 4218:2004*.

NZS 4218 specifies thermal insulation requirements for housing and small buildings for users of the Standard – architects, designers, building consent authorities, and window and glass companies.

“The Standard is also useful for the building industry including window and glass manufacturers, insulation manufacturers, and manufacturers and suppliers of building products so that they can provide advice and stock appropriate products,” says Michael Camilleri, committee Chair, from BRANZ. Ambiguities in the previous version of *NZS 4218* have been resolved, and there is additional guidance with more worked examples.” The revised version of *NZS 4218*:



- Includes modified R-value tables and brings the Standard into line with these increased performance requirements. The construction R-values in this Standard result in a low life cycle cost, based on current insulation costs, energy costs, and heating behaviour.
- Clarifies the three different ways of working out R-values (Schedule method, Calculation method, and Modelling method) and ensures consistency between the different methods.

Visit the Standards New Zealand [website](#) for more information on the revised *NZS 4218:2009 Thermal insulation – Housing and small buildings*.

Environmental Concrete Seminars

Presented by



Cement & Concrete Association of New Zealand

in association with



Featuring Dr Koji Sakai - Professor of Engineering at Kagawa University in Japan

→ Auckland – 9 September 2009 • Wellington – 10 September 2009 • Christchurch – 14 September 2009

Why You and Your Employees Should Attend this Seminar

There is no doubt that the greatest challenge for mankind in the 21st century is finding ways to solve environmental problems. No longer is there any reason why the construction sector should remain exempt from efforts to resolve the issues of the global environment; every kind of human action involves environmental impacts, and construction is no exception.

This seminar reviews the environmental aspects of concrete and the status of CO2 emissions, and provides a scenario for CO2 reduction. It also presents several cases of advanced technologies for consideration in future efforts to reduce the environmental impacts of concrete production and use.

Other Benefits:

- World renowned speaker
- International & NZ content
- NZIA CPD Points
- Seminar notes package
- Professional networking

Who Should Attend? Architects, Cement Manufacturers, Contractors, Designers, Engineers, Government Depts/ Agencies, Local Authorities, Precast Producers, Ready Mix Suppliers, Specifiers

Programme

Auckland, Wellington, Christchurch

4.00 – 4.30 pm Registration

4.30 – 6.00 pm Seminar

6.00 – 7.00 pm Networking and Refreshments

Venues:

Auckland - Wednesday 9 September 2009

Ellerslie Events Centre

80-100 Ascot Avenue, Greenlane East, Auckland

Wellington - Thursday 10 September 2009

Victoria University of Wellington, School of Architecture
139 Vivian Street, Wellington

Christchurch - Monday 14 September 2009

Holiday Inn City Centre

Cnr Cashel & High Streets, Christchurch

Investment Details:

\$56.25 (GST inclusive) per person

The seminars include:

- Tea and coffee on arrival
- Seminar notes and handouts
- Post seminar refreshments

Speaker Profile:

Professor Koji Sakai (Japan)

Dr Koji Sakai is Professor of Engineering at Kagawa University in Japan. He was Vice-Dean of the Faculty of Engineering at Kagawa University from 1999 to 2002 and a Senator of the University from 1999 to 2004. He is the author of numerous technical papers and his current research interests concentrate on minimising the environmental impact of the concrete industry. Since 2002, Professor Sakai has been Chairman of fib Commission 3 (Environmental Aspects of Design and Construction), and Chairman of the subcommittee of International Activities, Concrete Committee, Japan Society of Civil Engineers (JSCE). From 2003 Professor Sakai has also been Chairman of WG1 and WG5 in the JCI/ISO Committee, and from 2008 Chairman of ISO/TC71/SC8 (Environmental Management for Concrete and Concrete Structures).



With an introduction from Rob Gaimster (New Zealand)

Rob is the Chief Executive Officer of the Cement & Concrete Association of New Zealand (CCANZ), prior to which he worked in the UK as National Technical Manager for building materials giant RMC Group/CEMEX. Rob has been President of the UK based Institute of Concrete Technology (ICT), is a board member of the Building and Construction Industry Training Organisation (BCITO) and is currently involved with the Trans-Tasman alignment of New Zealand cement specification standards NZS 3122 and NZS 3123. Rob also won the Sandy Cormack Award at 2007 New Zealand Concrete Industry Conference for preparing and presenting the most original and innovative paper (The Role of Concrete in Sustainable Development) on the development and use of concrete.



The Cement & Concrete Association of New Zealand acknowledges the following sponsors for making this seminar series possible:

• Allied Concrete • Firth Industries • Golden Bay Cement • Holcim (New Zealand) Ltd

REGISTRATION FORM

ENVIRONMENTAL CONCRETE

Name(s):

Company:

Postal Address:

Postcode:

Telephone:

Mobile:

Facsimile:

Email:

Please indicate which venue:

Auckland, 9 September 2009

Wellington, 10 September 2009

Christchurch, 14 September 2009

Payment Details:

No. of registrants at \$56.25 GST inclusive = \$

I have enclosed our cheque of \$

If paying by cheque or bank draft, please make it payable to Cement and Concrete Association of NZ (CCANZ).

Or prefer to pay by credit card:

Visa Mastercard

Card No.

Expiry Date

Cardholders Name

Signature

Tax Invoice – GST Registration Number 13-975-612

Please complete this form, take a copy for your records and forward it to:

CCANZ Environmental Concrete Seminar, PO Box 12, Beachlands 2147, Auckland, Fax: (09) 536 5442

For all enquiries phone: (09) 536 5410 or email: info@bluepacificevents.com



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