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2014 EVENTS

19 February
Corrosion

14 March
Shear Design of Concrete Structures
(National Seminar)

16 April
Retaining Structures

14 May
Boral Laboratory

21 May
Structural Strengthening of Concrete Structures

[Click here](#) for the latest information on events.

From the President

Dear Member,

2013 is coming to a close and we can reflect on a year of varied and interesting activities.



The successful biennial conference in Brisbane was preceded by our own awards night which showcased some wonderful achievements in the application of concrete technology and practice.

Over the year, our new seminar timings seemed to facilitate better attendances but we need to ensure we are attracting a wider range of professionals and practitioners towards meeting the challenge of concrete and its application in all its forms.

Your committee is looking at how we can maximise the impact and minimise the imposition on time on our membership who are increasingly time-poor.

In the meantime, take a chance for a well-earned break over the holiday period if you can, before taking on the challenges of a new year. We look forward to sharing those challenges with you.

Malcolm Boyd
NSW Branch President

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Get on Board Australia's Biggest Public Transport Project

The \$8.3 billion North West Rail Link is the biggest public transport infrastructure project currently underway in Australia.



Sydney's North West Rail Link project. Picture: Transport for NSW

The project, running from Chatswood to beyond Rouse Hill in Sydney's North West, is the first stage of the city's new rapid transit rail system.

It includes eight new railway stations, 4,000 customer car parking spaces and 15km twin tunnels - the longest rail tunnels ever built in Australia.

Early construction works started in 2013 with the first of four tunnel boring machines to be in the ground in 2014.

The project will be open to customers in late 2019.

The NSW Government has announced an industry "match-making" program to help businesses across NSW maximise the benefits of construction of the North West Rail Link.

The program will help small and medium businesses connect with the major consortiums which will build and deliver the project.

Many industries, professions and trades will be needed to support construction of the 15km of twin tunnels and 4km skytrain, as well as the delivery of the eight new railway stations and the rapid transit service.

The program is run by Industry Capability Network, a business network that connects



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companies to projects and is funded by the NSW Government through NSW Trade and Investment.

ICN supports local industry participation in the delivery of major projects by match up skills and services to where they're needed.

Businesses can register their interest for free online at www.gateway.icn.org.au

Further project information is available at: www.northwestrail.com.au

2014 NSW Events Program



The CIA NSW Branch Committee has been putting the final touches on our 2014 event program and most of the topics and dates have now been finalised.

Our 2014 program kicks off with a seminar on **Corrosion** on February 19th. This is followed by an all day national seminar on **Shear Design of Concrete Structures** on March 14th and a NSW Branch seminar on **Retaining Structures** on April 16th.

On May 14th we have our annual visit to the **Boral Material Technical Services Laboratory** in Baulkham Hills and a seminar on **Structural Strengthening of Concrete Structures** on May 21st.

The June national seminar will be on **Steel Reinforcement Detailing** and be followed by NSW seminars on July 17th on **Fire in Concrete Structures** and **Cracking in Concrete** on August 20th. The final two NSW seminars will be on **Precast & Tilt-up** on October 15th and **Major Project Case Studies** on December 10th.

In November we have the last national seminar of the year on **Durability** and a return to the **OneSteel: Sydney Steel Mill** for a site visit.

The annual **"Movers & Makers"** event will be put on hold in 2014 and in September



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we will be holding a **mini-conference** instead. Details of the topics and speakers will be available next year as well as information for sponsors and exhibitors. "Movers & Makers" will be back in 2015 in conjunction with the Awards for Excellence in Concrete.

As you can see 2014 will be a busy year for the NSW Branch with a program of events that we hope will provide something of interest for everyone. Keep an eye on the [NSW Events](#) page throughout 2014 as some event details may change.

I look forward to seeing you at a CIA event in 2014.

Ian Parker
NSW Branch Vice President &
Chair - NSW Events Sub-Committee

Seminar Review - Shear in Concrete

23rd October 2013
Harbourview Hotel, Nth
Sydney



The Shear in Concrete seminar at the Harbourview Hotel on Wednesday 23rd October provided three very different but complementary presentations on design and construction for shear in concrete.

Anthony Cronau from ITW Construction Systems discussed design for punching shear, including designing and testing of headed shear studs.

Colin Gurley from TAFE NSW Sydney Institute discussed plastic methods of design for shear in concrete beams, providing a historical background, and a number of worked examples, and references for further study.

Finally **Phil Blundy** from AECOM



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discussed the proposed changes to design for shear in the soon to be released draft of the revised Bridge Design Code, AS 5100. The rules for design for shear and torsion have been extensively revised, based on the principles of modified compression field theory developed in Canada, and refined to provide a practical and efficient design procedure.

The evening finished with a wide-ranging and lively discussion, involving all of the speakers.

Design for shear will also feature in the first of the CIA's national seminars in **March 2014**, when two of the World's leading researchers in this area, **Michael Collins** and **Dennis Mitchell** will present full day seminars in each of the Mainland State Capitals. Watch out for details early next year.

Doug Jenkins
NSW State Branch Committee & National President

Site Visit Review - OneSteel: Sydney Steel Mill

On Friday 8 November 2013 Concrete Institute of Australia (CIA) co-hosted with **Steel Reinforcement Institute of Australia (SRIA)** a site visit to the OneSteel Sydney Steel Mill.

Sydney Steel Mill incorporates one of OneSteel's three electric arc furnaces (EAF) capable of producing 600-700,000 tonnes of steel annually. The long products rolling mill is capable of producing more than 300,000 tonnes of finished product annually. Production includes a diverse product range supplying markets including steel in concrete, mining, automotive and engineering applications.



Quick Links...

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The visit commenced with a PowerPoint presentation providing an overview of OneSteel's steel making capability and the key areas of safety and a strong focus on customers and end user. The subsequent tour allowed attendees to observe the state of the art steel manufacturing operation including the scrap bay, melt shop, rolling mills and distribution facilities.

OneSteel's key management team provided detailed insight and expertise into the plant's operations and the core values of safety, meeting their promise to customers plus environmental efforts to reduce energy and waste in EAF steelmaking.

OneSteel's General Manager, Sydney Steel Mill has already offered a new opportunity in November 2014 being a tour the Newcastle Rod Mill plus the Conti-stretch facility. Registrations will be called for in the second half of 2014.

Scott Munter
CIA NSW State Branch Committee & Executive Director - Steel Reinforcement Institute of Australia

Did You Know?

NSW Event Attendance tops 650 in 2013

Over 650 people attended NSW Branch and National events in NSW in 2013 with over 4,000 people attending events nationally.



The Concrete Institute, and NSW Branch, delivers a range of high quality education programs, seminars and social events for the benefit of our Members and the concrete industry as a whole. Throughout 2013 we received excellent feedback on topic relevance and the ability to apply the learning directly to the workplace.

The NSW State Branch and National Office will continue to deliver quality technical and

NSW Branch Newsletter

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Australia

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previous issues**

social events and there will be something of interest for everyone in 2014. Events also provide plenty of opportunities to top up your CPD points and network with like minded individuals.

Keep track of our upcoming events in 2014 by visiting our [Event Calendar](#).

If you have any questions about NSW Branch activities or the Concrete Institute in general please contact...

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