

### In This Issue

- From the President
- Gladesville Bridge - Turns 50
- Seminar Preview - Retaining Structures
- Seminar Review - Preventing Corrosion in Concrete
- Did You Know? - NSW Branch Mini Conference 17 Sept 2014
- Featured Sponsors - Connolly - ASA - Ability

## 2014 EVENTS

16 April

**Retaining Structures**

14 May

**Boral Laboratory - Site Visit**

21 May

**Structural Strengthening of Concrete Structures**

10 June

**Reinforcement Detailing**  
(National Seminar)

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

**2014 NSW Branch Sponsors**

## From the President

Dear Member,

2014 is well underway now with a successful seminar on corrosion heralding our return this year to the Ryde-Eastwood Leagues Club as a more central venue and a most pleasing turnout to the first National Seminar for the year on Shear Design for Concrete Structures featuring outstanding presentations by Professors Michael Collins and Denis Mitchel from Canada. We hope to see this momentum continue with an attractive program of seminars lining up for the balance of the year.



As foreshadowed, we are also finalising plans for a mini-conference in September on the theme of 'Pushing the boundaries in concrete technology' to include, amongst other things, a competition aimed at emerging researchers and practitioners under the age of 30 to tell us in 5 minutes how the boundaries of concrete technology can be pushed to meet the challenges they will face in their lifetime. Details will be issued next month.

We look forward to seeing you at some of our events during the year and joining with us to collectively improve the knowledge and application of concrete technology.

**Malcolm Boyd**  
**NSW Branch President**



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## Gladesville Bridge - Turns 50

I was delighted to hear recently that the globally renown concrete arch structure, the Gladesville Bridge, will turn 50 this year.



The innovative use of concrete on this structure saw a transition in the way that bridges were built around the world. This structure is not alone in setting benchmarks for the rest of the world as Australian ingenuity in the concrete industry has always set innovative and practical standards.

It is with this vision that the Concrete Institute of Australia sets its mission - to promote and develop excellence in concrete throughout Australia. This is done by looking for ways in which we can stay at the forefront of concrete technology, application, design and construction. To help achieve this the Institute is embarking on a number of initiatives to give our Members, and the industry, every opportunity to learn and grow. This includes:

- Attracting quality local and overseas experts on concrete engineering topics that are important to design and construction quality in our country for today and the future.
- Holding our 2015 conference in conjunction with RILEM week, bringing hundreds of overseas experts to our shores not only to learn from, but also to teach about what we can do here .
- Being selected by the International Federation of Structural Concrete (fib) to host their 2018 Congress - only the 2nd time its been held in this country!
- Forming strategic alliances with overseas groups like fib and the American Concrete Institute, providing Members with access to a



great number of worlds best practice Codes and publications, as well as contacts to many of the worlds leading practitioners.

- Updating communication methods including a review of Concrete in Australia, and launching Linked in and Twitter sites.

I look forward working with you in setting high benchmarks for the concrete industry just like the Gladesville Bridge did 50 years ago.

**David Millar**  
**Chief Executive Officer**

## Seminar Preview - Retaining Structures

**16 April 2014 Ryde-Eastwood Leagues Club, West Ryde**



Sydney is currently, and has recently seen the construction of a significant number of projects where retaining structures have been required. These types of structures allow for the ongoing development for infrastructure and projects not only in challenging ground conditions but where installation methods and completion in a timely manner are required.

This seminar will include speakers from significant projects such as Barangaroo and the Port Botany expansion, who will provide a snapshot of the design and construction aspects, and also the challenges that were involved in achieving the desired outcomes.

**Aaron Blanchard** (Project Engineer, Barangaroo Headland Park - Lend Lease) and **Ken O'Neill** (Bridges Leader NSW - Aurecon) will present "**Barangaroo Headland Park - Cultural Space Retaining Walls**" looking at the design and construction of the reinforced concrete



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cultural space retaining walls for the Barangaroo Headland Park Project.

**Philip Davies** (Principal Geotechnical Engineer - Golder Associates) will present "**Port Botany Expansion - Design Challenges for Large Concrete Counterfort Retaining Walls**" which describes the challenges and solutions involved in the design of 20m high retaining walls at the Port Botany Expansion Project in Sydney.

**Brad Irvine** (Director - Retaining Solutions) will present "**Wilpinjong CHPP Dump Structure - Engineered By Application**" which describes the challenges and solutions involved in the design of a 16.8m high wall at the Wilpinjong Coal Expansion project.

[Click here for more information and to register.](#)

I hope to see you at the seminar.

**Craig Mellick**  
Seminar Convenor

## Seminar Review - Preventing Corrosion in Concrete

**19 February 2014**  
**Ryde-Eastwood Leagues Club, West Ryde**

Our first technical seminar of the year looked at typical environments that designers should consider before and during specification, what methods and materials can be used to prevent or reduce reinforcement corrosion, and some specific examples of how these work.



Our presenters, **Grahame Vile** from BAAM Consulting, **Negin Sharifi** from GHD and **Pedram Mojarrad** from Sika were all well received by the audience and there were

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plenty of questions at the end and the discussion continued over a drink after the seminar.

We received positive feedback on the new venue at **Ryde-Eastwood Leagues Club** and the seminar was well attended even though some people had difficulty travelling due to the horrendous downpour we experienced just before the seminar started.

All in all it was a very good seminar and a great start to the year for the NSW Branch.

**Zoe Schmidt  
Seminar Convenor**

## Did You Know?

The NSW Branch of the Concrete Institute of Australia is holding a half day mini-conference on 17th

**September 2014** featuring a high profile Key Note speaker, parallel speaker sessions and a competition for students and practicing engineers under the age of 30 offering a **\$1000 cash prize**.



The overall theme of the conference will be **'pushing the boundaries in concrete technology'** with particular focus on emerging technologies and advanced engineering applications. In particular, designing for robustness and understanding the underlying engineering shall be sub-themes.

Keep an eye out in the coming weeks for more information.

**Don't forget..upcoming  
ACA courses**

ACA Corrosion & CP of  
Concrete Structures -  
Sydney - May 2014





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ACA/ACRA Corrosion & Protection of Concrete Structures - Sydney - June 2014

Register now at  
[www.corrosion.com.au](http://www.corrosion.com.au)

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**Australasian (iron & steel) Slag Association**



## Reinforcement Detailing

(National Seminar)

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

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### Poll Question

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

Duncan Miller

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