



ENGINEERS AUSTRALIA

Newsletter of the Newcastle Division of Engineers Australia

May 2011

→ 2011 year of humanitarian engineering

ENGINEERING NEWCASTLE

Presidents Column

Last month, April saw the first of our CELM hosted CEO speaker series with a very insightful presentation by the Newcastle Division's 2010 Professional Engineer of the Year, Mr Chris Turnbull. It was a great turn out and we continued with last year's tradition by hearing from a local young engineer on their perceptions on engineering leadership, who for this presentation was Nicholas Bates - EA's Chair of Young Engineers Newcastle Division.

The month of May is a busy month for the Division with numerous events being hosted by our Branches and groups. We have not one but two Eminent Speaker presentations, both

by Paul Grundy who was the 2010 winner of the Sir John Connell Medal for his contribution to Structural Engineering. We have been fortunate enough to have Paul give his presentation in both Newcastle on the 6th and Ballina on the 7th.

This year we have created a special sub committee of Division. The Education & Community Engagement Committee will have a focus to engage with our educational bodies including primary, secondary and tertiary levels. This committee is chaired by our immediate Past President, Barry Finlay. I see it as a very important role for Engineers Australia to encourage and promote

students to take up subjects relevant to a career in engineering and to support the education providers in

ensuring the relevance of their subjects. After all the future of our engineering profession will be shaped by the students currently receiving their education.

Remember to keep yourself up to date with what events are on through our website and "what's on" newsletter.



Paul Reynolds, MIEAust, Division President 2011



AUSTRALIAN ENGINEERING WEEK 2011

Australian Engineering Week – Monday 1st August to Sunday 7th August

Proudly sponsored by Aurecon, Ausgrid and GHD
Local Activities include:

- Monday 1st August** – Careers Advisors, Science & Math Teachers Workshop and site tour.
- Tuesday 2nd August** – Discover Engineering
- Friday 5th August** – Engineering Week Dinner incorporating the inaugural 'Sally Chapman Memorial Dinner'. Guest speaker Darren Lomman

Regional Activities will include:
Information Days and Discover Engineering Evenings for students.

Note your diaries - full details to be announced shortly.

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PRESIDENT: Paul Reynolds • DIRECTOR: Helen Link

Engineering Week Sponsors		Gold		Regional Convention Sponsors		CELM CEO Speaker Sponsor 2011		WiE sponsor		YEN Formal Dinner sponsor	
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CEO Speaker Series

Mr Chris Turnbull of Hunter Water

The CELM CEO Speaker series was extremely fortunate to have the pleasure of Mr Chris Turnbull, General Manager, Infrastructure Delivery of Hunter Water, present on leadership in the year of Humanitarian Engineering.

Mr Turnbull detailed the challenges and opportunities that he has faced over his career both locally and when abroad working within the water industry. Mr Turnbull detailed the significant role that water supply and sewerage play in the development of a country and how these basic services can have a huge impact on the health and well being of a community.

The presentation highlighted the great works that Engineers do in the field of Humanitarian Engineering. Mr Turnbull utilised a great mix of media in his presentation that culminated in a music & photo montage of the Hunter Water fundraising carried out as part of the teams Kakoda trek & expedition in New Guinea and further highlighted how minor amounts of money can have such significant impacts on the prosperity and health of our less fortunate neighbours. The fundraising continues, through Water Aid Australia, who seeks your support. <http://www.wateraid.org/australia>

CELM extended our thanks to Mr Turnbull and the Hunter Water team for the presentation and willingness to share the knowledge, challenges and triumphs to Engineers Australia.



l to r: Nick Bates (Chair, YEN Newcastle), Chris Scanlon (Chair, CELM), Chris Turnbull (General Manager, Infrastructure Delivery, Hunter Water)

CELM would also like to thank AECOM for sponsoring the morning and for their continued support of the CELM CEO Speaker series.

Prestigious presentation at CEO Breakfast.

CELM would like to congratulate Mr John Waanders who finally received his medal for his volunteer work within Engineers Australia. John was awarded the Engineers Australia Medal in 2006 and due to an oversight only received the framed certificate at the time. It was with great pleasure we were able to present the medal at this CEO Speaker Series breakfast.

Young Engineers Presentation at CEO Breakfast.

CELM would like to thank Mr Nicholas Bates for his presentation on leadership as a young engineer and his introduction of Mr Chris Turnbull at the CEO speaker series breakfast. Mr Bates highlighted the skills and attributes that he found most effective and critical to his successes in

leadership as a professional engineer.

Upcoming Events

The first of our CEO speaker series was a great success and very well attended. Please ensure that you book early for Ms Lizzie Brown, CEO, Engineers without Borders, to be held Thursday 26th May 2011.

Chris Scanlon

CELM Chair - Newcastle Division.



l to r: John Waanders receives the Engineers Australia medal from Division President, Paul Reynolds

CLOSING SOON!! - 2011 Professional and Young Engineer of the Year Award Nominations

Online nominations are now open for all categories of Professional Engineer of the Year and all categories of Young Engineer of the Year. This is a great opportunity to highlight the achievements of both your young engineers and more senior engineers as well as profile your company. This

prestigious award will be presented at the dinner in Engineering Week in August and winners will automatically be in the running for the National Awards. Winners will be offered the opportunity to attend the National Engineering Excellence Awards and a cash prize of \$1000 is available to

the winner of the Young Engineer Award.

To nominate just visit awards on the Newcastle Division website.

Nominations close Friday 20th May

“Girl’s Talk” – Discover Engineering

Newcastle Division will again be hosting an evening of “**Girl’s Talk**” - an information evening for female school students (from years 9 – 12) interested in engineering as a future career. Four female Engineers across the various engineering disciplines will address the girls & provide practical first hand knowledge about what it is like to be an engineer and how to get started.

Our speakers are:
Karlie Collis, Northrop Consulting Engineers – Structural Engineer
Sally Gilbert, Electrical Engineer
Katie Teyhan, SLR Consulting, Mechanical Engineer
Catherine Pepper, Umwelt (Australia) Pty Limited, Environmental Engineer
Representatives from The University of Newcastle and The Hunter Institute of TAFE will be available to provide

course information.

The evening will be held on **Tuesday 24th May 2011** at Newcastle Division Office from 5.30-7.30pm. If you know of any female students who would be interested in attending this information evening we encourage you to advise them to contact the office for a flyer.

Volunteers Required – Central Coast

The Central Coast Committee is looking for volunteers to help man their stall at the Central Coast Career Expo on **Tuesday 28th June, 2011** at Avondale College, Freeman’s Dr. Cooranbong between 8.45am to 2.30pm.

They would like to set up a roster system so that volunteers only need to offer an hour of their time. It would be great to have a couple of YE and

particularly a couple of female engineers to answer questions from students. Ideally there should be 2-3 volunteers in each time slot.

Time slots are:
7.30am - 8.30am (includes setup)
8.30am - 9.30am
9.30am - 10.30am
10.30am - 11.30am
11.30am - 12.30pm
12.30 - 1.30pm

1.30pm - 2.45pm (includes pickup)
It's a great opportunity to promote the profession to young people.

If you are interested and can help out please advise Natalie Martin **directly** of the time that suits you best. Natalie can be contacted on nmartin@northrop.com.au or call her on **0401 473 764**.

URGENTLY NEEDED – COMMITTEE MEMBERS FOR WiE

We are looking for enthusiastic engineers to continue the great work of the Division’s Women in Engineering Committee. It’s a small committee supported by the Division’s Office Staff. No experience required, just an interest in bringing together females within the division. You do need to be a current financial member of Engineers Australia. If you are interested please contact the office on 49264440 or email your contact details to Jo, jpapanicolaou@engineersaustralia.org.au

YEN Update – May 2011

Hello All – in case you haven't noticed, 2011 is speeding along at a cracking pace and YEN is now well into its calendar of events for this year. I'd like to report on some of our recent goings-on and give you an update on the YEN formal.

First up this year was the Young Engineers BBQ held at Newcastle University in March. It was great to see lots of students turn up for this free BBQ under the sails, to learn a bit about what it is that Engineers Australia & YEN do and also to hear about the EngMentor program run by Newcastle Division.

Also held in March was the Information Session and Workshop for Preparation of Application for CPEng

(Chartered Status) conducted by National Assessor, John Waanders. This event was booked out very quickly and the information session provided attendees valuable information on the benefits of chartered status and how to apply. The workshop provides engineers who are not in a Professional Development Program the opportunity to have their Career Episode Reports reviewed by an assessor prior to submission. In April, YEN was represented at the Meet Your Mentor event held as part of the EngMentor program, and the first of the CELM CEO Speaker Series featuring Chris Turnbull. YEN also hosted a young engineers' networking night at the GT Bar at Newcastle University on Friday 15 April. I'm happy to report there was plenty of

networking going on over a few beers and hot food.

Finally, you may have noticed the adverts for the 2011 Young Engineers Newcastle Formal in the last couple of newsletters. This year YEN is hosting the formal dinner at the Newcastle Jockey Club and the theme will be 'Arabian Nights!' Make sure to keep an eye out for an imminent announcement regarding ticket sales. YEN would also like to thank returning sponsors Parsons Brinckerhoff, GHD, Robert Bird Group and welcome our new sponsors SKM, BAE Systems and Ampcontrol.

Nicholas Bates
Chair, Young Engineers
Newcastle



YEN Formal Dinner sponsors



RobertBirdGroup



ICWES15 - Earlybird Registration Closes 15 May 2011

Earlybird registration for the 15th International Conference for Women Engineers and Scientists (ICWES15) - jointly hosted by Engineers Australia National Committee for Women in Engineering and the International Network for Women Engineers and Scientists (INWES) - closes Friday 15 May. For more information about the conference, please visit www.icwes15.org.

2011 Chemical Engineering Awards of Excellence - Nominations Close 27 May!

The Australian and New Zealand Federation of Chemical Engineering is now seeking nominations for the 2011 Chemical Engineering Awards of Excellence. The awards provide a showcase for outstanding achievement in the field of chemical engineering. The federation has instituted these awards to help encourage and recognize excellence and to highlight the contribution made by Australian and New Zealand Chemical Engineers to the community. The Awards will be presented at Chemeca 2011. Applicants are sought from industry, academia and the public sector. To nominate please visit: www.engineersaustralia.org.au/chemical/awards

2011 David Dewhurst Award - Nominations Now Open!

Each year the award is presented for outstanding service to the field of biomedical engineering. The Award is given to a member of the biomedical engineering team who has made a significant contribution to the discipline. For more information, including eligibility criteria or to nominate online please visit: www.engineersaustralia.org.au/biomedical/awards

EngQuest
powered by imagination

EngQuest is a FREE, hands-on problem solving program for primary and middle years students. Last year more than 43,000 students participated in EngQuest!

EngQuest 2011:

- offers a great choice in student projects, including a new 'Rebuild a community' project
- features a new flash entry animation and fun IWB interactives, games and quizzes for students
- includes curriculum-linked support material in PDF and SMART Notebook formats
- engineer volunteers available to provide support via the online forum and where possible, through special school visits.

Join the educational fun in maths, science and technology. Each student receives a participation prize and colourful merit certificate.

Visit the website today www.engquest.org.au

ENGINEERS AUSTRALIA

ENGQUEST

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Continuing Professional Development (CPD)

Engineers Australia Newcastle Division offers CPD in a number of streams, enabling members to undertake a variety of CPD providing them with the opportunity to gather skills and knowledge to assist in all aspects of their career. The streams we have identified are as outlined below.

Date	Time	Event	Venue
Electrical			
25th May Wednesday	5.30pm	Site Visit to OneSteel's Newcastle Rod Mill	Mayfield, NSW
CELM			
26th May Thursday	7.15am	CEO Speaker Series - Breakfast 2 Speaker: Lizzie Brown, CEO, Engineers Without Borders	Newcastle Club
Women in Engineering			
19th May Thursday	5.30pm For 6.00pm	Women of Inspiration – Kelly Jones Non-executive director, Red Cross BloodService and Sarah Miller, Research Scientist, CSIRO	Engineers Australia 122 Parry St, Newcastle West
28th June Tuesday	TBC	Styling Evening with Stylist to the Stars, Lainey Donnelly	Engineers Australia 122 Parry St, Newcastle West
Northern Rivers			
7th June Tuesday	6.30 for 7.00pm	Presentation & Dinner, Corrina Grace, Founder & Executive Director Project Seres	Lismore Workers Heights Bowling Club
National President's Regional Tour - Diary dates			
4th July	TBA	Meet & Greet followed by Dinner and Presentation	Grafton
5th July	TBA	Meet & Greet followed by Dinner and Presentation	Port Macquarie
Division			
16th- 18th September 2011		Regional Convention 2011 'Sustaining Our Regions: The Engineering Challenge'	Armidale, NSW
YEN			
8th October Saturday		YEN Formal Dinner	Newcastle Jockey Club

Newcastle Division Video and DVD Library - Earn CPD points

Don't forget, there are a number of presentations available in DVD or Video format that can be borrowed from Division Office 4926 4440. Each presentation counts toward your CPD points. The full listing of titles has been updated on our website, to view please visit:
www.engineersaustralia.org.au/newcastle

Engineers Australia Webcasts - ONLINE CPD

There are approximately 550 presentations available online covering a wide range of topics across all disciplines. Viewing these counts toward your CPD accruals - and you can do it from the comfort of your desk!

Online presentations are available for viewing at:

<http://www.engineersaustralia.org.au/search/events/mediavision>

Some event dates and times are subject to change. Please check our website www.engineersaustralia.org.au/newcastle for up-to-date information.

All registration to events is now done online via www.engineersaustralia.org.au/newcastle

For further information relating to any of the above events please contact the Newcastle Division office at newcastle@engineersaustralia.org.au

WANTED – CHEMICAL ENGINEERS

We are looking for enthusiastic chemical engineers to reform the Division's Chemical Engineering Branch. No experience required to be part of the committee but you do need to be a current financial member of Engineers Australia. If you are interested please contact the office on 49264440 or email your contact details to Jo, jpapanicolaou@engineersaustralia.org.au