



ENGINEERS
AUSTRALIA

Newsletter of the Newcastle
Division of Engineers Australia

July 2011

→ 2011 year of humanitarian engineering

ENGINEERING NEWCASTLE

2012 Engineering Excellence Award Sponsors



Engineering Week Sponsors



Regional Convention Sponsors

Gold



Silver



Engineering Education Australia

Bronze



AUSTRALIAN RAIL TRACK CORPORATION

CELM CEO Speaker Sponsor 2011



WiE sponsors



YEN Formal Dinner sponsor

Principal Sponsor



Executive Sponsors



Robert Bird Group

Presidents Column

The month of June saw some great presentations and activities put on by our groups and branches. We had an impressive presentation by Professor Tony Wong as part of the National Eminent Speaker Presentations. Tony was awarded the 2010 Sir John Holland Civil Engineer of the Year.

On the 4th to 6th of July I will be joined by our Division Director Helen Link and National President Merv Lindsay for a tour of our Northern Rivers and Mid North Coast regions. This will provide our members the opportunity to meet the National President and showcase some of their engineering innovations within the region.

Later this year our Newcastle and Central Coast groups will get a similar opportunity. The first week of August is Engineering Week, with preparations well underway within our Newcastle Division. Engineering Week gives us the opportunity to promote engineering to the broader community through a number of industry site visits, workshops, presentations

and school challenges. Engineering Week for Newcastle Division will end with our inaugural Sally Chapman Dinner in memory of our late Director of the Newcastle Division.



Remember to keep yourself updated 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, 122 Parry Street, N'cle
West

Friday 5th August – Engineering
Week Dinner incorporating the inaugural

'Sally Chapman Memorial Dinner'. Guest speaker Darren Lomman

Regional Activities include:

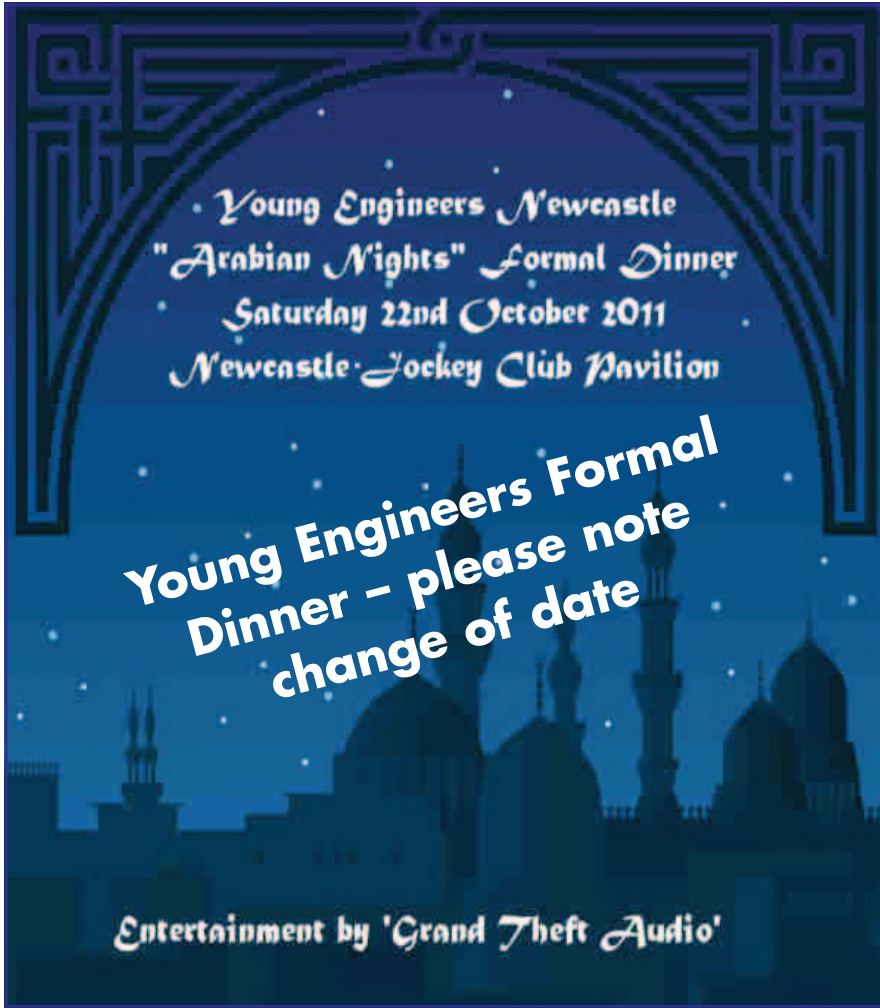
Wednesday 3rd August - Discover Engineering, Port Macquarie

Tuesday 2nd August - Discover Engineering – Coffs Harbour

Wednesday 3rd August - Discover Engineering, South Grafton Services Club, Wharf Street, South Grafton 6.30pm – 8.30pm

Thursday 4th August - Discover Engineering, McCarthy Hall, Main Street Alstonville 6.00pm – 8.00pm

Note your diaries - full details available from Division Office on 4926 4440



YEN Formal Dinner sponsors

Principal Sponsor



Executive Sponsors



RobertBirdGroup



EARLY BIRD REGISTRATIONS NOW OPEN

Regional Convention - Armidale 16th - 18th September 2011

Venue: University of New England, Duvall College Conference Centre

Keynote speakers at the convention include:

David Hood - Adjunct Professor, Faculty of Built Environment and Engineering, QUT, National Deputy President Engineers Australia

Chris Davis - Sustainability Business Development Manager, UTS

Jillian Kilby - 2010 Young professional Engineer of the Year (National winner)

Martin Toms - School of Behavioural, Cognitive and Social Sciences, UNE

Guest Speaker at the Gala Dinner - **Dianne Boddy**

To register visit Newcastle Division Events or contact the Division Office for a brochure.

2012 Engineering Excellence Awards

The Engineers Australia Newcastle Division Engineering Excellence Awards are to be held on 11th May 2012.

Entry forms will be available from early August 2011 and entries will be open until 31st October 2011.

The full submission will be required at Division office by 31st January 2012.

Contact the office for information on sponsorship opportunities

Engineering Students Achievements Recognised

The electrical branch was recently invited to participate in an awards ceremony at Newcastle University, recognising outstanding academic achievement by engineering students.

The event was organised by Prof. Terry Summers of the School of Electrical Engineering & Computer Science. Three students received recognition from Engineers Australia in the form of

a certificate and cheque for \$200 for best academic performance in their first year of study. Bradley Driscoll, Patrick O'Rourke and Matthew Kuehn were the 2010 prize winners for the best overall performance of a first year student in Electrical, Computer and Telecommunications Engineering respectively at Newcastle University. Well done to these young engineers of the future.



Cameron Shortland (Chairman Electrical Branch) with left to right Bradley Driscoll, Patrick O'Rourke and Matthew Kuehn who were prize winners best First Year overall performance in 2010 in Electrical, Computer and Telecommunication Engineering respectively at Newcastle University.

Newcastle hosts - Professor Tony Wong,

2010 Sir John Holland Civil Engineer of the Year

The Civil/Structural Branch hosted Professor Tony Wong, the 2010 Sir John Holland Civil Engineer of the Year and the Civil College's Eminent Speaker for 2010-2011, at an evening technical session presentation at the Parry Street auditorium on 27 June 2011.

Professor Wong kept a keen and appreciative audience of over 50 local engineers and several guests enthralled with a professionally prepared and presented discussion on the impact of the need to take a fresh and holistic view of the means of managing urban water in cities of the future.

Professor Wong took an initial step back and examined the demographic projections for Australia over the next century and then proceeded to identify the sources of water in the

urban environments that are currently managed and the sources of water that are not actively managed or are ignored. Professor Wong demonstrated that in order to meet the future demand for water it will be necessary to change the way water is managed in the urban environment.

All water, whether fresh rainfall or waste water from production processes or sewage would need to be identified, quantified and managed as valuable resources.

Professor Wong examined the impact that water, in its various forms, had on the liveability of urban environments.

In order to implement the required changes in management strategies, Professor Wong argued that engineers will need to become more visible in the social arena and take a



(l to r) Rob Barker, Civil /Structural Branch Chair and Civil College Board representative with Professor Tony Wong

role of leadership across the wider socio-political spectrum.

Professor Wong concluded his presentation with a short question and answer session that covered a wide range of issues, demonstrating how broad and wide reaching the management of water will be in our future cities.

Women In Engineering

On Tuesday 28th June the Women In Engineering group enjoyed an evening with Lainey Donnelly who is one of Australia's leading celebrity stylists, lifestyle and image consultants. Her reputation has been established upon a career of celebrity styling and image making for film, TV, editorial and advertising, as well as personal and red carpet appearance. The WiE group were coached on dressing right for their body shape and also given tips on hair, makeup and other strategies to dress for

success.

A fabulous evening was enjoyed by all with some great food and refreshments, many laughs and lots of conversation.

WiE is also excited to announce their new leadership structure, Deb O'Brien and Jacqui Tran have now taken over as joint chair of the Women in Engineering Committee. Tara Kafashzadeh and Rachel MacGibbon are joint representatives to the National Committee. Congratulations to Deb, Jacqui, Tara and Rachel.



Gillian Geraghty and Ruth Fernando, Co-chairs (Former) Women in Engineering Committee

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
Northern Rivers			
6th August	6.30pm	Engineering Week Dinner & Presentation Presenter: Alun Davies	The Vines, 139 Fitzroy St Grafton
CELM			
21st July	7.15am	CELM CEO Speaker Breakfast - Geoff Lilliss	Newcastle Club
27th October	7.15am	CELM CEO Speaker Breakfast - Barry Gear	Newcastle Club
Newcastle Division			
5th August	6.30pm	2011 Engineering Week Celebration & Sally Chapman Memorial Dinner	Noahs on the Beach Newcastle
9th August	5.30pm	'Reconstruction in Afghanistan' Speaker: Warrant Officer Gary Rees	Engineers Australia 122 Parry Street Newcastle West
16th- 18th September 2011		Regional Convention 2011 'Sustaining Our Regions: The Engineering Challenge'	Armidale, NSW
Civil/Structural			
16th August	5.30pm	Recycling, Sustainability & Natures Mandate Microbiological Challenges for Engineers Presenter - Dr Roy Cullimore - Droycon Bioconcepts Inc. Canada	Engineers Australia 122 Parry Street Newcastle West
WiE			
13th Sept	5.30pm	"Communicating to Get What You Want" Presenter: Tarnya Davis, Clinical & Forensic Psychologist	Engineers Australia 122 Parry St, Newcastle West
Electrical			
7th September	5.30pm	Site Visit to OneSteel's Newcastle Rod Mill	Mayfield, NSW
YEN			
22nd October	TBC	YEN Formal Dinner	Newcastle Jockey Club
25th August	5.20pm	GenX Debate	Customs House

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

Registration for the 16th Engineering Heritage Australia Conference

Registration for the 16th Engineering Heritage Australia Conference in Hobart in November 2011 is now open. Full details are on the website www.cdesign.com.au/ehac2011 where the Registration Brochure, Registration Form and on-line registration are all available.