

ENGINEERS SYDNEY



THE NEWSLETTER OF THE SYDNEY DIVISION OF ENGINEERS AUSTRALIA

AUGUST 2011

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PRESIDENT'S MESSAGE

Keeping Up With the Others



As the saga relating to Rupert Murdoch's *News of The World* and other new entities unfolds, we should think about how it is that we account for our profession. How do we ensure that our professional integrity remains intact, that we pass on high standards of professional ethics to younger members of the profession, and how would we, as a profession, deal with a bad seed?

In Queensland, the state government passed the Professional Engineers Act 2002, which is administered by The Board of Professional Engineers of Queensland, and only allows registered engineers to practise in Queensland. Further, the Act provides a mechanism for those who are aggrieved by the conduct of a registered professional engineer, to lodge a complaint.

Engineers Australia, together with other peak engineering bodies, believes that it is time for the national registration of engineers. This system would in no doubt have beneficial effects, not only for the profession but also for the public who look towards professional conduct by engineers. It will bring us up to the standard which the public expects of other professions which have registration systems such as the lawyers and doctors.

However, implementing such a system would have its challenges too. Firstly, the engineering profession is so widely diverse. That is, not all engineers who use their engineering degrees in their daily roles would be signing off engineering drawings or designs. The registration system would have to be broad enough to encompass the variety of roles that different engineers have. Further, how would you monitor such as system? Should it be administered by a government body? Or by the profession itself? These are all questions which are imperative on the road

towards achieving national registration and which will be considered. Not to mention including provisions for disaster situations where you may need engineers who are not necessarily registered in Australia to help (such as for example, in the recent Queensland floods where it was difficult for engineers from other states to volunteer in an engineering role).

We are not the only profession which seeks to better our professional standards and benefits to our members. Recently, I had the pleasure of attending the Australian Institute of Building Awards evening. One of the interesting mechanisms that the AIB uses to attract future builders into their profession is by setting up a trust which provides scholarships to students wishing to, for example, move into building. The trust is set up to receive donations from major building companies. This may or may not be something which Engineers Australia looks into implementing – but my point is, we should be continuously looking at ways to improve our profession, and looking at other bodies is one way to benchmark ourselves. On that note, the inter-professional debates kick-off on 1 September (between Engineers and the Economists) in NSW Parliament House. In debates against the Young Lawyers last year, the Young Engineers won – maybe other professional bodies will soon be speaking about keeping up with those engineers.

Twitter: @EASyd_President

Maryam Khajeh, MIEAust
Sydney Division President



ENGINEERING EXCELLENCE AWARDS
SYDNEY 2011

Awards Presentation Invitation

Date: Friday, 16 September 2011

Location: The Westin, Sydney

RSVP before 7 September 2011

Contact Aimee Najdovski for all registration and enquiries

E-mail: registration@engineersaustralia.org.au



ENGINEERS
AUSTRALIA
Sydney Division

→ 2011 year of humanitarian engineering

Key Division Staff

Executive Director – Steve Finlay
Executive Operations Manager – Richard Hanna
Events Manager – Aimee Najdovski
Industry Relationship Manager – Elana Huthnance
Events Administrator – Jessica Marshall
Communications and IT Coordinator – Nimali Herath
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 Neil Wyles and Guy Beaubois
National Stage 1 Assessor – Guy Beaubois and Maurice Allen
National Manager Careers – Jenny O'Donovan

Your Division Committee for 2011

President – Maryam Khajeh
Deputy President – Brendyn Williams
Vice Deputy President – John Nichols
Immediate Past President – Ian Ackland
National Councillors – Bruce Howard, Marlene Kanga
 and Alex Baitch
National Congress – Kevin Dixon, David Edwards
 and Michael Myers

Elected Members:

Alex Baitch, Kevin Dixon, Phillip Cleary, Rosemary Crowhurst,
 Don Hector and Ted Tooher

Appointed Members:

**Young Engineers Australia,
 Sydney Division** – Terri Lin
Women in Engineering – Julie Mikhail
Regional Group Representatives – Jon Thompson
 and Marlene Van der Sterren
College and CELM Representative – Debashis Raha
Unit Representative – Jon Lee
Societies Representative – Patrick McMullan
Chair Education Sub Committee – Norm Himsley

Produced by

Engineers Australia Sydney Division
Editor – Steve Finlay
Designed by Engineers Media

Deputy President's Corner

While Engineers Australia is reasonably unique in the world in that it is structured to represent and support all disciplines of engineering within the country, the extent to which the various disciplines are addressed is very much dependent on the volunteer component of our organisation.



Identifying and responding to the needs of our membership in support of their professional careers is a constant challenge. Ideally, the range of groups, panels and technical societies, combined with the programme of associated professional development activities, will be relevant to most members in most locations. However, this is not always the case, and regular review and adjustment is necessary. Our greatest challenge are the less common or specialised disciplines of engineering, and engagement in regional and remote areas. The recent national Census is a reminder of the need to better know the demographics of our existing and potential membership, so that we can respond accordingly.

Hopefully many of you would have made time to get involved in Australian Engineering Week, which is celebrated during the first week in August each year. Engineering is often unseen and unheard by the community, except when something goes wrong. Engineering Week is an opportunity to proactively engage with the public and better communicate the relevance and importance of engineering to the daily lives of the entire population. We all have a part to play in better communicating this message.

*Brendyn Williams BE(Civil)(Hons) MIEAust FIPWEA
 Deputy President, Engineers Australia Sydney Division*



Economists vs Engineers at NSW Parliament House

On Thursday 1 September at NSW Parliament House, the Sydney Division of Engineers Australia will meet the NSW Branch of The Economic Society of Australia in the first ever debate between the two associations. But don't expect a strictly parliamentary debate: points will be given equally for both the arguments presented and the entertainment of the delivery.

The topic, **NSW's infrastructure woes need economic solutions above engineering solutions**, pits economists against engineers in this all-important issue for the new state government. Should we simply put a price on the use of existing infrastructure or get on with the job of building more? Should politicians pay more attention to economic models or engineering models?

As the newspaper cartoonists of the world know all too well, serious commentary can be made very effectively through humour. In a contest of ideas, humour is an excellent way to turn conflict into engagement. The principal intention of the debate is to open the communication channels between the two professions, professions that can provide vital leadership on complex issues in public policy. Debates with other professional associations are also planned for later this year.

The debate is an ideal networking opportunity for all members, particularly those in leadership or managerial roles. Come and support your profession on the floor of the Lower House, and reflect on how good-humoured debate might encourage innovation and resolve conflicts in your own organisation.

Tickets for the debate, hosted by Expressive Engineering, are available at www.expressiveeng.com.au. Doors open at 5:30 for a 6pm start. For further information, contact events@expressiveeng.com.au.



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Young Engineers

Every day I advance into my professional career, I become more and more aware of just how much there is to know that university simply doesn't teach!

One of the most fundamental skills required by a professional engineer (and just about all other professionals) is to be able to adequately assess and manage risk. Whether you are building a bridge or designing a consumer product, risk will rear its head and assert itself as one of the dominant drivers of the project. Should we take the risk with this new type of structural beam that hasn't been used before? It offers great opportunity but it poses potential risks to those who will use the structure. Or should we incorporate a prototype wireless technology into a new product that appears to provide unparalleled performance? Again great opportunity but poses significant risk to the company since its reliability may not be fully established which could lead to no one buying the product.

Some professions have greater exposure to risk than others, for example entrepreneurship is inherently risky and those who embark on that journey need to take risks to progress their businesses and ideas. Back in July YEAS, in conjunction with Davies Collison Cave, held the Young Entrepreneurs workshop and this exact topic was discussed by a couple of young entrepreneurs who are in the midst of such journeys. The insight and experiences that they shared emphasised the point I'm trying to make here, that without a good understanding of risk and how to identify it, you're chances of success as a professional are somewhat diminished.

This may all seem simplistic and obvious however after leaving university I definitely hadn't considered that risk was going to be such a massive part of my professional life. Was I naïve? Quite possibly, but to be fair I'm also not sure that the one Professional Engineering subject that you do in fourth year engineering adequately addressed the importance of understanding risk. Now I'm not trying to put university down and make out that you don't learn anything useful, I just want to highlight that university is only the beginning and that you should be prepared for a steep learning curve when you begin your first graduate job.

To upcoming events, YEAS are working hard and have a number of great events that provide opportunities for young professionals and students



Young Entrepreneurs Workshop held at Davies Collison Cave.

to network, learn and gain CPD credits towards chartered status. On the 8th September we will be hosting our Annual Gala Dinner at Dockside in Cockle Bay. This year's event will be hosted by Adam Spencer and we will be awarding both the Young Professional Engineer of the Year and Student Engineer of the Year awards. For details on how to register visit the YEAS website www.engineersaustralia.org.au/yeasyd/

James Bencke, GradIEAust
YEAS Chairperson

If you are interested in getting involved or learning more about YEAS please email our secretary Patrick James at yeasyd@engineersaustralia.org.au. For upcoming YEAS events please visit our website at www.engineersaustralia.org.au/yeasyd/ or join our Facebook group: Young Engineers Australia Sydney.

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Oct	25-26	Sydney	Contract Administration - Works
	27-28	Sydney	Advanced Contract Administration
Nov	15-16	Melbourne	Contract Administration - Works
	17-18	Melbourne	Advanced Contract Management for Superintendents

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Davies Collison Cave is Australia's leading patent and trade mark attorney firm.

We offer an extensive range of strategically focused services and provide expert advice in patents, trade marks, domain names, trade secrets, copyright and design protection, as well as licensing, litigation and related legal and commercial matters.

Our clients range from major corporations to university students and backyard inventors.

Australia's largest intellectual property firm, we employ around 250 people, including 37 partners and over 80 lawyers and attorneys, with offices in Sydney, Newcastle, Melbourne, Brisbane and Canberra.

All of our Attorneys have technical qualifications in engineering or science. Our dedicated Engineering Team members have an in-depth understanding of the engineering sector, with expertise covering all disciplines including mechanical, computer and chemical engineering.

With a history dating back 130 years, the company helped pioneer Australia's patent system and filed Australia's first trade mark. We have since grown to become Australia largest IP practice. Our Attorneys practice in both Australia and New Zealand, and we have a global network of partner attorney firms.

Filing over 7000 patents and 2000 trade marks each year, Davies Collison Cave is one of the most active practices in intellectual property matters before the Australian courts.

Our Mission

Our long history of IP protection means that our legal and strategy advice builds upon a wealth of experience.

Davies Collison Cave's mission is to remain the most innovative and experienced firm of choice for intellectual property in Australia.

Engaging the brightest and most respected talent to ensure you receive the best advice, our highly skilled Patent Attorneys all have superior technical qualifications in science or engineering, and provide intellectual property advice that is informed, strategic and timely.

Sponsorship of Innovations and Inventions Engineering Excellence Award

Davies Collison Cave is proud to sponsor the "Innovation and Invention" Award, and we have done so for over 10 years.

We believe the Engineering Excellence Awards consistently encourage innovation excellence in the Australian engineering profession.

This, in turn, ensures that Australia itself remains a world leader of innovation and technology.

Our Engineers

We know that it is not enough to simply know the complex legal side of intellectual property. A true understanding of the technology is essential to fully understanding our clients' businesses and needs.

Many of our patent practitioners have completed doctorates and have relevant post-doctoral experience, are qualified in other jurisdictions and have proven commercial and legal successes at the world's leading companies.

Davies Collison Cave's Engineering Team all have superior engineering qualifications, and cover a range of engineering disciplines, including electrical, computer, systems, mechanical, aeronautical, space, manufacturing, chemical and biomedical engineering.

Together with the qualifications and experience necessary to practice as a Patent Attorneys, this makes our people the very best in the industry.

The cream of Australia's legal and scientific talent

The ethos of Davies Collison Cave is excellence achieved in a collegiate and collaborative team environment. Our team has a wide range of talents and achievements, with many dedicated to industry teaching positions outside the firm and various positions within IP related organisations.

We actively promote a healthy work life balance and support staff to engage in further training and development. We also encourage participation in a range of sporting, charity and social activities.

The firm's ethos, dedication to developing its staff and partners, and contribution to the intellectual property landscape nationally and internationally, is what differentiates Davies Collison Cave. We recruit professional staff of the highest calibre and pride ourselves on the talent of our people to provide innovative, commercially focused intellectual property advice.

Name and describe something that is a major achievement for Davies Collison Cave and explain why (150 words or less).

The numerous industry accolades and awards we receive annually is testament to the dedication we apply to our clients, the standard of our services and the development of the industry in Australia.

We have consistently been voted the No. 1 patent and trade mark firm in Australia by internationally renowned publications Australasian Legal Business and Managing Intellectual Property.

We again received the "Australian Prosecution IP Firm of the Year" award at the Managing Intellectual Property 2011 Global Awards ceremony in London.

Davies Collison Cave was also awarded Best Patent and Trademark Attorney Firm 2010 at the BRW Client Choice Awards.



From top left: Anthony Cowle – Electrical; Chris Carter – Physics; Will Hird – Chemical; Damon Henshaw – Physics; Simon Reynolds – Computer; Dan Berger – Nanotech; Andrew Caska – Mechanical.

Career Reflection

**Aaron Smith CPEng MIEAust,
Civil and Environmental Engineer, Sinclair Knight Merz**

What made you decide to pursue a career in engineering?

At school I enjoyed Technical Drawing and Engineering Studies but really didn't have a full understanding of the diversity of engineering as a career. However, at the end of school, I was offered a cadetship at Sydney Water. It was in the first few months of this cadetship as I came to see the range of challenges and roles that engineers are involved in that I knew it was a career for me.

What qualifications do you have?

I have a Bachelor in Civil and Environmental Engineering and a Masters of Engineering Management from UTS, as well as a Diploma of Engineering Practice from my time at Sydney Water. I also undertook an international exchange, studying at Budapest Technical University in Hungary, as part of my undergraduate studies.



Aaron Smith next to the Hanko Water Tower, Finland.

Where have you worked since graduating?

After working for a number of years for Sydney Water in their Asset Solution section, I spent a year as the School Visits Officer for UTS, visiting high schools throughout NSW to talk about life after Year 12 and future career options. In 2007, I joined the Water and Environmental Section of SKM consulting and in this role I have been mainly involved in pipeline design and network planning.

You have recently become Chartered. What does that mean to you?

For me, attaining Chartered Status was just part of a logical process. In an industry like engineering that relies so heavily on your professional experiences, being Chartered is a way to formalise your career development. The international recognition is also a great way to really upgrade your degree.

Where do you see yourself next?

Getting chartered has been my career goal for a number of years so now that I've achieved it, everyone seems to be asking me "what next?". I am interested in a couple of areas. I am actively involved in Engineers Without Borders and so considering some volunteer work in the future. I am also considering undertaking an MBA or heading out on site for a while.

What is your advice to Graduate Engineers starting out in their careers and the pathway to Chartered Status?

I would encourage Graduate Engineers to take a proactive approach to their professional development and utilise the commitment your organisation has made through the Professional Development Program to assist in your career development.

In regards to Chartered Status, do some forward planning and include your report writing in your personal objectives of the projects you are working on. To do this, try the following:

- Map out the competencies you are going to claim before a project is started and discuss with your manager the roles you need to take on to achieve these.
- Write up your career episodes as soon as the project ends. Do not wait for the project manager to retire and then start chasing him to get competencies signed off.
- Keep a score card. 26 competencies can feel like they are never going to end, so celebrate successes and set six monthly goals.

Illawarra/Sutherland region news

2011 being the Year of Humanitarian Engineering, Richard (Dick) Kell, Director of Cardno International Pty Ltd, gave a presentation on Engineering for Humanity and how Cardno has major involvement in humanitarian assistance in developing fragile state countries, covering both engineering and social infrastructure, with projects as diverse as the replacement of wharves and other coastal infrastructure following tsunamis in the Pacific and across Asia, road and bridge maintenance in PNG, East Timor, South and Central Asia, the electoral support program in PNG, Islamic girls schools in Indonesia and anti people smuggling in Indo China.

Funding for humanitarian projects in Asia and the Pacific emanates from AusAID, World Bank, Asian Development Bank and other donors and NGOs, and amounts to many billions annually. This represents a huge management challenge, where Australian Engineering companies have shown their worth, but it is also a business opportunity, and the chance for dedicated Engineers to contribute to the Engineering and social infrastructure and governance so necessary to reduce poverty, improve lives and provide opportunities for people in developing and fragile countries.

Dick has more than 40 years of experience working in developing countries. He discussed the extent of the development and humanitarian assistance undertaking, and illustrated this with several projects in remote locations in countries in the Asian and Pacific Regions, which are not only of interest in the context of Engineering, but also show how engineers can make a sustainable difference to the lives of people in these countries.

*Elaine Bailey
Regional Co-Ordinator*



Nick DiBono (ISRG Committee Member), Dick Kell and Chris Hadenham (ISRG 2011 Chair).

“The Career Break” Panel Discussion

On 23rd June 2011 Women in Engineering Sydney Division held a panel discussion focussed on the Career Break phase in a female engineer's life. Steering away from the usual panel discussion topics, WIE with the support of Abigroup held this targeted event to address the issues faced by female engineers planning time off work, currently on a break or planning to return to work after a break. Attended by about 60 people, the panel discussion was held in the Harricks Auditorium at Engineers Australia offices in Chatswood.

Four panellists presented the topic from varying angles: the recruiter, the HR manager, the careers advisor and the female engineer.

The first presentation was by Kim Manderson, HR Manager from Railcorp who talked about the progressive programs Railcorp are currently implementing to ensure the retention of their female work force. Such programs included a range of flexible working arrangements and schemes to ensure the recognition of staff achievements.

Jenny O'Donovan, Careers Advisor from Engineers Australia, followed Kim with a discussion which covered the three phases: planning your break, while you are away and planning your return. Jenny drew on both her personal and professional experiences to provide plenty of practical tips that included maintaining an up to date resume, filling out a skills matrix and overall enjoying being a working parent!

The recruitment perspective was presented by Heidi Crawford, from Crawford Recruitment. Heidi covered the aspects to consider when looking for work such as researching appropriate agencies and using the Internet, and offered feedback she had received from clients regarding such topics as continuous training and part-time work.

The final speaker, Shelandra Ranasinghe, an engineering Manager from Abigroup, gave the real life experience, being a female engineer who took time out of her career firstly to follow her husband's career overseas and secondly to have a child. Shelandra pointed out the importance of maintaining some flexibility with your long term plans and goals and in recognising the different skills that are acquired while on a career break.

The session concluded with an opportunity for questions and some one-



Back (l-r) Jenny O'Donovan (EA), Kim Manderson (RailCorp), Golab Shirazi (Abigroup) and Julie Mikhail (Sydney WIE). Front (l-r): Shelandra Ranasinghe (Abigroup), Heidi Crawford (Crawford Recruitment) and Jade Gan (Sydney WIE).

on-one discussions with the speakers. WIE Sydney wishes to thank Abigroup for their sponsorship of this event. Also please note that a video recording of this event will be posted on the WIE website shortly.

Julie Mikhail,
Chair WIE Sydney.

ENGINEERS AUSTRALIA
CPEng Workshop
Why wait to become a CPEng?

Upgrade your professional status to CPEng, College Membership and NPER by attending one half-day workshop and by subsequently submitting your application.

The purpose of these workshops is to de-mystify the process of applying for Chartered status: the mark of a competent practicing engineer. The workshop also explains the requirements for College Membership and NPER.

Each workshop is conducted by
 Richard Hohn, Executive Operations Manager.
 Date: Friday 26 OR Saturday 27 August 2011
 Register: www.engineersaustralia.org.au/sydney/events
 Contact: jbresolin@engineersaustralia.org.au

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20 year Anniversary of Western Sydney Regional Group

This month Western Sydney Regional Group (WSRG) celebrated its 20th Birthday. Current and past committee members and office bearers gathered for a casual cocktail event in Western Sydney. WSRG and Western Sydney Region have seen a lot of changes over the years, including the F4 (now M4), M5, electrification of the Richmond Line, significant developments, such as Glenmore Park, Rouse Hill and improvements to the Waste Water Treatment Plants. From the early beginnings events were organised by Western Sydney Engineers for Western Sydney Engineers. The introduction of the Young Engineers within the group saw the development of a yearly ski trip through the University of Western Sydney, public speaking competitions and workshops. During the celebrations, the WSRG banner was launched and received great feedback. The WSRG is planning more events in the coming years and we all hope to be there at WSRG 30th birthday party. A photo presentation was also created showing the events from the past 20 years. The presentation is available on our website, whilst photos of the 20 year Anniversary can be found on <http://news.webshots.com/album/580597058EhpBDf?vhost=news>

Not only did we celebrate this milestone, but on the 30 June 2010, EA WSRG organised an event for Women In Engineering. The event concentrated on Work and Life Balance. The three presenters have different life experience while working as engineers. The attendees ranged from students, academics and practise engineers, whom all agreed that the event was a great success.

I would like to take this opportunity to acknowledge all of those that have volunteered and participated in events in Western Sydney. Without the volunteers organising these events and Western Sydney Engineers attending them, the group would not be what it is today. So, therefore, WSRG thanks you for your involvement and we hope to see you soon at one of our events.

Marlène van der Sterren
Chair WSRG

If you would like to get involved with WSRG, please contact us on our email: wsg@engineersaustralia.org.au, check out our new webpage www.engineersaustralia.org.au – Sydney – Groups – Western Sydney) or our facebook page www.facebook.com/group.php?gid=113651958661562.



Back row (l-r): George Grodzicki (WSRG Treasurer), Jonathan Barnes (YE WSRG), Sanshi Liu (YE WSRG), Bob Moolenaar, "Our new banner", Steve Lewis, Steve Middleton, Con Calfas and Talak Mohammed. Front row (l-r): Steven Finlay, Marlène van der Sterren (Chair), Dominic Cancian, Pamela Noal and David Stuart-Watt.



Committee meeting, May 2003.

Interested in getting involved?

...the call for nominations for vacant **Division Committee, College Board** and **National Congress** positions for 2012 will open from Monday 11 July 2011 – Friday 26 August 2011.

www.engineersaustralia.org.au/elections



ENGINEERS
AUSTRALIA

YOUR PROFESSIONAL DEVELOPMENT – DIARY DATES

Most events are held at EA Auditorium, Ground Floor, 8 Thomas Street, Chatswood with refreshments provided prior to the session. As events are subject to change or cancel at short notice, please check our website www.engineersaustralia.org.au/sydney/events for up-to-date information.

PLEASE NOTE: To view video streams and to download slides of selected Technical Presentations please visit Online CPD at our website: www.engineersaustralia.org.au/sydney/onlineCPD

AUGUST

Wed 17 Australasian Tunnelling Society

Introduction to the Revised Shotcrete Guide

Chatswood RSL,
446 Victoria Ave, Chatswood
17:30 for 18:00 to 19:30
Contact: ATS Sydney Division.
Email: ats.sydney@gmail.com

Wed 17 Society of Fire Safety Infrastructure

Auditorium
15:30 for 16:00 to 18:00
Contact: Peter Gardner
Email: Peter.Gardner@exova.com

Wed 17 Toastmasters, Sydney Division

Motivation
Roseville Memorial Club,
64 Pacific Highway, Roseville
19:00 to 21:15
Contact: Sandeep Mathur
Mobile: 0414300333

Fri 19 Women In Engineering Site visit to HMAS Success at Garden Island

Garden Island
Time: TBA
Contact: Julie Mikhail
Email: sydwie@engineersaustralia.org.au

Thurs 25 Joint Electrical Branch – Engineers Australia, IET, IEEE

Remote technology assisted voting in NSW – Electronic Voting

Auditorium
17:30 to 19:30
Contact: Allan Sangster
Email: allan.sangster@gmail.com

Fri 26 Engineers Australia Sydney Division

CPEng Workshop

Board Room
9:30 to 12:30
Contact: Julia Bresolin
Email: jbresolin@engineersaustralia.org.au

Sat 27 Engineers Australia Sydney Division

CPEng Workshop

Board Room
9:30 to 12:30
Contact: Julia Bresolin
Email: jbresolin@engineersaustralia.org.au

Tues 30 Civil and Structural Engineering Panel

Earthquakes: Lessons for Australian Design Practice

Zenith Theatre, Corner Railway & McIntosh Street
17:30 for 18:00 to 19:30
Contact: John Nichols
Email: JohnN@ccaa.com.au

SEPTEMBER

Thurs 1 Expressive Engineering Economists vs Engineers – NSW's infrastructure woes need economic solutions above engineering solutions

The Legislative Assembly, NSW Parliament House, Macquarie Street, Sydney.
17:30 for 18:00
Contact: Andrew Botros
Email: events@expressiveeng.com.au

Mon 5 Australian Society for Defence Engineering

An Introduction to the Design of Fighting Vehicles

Auditorium
17:30 for 18:00 to 19:30
Contact: Doug Roser
Email: dougroser@bigpond.com

Wed 7 Joint Institutions IMarEST & RINA

Marine Renewables – Mooring Design for Wave-energy Systems

Auditorium
18:00 for 18:30 to 20:00
Contact: Tauhid Rahman
Email: tauhid.rahman@dnv.com

Wed 7 Railway Technical Society of Australasia Syd Div Chapter

Port Botany and Freight Line Resignalling

Meeting Room, Central Station Concourse, Sydney
11:30 for 12:00
Contact: Katharina Gerstmann
Email: nsw-chair@rtsa.com.au

Thurs 8 Joint Electrical Branch – Engineers Australia, IET, IEEE

Electric Car

Lehany Theatre, NMI Lindfield Laboratory Bradfield Road, West Lindfield
17:30 for 18:00
Contact: Allan Sangster
Email: allan.sangster@gmail.com

Thurs 8 Young Engineers Australia, Sydney Division

YEAS Gala Dinner

Dockside Darling Harbour
Time: 7pm to 12pm
Contact: John van Rooyen
Email: jv_r@hotmail.com

Tues 13 Civil and Structural Engineering Panel

Timber Topic

Zenith Theatre, Corner Railway & McIntosh Street
17:30 for 18:00 to 19:30
Contact: John Nichols
Email: JohnN@ccaa.com.au

Tues 13 Risk Engineering Society

Perception Risk & Communication: How we communicate may affect how well others can assess risks

Auditorium
17:30 for 18:00 to 20:00
Contact: Ruben Welschen
Email: RubenW@scottlister.com

Wed 14 Australian Geomechanics Society, Sydney Chapter

51st Rankine Lecture: Geotechnical Stability Analysis

Auditorium
17:30 to 20:00
Contact: Hossein Taiebat
Email: h.taiebat@unsw.edu.au

Thurs 22 National Precast Concrete Association Australia

Precast Engineering for Graduates

Hanson Precast 214 Riverstone Parade, Riverstone, NSW
Contact: National Precast
Phone: 08 8178 0255

Thurs 22 Joint Electrical Branch – Engineers Australia, IET, IEEE

Technical Presentation

Auditorium
17:30 to 19:00
Contact: Allan Sangster
Email: allan.sangster@gmail.com