



ENGINEERS AUSTRALIA Victoria Division

ev engineers victoria

ONLY BUILT IN AUSTRALIA
PEOPLE THOUGHT WE SET OUT TO CHANGE PERCEPTIONS WITH
ENGINEERS BRIDGES
MAKE IT SO.

Inside
Make It So
Australian Engineering Week
2010 Engineering Leadership
Conference
Inaugural Chartered Status Forum

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A message from the State President ...



At midterm of the Victorian Division year, I am pleased to advise that Victoria Division and Victoria Division Committee are now well advanced on our 2011 program and many of our objectives put

forward in my last report are being realised. Being your President and both residing and working in regional Victoria, Horsham, is proving to be a privilege and challenge. However; I am ably supported by the Division Office staff and the members of the Division Committee.

As indicated in my March report, this year is to be focused on engagement of our members in division activities and indeed engagement with the Division Committee with our members wherever possible. I am pleased to advise that our program for community and industry engagement has been implemented and we have successfully incorporated Community Engagement meetings into our April, May and June meetings.

Engagement has included;

- Melbourne Airport Air Traffic Control Centre
- B.A.E. Williamstown Dockyard Complex
- Council House 2

The Division Committee look forward to this ongoing program of engagement and I would encourage any industry group and/or community/education group that will benefit from a visit by the Division Committee members to advise either myself, Nick Phillips and John McIntosh to enable such a visit to be placed on our agenda.

A new initiative by the Victoria Division and the National Office has been to arrange for monthly video conferences with our regional groups to provide opportunity for useful exchange of information and ideas. This initiative is now driven by the new Region Representative, Dr Andrew Price who has also joined the Division Committee to represent the Regions. This initiative is proving to be a great catalyst for ensuring that all members are able to access Division Committee and wider issues. Our Colleges and technical societies are also developing strong linkages across metro and regional groups. For example, the Structural Branch has offered to undertake presentations in the regions and already Bendigo region has benefited by this engagement and the Wimmera region is currently making arrangements to follow suit. On a National level, a new "special interest" national group for rural and regional engineers is in the process of being established.

The inaugural joint meeting of Victorian National Congress members and the Division

Committee was held in May. This is a new process to enable an exchange of views and ideas prior to each Congress meeting. The May meeting addressed the Bylaws Review revision of the Code of Ethics. The new Bylaws draft was in general accepted by the Victorian Division Committee however; I would commend all members to become aware of these proposals, they will be of ongoing influence on our Institution.

I am particularly pleased to report that Minister Pike has written to the Chair of the National Professional Engineers Board (NERB), Mr Rolfe Hartley, indicating the Victorian Government is supportive of the role and objectives of NERB and nominating Mr Tom Sargent FIEAust CPEng, Deputy Director, Public Transport, Safety and Asset Management, Department of Transport as Victorian Government representative on the Board. This will be the first time the Victorian Government is represented on NERB and we commend the Minister's response in addressing this issue.

In this year of Engineering Leadership and as a contribution to the acknowledgement of great engineers and leaders in our community, I have been privileged to make many presentations of a biography on the life of perhaps Victoria and Australia's greatest Engineer and Military Leader, Sir John Monash. This presentation of the biography of Sir John has been widely acclaimed by recipients. It is the intention of Victoria Division to continue to promote the contribution that John Monash made to engineering prior to the First World War and after his highly acclaimed military career during that war, including the establishment of the then State Electricity Commission. I will provide further details in the next edition of the newsletter. In the interim I commend to all in the profession that we acknowledge the role engineers, as leaders, play in our communities.

Particular mention however is made of the family country weekend to be held in Echuca the weekend of the 22 of October hosted by the Bendigo Regional Group, where Regional Groups and engineers based in Melbourne can get together in a relaxed family agenda to share the achievements and attractions offered by our regions. I again would commend members to consider attending the country family weekend in 2010.

In closing, I commend all Victorian Engineers to become more involved with Engineers Australia and to contact the division office to ensure that programs, activities and issues of interest are understood and I look forward to continuing to improve the engagement of Victorian Division with our membership during the coming months.

David Eltringham FIEAust CPEng
State President
vicpresident@engineersaustralia.org.au

Division Supporters 2010



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All information is correct at time of printing.
 Please check the website for the most up-to-date listings of events and programs.

Interested in getting involved?

...the call for nominations for vacant **Division Committee, College Board** and **National Congress** positions for 2011 will open from Monday 12 July 2010 – Friday 27 August 2010.

Look out for the call for nominations and election advertisements on the web site at www.engineersaustralia.org.au/elections.

Online voting for all vacant positions for 2011 will be between 4-29 October 2010.

This is your opportunity to not only benefit from an increased engineering network and to contribute to the governance of Engineers Australia, you will also have an opportunity to influence and to give something back to the profession.



www.engineersaustralia.org.au/elections

Engineers Make it so

Since its launch on February 15 2010, Australians have submitted almost 7,000 ideas in the 'Make it so' Competition, hoping their innovation will be 'made so' by an engineering team as part of Engineers Australia's Public Awareness Campaign.

The \$2 million 'Make it so' Public Awareness Campaign has proven to be widely successful, aiming to shift Australians' perceptions and increase understanding of the engineering profession. Make it so has impelled conversations and sparked excitement amongst the Australian public of the innovative and creative world of engineering.

No idea was too big or too small, too lofty or absurd – this world-first, public competition encouraged Australian's from all walks of life to jump on board and submit an idea for engineers and their teams to consider and turn into a reality.

Chief Executive, Peter Taylor, said most people had a low level of understanding about what the engineering profession involved, which was part of the reason why a decreasing number of young people choose to study engineering at university. "A long-standing shortage of engineers prompted the organisation to conduct research and launch a public awareness campaign," Peter said.

During the 12 week competition, Make it so received almost 7,000 idea submissions and over 75,000 visits to the site. A total 8,000 advocates signed up to support the campaign from Engineers Australia's membership and non-membership base. For the duration of the campaign, more than 150 pieces of coverage were achieved through nation-wide media. Make it so featured in everything from National broadsheets, regional and rural newspapers, on talkback radio, in lifestyle magazines, technical journals, as well as on blogs, facebook and twitter.

The overall selected idea will be revealed during Australian Engineering Week and the makeitso.org.au website will be the public face of engineering in Australia – promoting the profession, upcoming events and more. The site is already receiving thousands of new visitors each day.

The Make it so campaign, has taken the engineering profession to a more emotive and inspiring place by capturing people's imaginations and demonstrating how engineers listen to what people want, to turn wishes into reality to serve the community and their needs.

MAKE IT SO.

AUSTRALIAN ENGINEERING WEEK 2010

make it so.



GET BEHIND IT!

Australian Engineering Week is less than 8 weeks away. There will be hundreds of events happening around the country to celebrate engineering and raise awareness of its contributions to society.

If your organisation would like to get involved by hosting an event please email the Victorian Australian Engineering Week team at aewvic@engineersaustralia.org.au or contact 03 9329 8188.

To find out what events are on near you visit www.makeitso.org.au.

The full program of events will be available in July.

Australian Engineering Week: 2-9 August www.makeitso.org.au

SPOTLIGHT ON ... Victorian Division Transport Branch

Social inclusion: what is it, and why should engineers be interested in it?

This was the topic explored in a recent workshop run by the Engineers Australia Victorian Transport Branch, in partnership with the Victorian Local Governance Association (VLGA).

Traditionally, transport engineers have had a technical focus when planning and designing transport infrastructure. This workshop encouraged participants to think beyond technical issues and consider ways that we can make the design of transport systems more equitable for all members of the community.

Professor Graham Currie from Monash University's Institute of Transport Studies presented research from the UK which illustrated how people may feel socially excluded through lack of transport options. People may become isolated if they can't drive or afford a car, have limited public transport options, need to travel at times when transport is not available, are physically unable to travel or feel unsafe travelling. Professor Currie considered the Melbourne context and commented on the disparity between areas well-served by transport (typically the inner suburbs) and areas of highest social need (often on the urban fringe).

Kate Colvin from the Victorian Council of Social Service gave some personal examples of how people deal with social exclusion caused by lack of transport. She contrasted some of the issues faced by young people (don't have a driver's licence; no public transport at night) with those of senior citizens (may lose the ability to drive; confusion with ticketing and timetables). She also emphasised that design for people with disabilities should not only consider wheelchair users, but also the frail elderly, parents with prams and those with impaired vision or hearing.

Emily Simatos, Sally Semmens and Jenny Morris from the Department of Transport shared examples of current government policy development to support social inclusion in transport. The Department's Social Transit Unit has been specially set up to consider these issues.

Elias Lebbos from Traveller's Aid presented case studies of how the Traveller's Aid organisation facilitates the travel of people with special needs. With custom-designed facilities now installed at Southern Cross and Flinders Street Stations, Traveller's Aid provides fully-accessible toilets and change facilities, beds,



assistance for country and overseas travellers unfamiliar with Melbourne's transport system, travel and accommodation booking, and financial assistance for stranded travellers.

If you would like to find out more, you can download copies of the speakers' presentations from the Transport Branch web site: www.transportbranch.org. If you are interested in reading further on social transport topics, you may like to visit the web site operated by the Australian Transport and Social Inclusion Committee: www.sortclearinghouse.info.

Craig McPherson
Chair, Victorian Transport Branch

New engineering sector recruitment service draws wide and fast interest

Peter Taylor, Chief Executive of Engineers Australia, and Brian Russell, CEO of Brooklyn Group, launched Engineers Australia's new engineering sector recruitment service **engteam.com.au** at the 2010 national Engineering Leadership conference in Brisbane.

The **engteam.com.au** service has been established by Engineers Australia in response to growing needs across the profession to build skilled engineering teams.

The launch of the recruitment service **engteam.com.au** has drawn wide and fast interest with more than 1200 engineering professionals and over 40 employers registered within days of the launch of this new member service on Thursday 6 May.

A further increase in the existing shortages of engineers in Australia is expected over the next five years with an estimated 75,000 engineers retiring and only about 45,000 graduates coming through our tertiary institutions.

In his launch address, Peter said that, given Australia's current infrastructure demands, which include major transport, mining and building projects and the expanding pressures for green energy solutions for the resources sector, a new and solely engineering focused recruitment service will assist greatly in matching needs with demands. "The calls for more engineering talent continue to increase with the current skills shortages in many engineering sectors and predictions of further shortages across the board.

Ms Jutta Clark, Manager, Business & Recruitment Services, said that a significant bonus of the new service is that it offers employers the chance to identify and recruit the engineering practitioners they need in a more



efficient manner, but also at around one-third of the costs of normally incurred throughout the wider recruitment industry. **Engteam.com.au** is easier to use than traditional job boards, because the online tools allow employers and job seekers to manage and track their recruitment or job seeking progress.

Both employer and job seekers create profiles which are refined with the assistance of specialist engteam.com.au consultants to ensure all information is relevant and valid. Employers are then sent a shortlist of matched and personally screened applicants.

Further information is available at **www.engteam.com.au** or 1300 193 868 / 03 9008 8080.

Chartered Status

When you employ engineers with Chartered Status your company will benefit now and for many years to come. Engineers with Chartered Status, an internationally-recognised symbol of professionalism, are committed to keep pace with advancing engineering knowledge. Your stakeholders, customers and the community can be confident that Chartered practitioners represent the best in their field.

Only Engineers Australia grants Chartered Status, attained through our Professional Development Program. It gives your engineers the skills needed to build the reputation and bottom line of your company.

To learn more about how Engineers Australia can help, visit our website www.engineersaustralia.org.au or call 1300 653 113



Leadership Conference – Brisbane 2010

“Inspiring” is the first word that comes to mind when I think of the very well organised event that took place in the Brisbane Conference Centre on the 6th and 7th of May. It was a great display of engineering power covering large infrastructure projects, overview of large engineering organisations and their technologies. Topics covered a wide range of Leadership and Management aspects as well as discussions on ethics and interactive leadership workshops.

With presentations delivered by three simultaneous streams of speakers and venues packed with a switched on audience, the highlight for me has to be the passion of the Engineers without Borders of Daniel Almagor displaying a desire to use engineering skills to develop basic infrastructure for the underprivileged regions around the world.

I'd also recommend the “Tacit Knowledge” concept and related statistics by James Trevelyan from University of Western Australia showing the importance for developing professional skills and thus, the need for the professional body to carry this body of knowledge (collective knowledge).



Andy Olsen, AECOM, second from left, with Engineers Australia's Martin Dwyer, Prof Doug Hargreaves and Merv Lindsay, at the Leadership Conference.

Last but not least, this was an extraordinary networking opportunity maximised by the already well developed networking skills and inclination of the delegates, inspired by the nature of the conference which, by being co-hosted by YEA and CELM, was attended by the widest demographics that I have seen in an

engineering event. To add your comments on the conference find me on LinkedIn, and join the VicCELM networking group.

Ed Custeau
Chairman VicCELM

Fire Safety Engineers engage with the community. FREE Open-House Tours! Saturday and Sunday 17th and 18th July

The Society of Fire Safety (SFS) are embracing Engineers Australia's Community Engagement Domain in the new 5 year strategic plan.

As part of the Year of Engineering Leadership and the Make It So activities initiated by Engineers Australia, the Society of Fire Safety (SFS) is 'show and telling' some of our Fire Engineering innovations in the field of fire safety.

The Society is hosting 'open-house' guided tours of 4-6 buildings in the Melbourne area that have fire engineered solutions and Green Star ratings. These free open days are designed to engage both the profession and the public in a discussion on what constitutes good fire safety design in buildings.

Remember: Keep 17th and 18th July free!

More details and information will be posted on the SFS website www.sfs.au.com and through Engineers Australia publications.



ENGINEERS
AUSTRALIA
SOCIETY OF
FIRE SAFETY

Nominations invited for Victorian 2010 Young Professional Engineer Award



Are you under the age of 35? Do you want to be acknowledged and rewarded for your engineering achievements, or know someone that should be?

The 2010 Young Professional Engineer Award, proudly supported by VicRoads,

is an opportunity to highlight young professional engineers who have reached a high level of achievement and involvement in engineering and community affairs.

The Award acknowledges and rewards young engineering professionals who have a demonstrated understanding of the role and

purpose of the engineering profession in society; and proficiency in the use of leadership and communication skills in engineering projects; and realised competence and significant achievement in community affairs.

The winner of the Award will receive a cash prize of \$3,000. A High Commendation will also be presented and the recipient will receive a cash prize of \$1,500.

The Award will be presented on stage in front of a large audience of significant industry representatives at the Victorian Engineering Leadership Dinner to be held in October 2010.

The winner will also proceed to the National Award.

Nominations close 20 August 2010
Visit www.engineersaustralia.org.au/vicyoungengineeraward for more information.

Top 5 reasons to enter the 2010 Young Professional Engineer Award:

1. Professional recognition at State and National levels;
2. Superior networking opportunities;
3. Career portfolio development and presentation to industry peers;
4. Enhance your interview skills;
5. Improve your employability potential.

Proudly supported by





School program update

The *Discover Engineering* program has gained much interest from Victorian Secondary Schools throughout the state, with a total of 45 school requests to date. In 2009 Engineers Australia arranged 53 school visits through the year, with 2010 already being a huge improvement. Engineers Australia, Victoria Division is aiming at increasing the visit to over 70 by the end of the year. If you'd like to volunteer for the program and help in educating students on the world of engineering, contact Sandra Perrett, Youth Programs Coordinator on 9321 1725.

Recent Discover Engineering presentations:

Aquinas College	Firbank/Brighton Grammar School
The Knox School	Isik College
Aquinas College	Marcellin College
Lalor North Secondary College	Hillcrest Christian College
Lalor North Secondary College	Mt Waverley Secondary College
Siena College	Genazzano FCJ College
Sacre Coeur College	John Paul College
Box Hill Institute of TAFE	Ballarat Christian College
Methodist Ladies College	

Engineers Australia wishes to thank all our volunteers and their employers for their time and commitment to support this important program!

On campus

The Campus Coordinator Program is an initiative designed by Engineers Australia and the Young Engineers Australia (YEA) committee to establish a more permanent, supported and guided national network of on campus young engineers with a view to contributing to the professional and personal development of engineering students.

The role of a Campus Coordinator is to act as a campus representative of Engineers Australia. Campus Coordinators promote Engineers Australia activities, events and initiatives within universities among academic staff undergraduate and postgraduate students.

We would like to acknowledge and thank the current 2010 Campus Coordinators for their hard work and efforts:

The University of Melbourne	Thomas Apoyan & Mary Bernadette Daaboul
RMIT University	Andrew Morley, Lachlan McCrae & Jeremy Chan
Deakin University	Laurence Newcome & Alyssa Anne Willder
Victoria University	Tom Allan

If you're a student, and interested in participating in this program, contact Sandra Perrett on 9321 1725 for a copy of the 2010 Campus Coordinator Program Guidelines.

Celebrating student excellence – Engineers Australia Victorian Division University and TAFE Awards 2009

The Engineers Australia University and TAFE student awards are open to all final year engineering students, and are awarded on the basis of academic record and involvement in extra curricular activities and special projects. Engineers Australia would like to congratulate the 2009 winners who have been awarded this year at their University or TAFE Engineering Faculty Ceremony:

- **Deakin University (Geelong)** Kyle Nelson
- **The University of Melbourne 2009 L R East Prize Medal** Sudhir Laxman Raskutti
- **Monash University – 2009 Ian Langlands Medal** Wendy Ni
- **Swinburne University – 2009 WP Brown Medal** Timothy Joseph
- **Ballarat University – 2009 A E Stohr Award** Prajeesh Puthiya Veettill
- **Victoria University** Sean Kennan
- **Box Hill Institute of TAFE** Olivia Halls
- **Northern Melbourne Institute of TAFE (NMIT)** Matthew Terpkou
- **Swinburne TAFE** Nathaniel Golding

Each of these young engineers also received a copy of Sir John Monash's' biography signed by Mr David Eltringham, State President Victoria Division

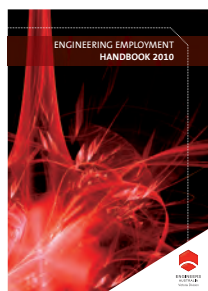
Congratulations to all these young engineers!

University of Melbourne Campus Co-Ordinator - Thomas William Apoyan



"Becoming an Engineers Australia Campus Co-ordinator has really given me a step up into the Engineering Industry. The role has been a great experience, giving me the opportunity to run and help organise a host of EA events where I've been able to meet a lot of people in the industry. It's given me the chance to see what's outside of the classroom in Engineering."

Victoria Division 2010 Employment Directory Now Available!



Engineers Australia, Victoria Division pleased to announce that the next edition of our Employment Directory is now available to members.

This year's version of the Directory has moved to an online format, allowing users to view listings relevant to their needs in a quick and easy manner, via a series of search boxes.

The Engineering Employment Directory is a free comprehensive resource designed to assist members in their search for vocational, graduate or professional employment opportunities.

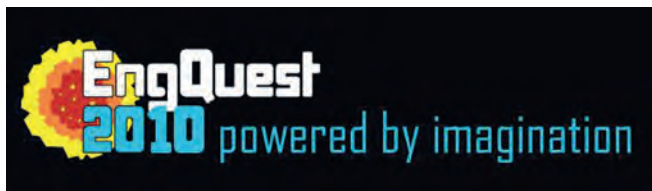
The Directory contains listings from over 175 organisations and each listing provides the organisations engineering disciplinary area of interest, the type of work available, application methods and closing dates.

Furthermore, the Directory contains valuable information on resume writing, job seeking strategies, cover letters and interview tips which

will assist members in their employment search.

Follow these 4 easy steps to access the Directory:

1. Visit www.engineersaustralia.org.au and login using your member username and password
2. Select the Professional Development tab, followed by the Career Planning & Advice tab
3. Click on Access the Career Planning & Advice member pages
4. Scroll to the bottom of the page and you will find the Employment Directory.



ENGQUEST 2010 – Help us Spread the word www.engquest.org.au

EngQuest is Engineers Australia's free primary school outreach program designed to get students excited about engineering, whilst also linking to school's curriculum in maths, science and technology.

The 2010 EngQuest site contains new and exciting features, including a new flash animation student-entry point, games and quizzes, 3D photo galleries and the site is 100% compatible with interactive white boards used in classrooms. EngQuest, for the first time, is expanding to include middle schools – years 7 and 8.

Help us promote the program by introducing it into your local primary school or perhaps your child's school? The EngQuest team are able to assist Engineers Australia's members in conducting school visits allowing engineers to interact with the students, helping them design and construct innovative engineering models.

To find out more on how you can promote the program in your local school, email the EngQuest team at engquest@engineersaustralia.org.au

Members of Engineers Australia are able to volunteer to visit schools, help assess online submissions or answer questions on the 'Ask an Engineer' forum. Volunteers are asked to visit the EngQuest site to register.

In the long run, EngQuest aims to provide students with an insight into the dynamic profession of engineering, which will hopefully one day lead to them choosing a career in engineering – helping to lessen the serious skills shortage within Australia.

EngQuest update: another successful year for EngQuest with over 9190 students participating, 1887 of them from Victoria. EngQuest provides an exciting way for students to participate in free,

fun, educational engineering activities involving mathematics, science and technology.

What teachers are saying about EngQuest:

- 98% of participating teachers surveyed stated that EngQuest had helped their students achieve curriculum outcomes in maths, science and technology,
- 96% of those surveyed stated that the teacher background information and resources available were very useful,
- 90% of those surveyed stated they were likely to participate in EngQuest again in the future.

EngQuest ends October 27 2010

Enquiries contact the National Coordinator: Sara Ross (02) 62706596
Or email engquest@engineersaustralia.org.au

Engineering Expo 2010 – A Record Breaking Success



Following the success of the Engineering Careers Expo in previous years, Engineers Australia, Victoria Division delivered another outstanding exhibition that served to not only promote employment opportunities in engineering but also celebrate Victorian engineering excellence and advocate the importance of engineering leadership within the profession.

The 2010 Engineering Expo, held at the Melbourne Convention and Exhibition Centre on 25 March 2010, saw 74 organisations

exhibit at the Expo to a record attendance of over 8,000 enthusiastic attendees.

The Expo provided current and aspiring engineers the opportunity to network with colleagues, peers and prospective employers as well as access professional recruitment advice.

Running concurrently alongside the Expo were 15 free industry information seminars, with each presentation attended to full capacity.



L-r: The team from GE with Engineers Australia, Victoria Division Executive Director, Glenda Graham and State President, David Eltringham.



International speaker Bob Gilligan Vice President, Digital Energy GE.

The 2010 Engineering Expo was the largest attended Engineering Expo held throughout Australia. The event recorded a great attendance and despite a relatively difficult economic time, saw significant support from industry. This was one event to remember!

The success of this event can be attributed to the support received from key sponsors – GE and Engineering Education Australia.

Senior Engineers Group Update

The Senior Engineers Group (SEG) was authorized by the Division Committee to be formed as a support resource for Victoria Division; it commenced its operational activities in July, 2009 when Dr Max Lay, AM assembled a panel of eminent engineers in a discussion on how semi-retired and retired engineers can keep abreast of what is happening in their professional disciplines.

Since that event, the SEG has hosted eminent speakers including Dr Brian Lloyd, AM, Professor David Beanland and Professor Douglas Hargreaves, National President presenting on issues that exemplify the objectives of the SEG.

SEG membership is open and free, and engineers, technologists and

associates of Engineers Australia who are 50-years of age and over are encouraged to participate. Eligible professional engineers can allocate time spent at the meetings and site visits towards Continuing Professional Development.

Details on SEG objectives and potential activities are to be found on the SEG website accessed at Engineers Australia (Victoria Division), Groups.

The SEG is open to hear from speakers willing to present to its members or to engage in joint presentations and site visits.

For further information about SEG activities, contact Adele Fitzpatrick at Engineers Australia (Victoria Division) or the SEG Convenor, Dr Ian Kerr.

The Chartered Status Handbook – how is it relevant for new graduates just starting in their jobs?

Everybody who has attended an information session about Chartered Status in Engineering has some idea of the competency-based assessment process and the competency framework in the Chartered Status Handbook. They know they need to gain work experience first, then progressively write Career Episode Reports (CERs) on their experience to submit to Engineers Australia for assessment, to progress towards achieving Chartered Status.

However, how is the Handbook relevant to those in the engineering team who have not yet undergone the experience they later need to write about?

The answer is quite simple. The competency framework provides a gap analysis for the

knowledge, skills and competencies that need to be developed and exercised to develop you as an engineering professional.

The framework contains a variety of processes that can be viewed as a “how to do the job at hand”. Combining this guide direction and support from managers and experienced peers will support a thorough understanding of how to perform your work responsibly.

For example, Unit C2, entitled *Engineering Planning and Design*, states 6 Competency Elements which outline the planning and design process, along with their Defining Activities that describe what is involved in performing that process. An engineer may be working on a design that may involve all or some of these

process elements and their activities.

Another example is Unit E4B, entitled *Investigation and Reporting*. This unit outlines what is involved in carrying out an investigation and generating the subsequent report.

The advantages in using the Handbook as a reference to support the work you are about to do is two-fold. Firstly, it supports direction and supervision from your manager on how to perform the work at hand, and secondly, once you have performed the work, you have a good understanding of what to write up for your next Career Episode Report to progress towards achieving your Chartered Status.

Rowan Crosbie-Gould
Victorian Industry Manager

Developing Graduate Engineers into Professional Engineers

Irrespective of how we define the word ‘professional’, we would all agree that the first four years of a graduate engineers career provides the foundation for all future engineering endeavours. One might even go as far as saying that the ‘first’ employer has the responsibility to set and maintain a standard that represents the ‘professionalism’ that we as the engineering community come to expect. This starts with the simple things like punctuality, reliability, and attitude. It then moves into the more complex like engineering planning and design, business acumen and ethics. So when faced with the challenge 18 months ago, to come up with a structured, detailed and practical graduate program for the engineering profession, Engineering Education Australia (EEA) soon realised that we were faced with the task of finding out what made a professional engineer and with that in mind we quickly established the outcome of The Graduate Program

in Engineering was to develop graduate engineers into professional engineers.

What at first appeared to be a very simple outcome soon became noticeably complex as we began our journey of conversations with graduate engineers, engineering managers, HR practitioner, general managers, directors and CEOs from hundreds of different engineering organisations around Australia. In fact, wrapped up in hours of conversations and debates were a series of common factors that needed to be simplified without diluting the very essence of what was required to develop a graduate engineer into a professional engineer. We very quickly found that: a graduate engineer is seeking Chartered Status, professional development and a manager/mentor relationship to give them a strong foundation for their early career development; an engineering manager is looking to build a reliable and professional

team with the outcome of high performance in mind; an engineering organisation is focused on building the necessary professional credentials and capability to face the challenging global world of engineering.

In viewing the objectives of each of the three parties (the graduate engineer, the engineering manager and the engineering organisation) under the microscope it became very clear that the investment that the engineering profession makes in its graduate engineers is not one purely of financial consideration, but rather one of providing opportunity, experience, professional development, support and recognition of contribution to the engineering team. Based on this, The Graduate Program in Engineering represents the experience that a graduate engineer gets in the workplace, professional development through structured learning modules, the support of their colleagues and workplace managers/mentors and the recognition of competence through Chartered Status. The end result is a three-year structured

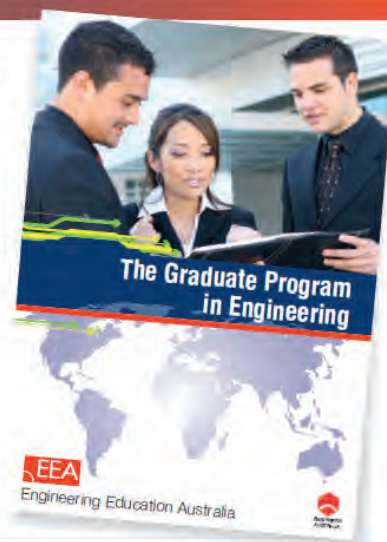
program that involves the graduate engineer, the engineering manager and the engineering organisation and is underpinned by a learning contract and built around the graduate engineer solving a real ‘organisational issue’ through a work based project. This unique delivery model has now been introduced to 76 engineers from 9 different engineering organisations in 4 locations around Australia.

For more information on The Graduate Program in Engineering please visit www.eeaust.com.au or contact Engineering Education Australia on email info@eeaust.com.au or telephone 03 9274 9600.

The Graduate Program in Engineering

The Graduate Program in Engineering is a unique delivery partnership that works hand-in-hand with an organisation, its managers and its graduates to develop graduate engineers into professional engineers.

If you are an engineer with between 1-4 years experience you will want to find out more about this program at www.eeaust.com.au



Please visit us at www.eeaust.com.au or email us on graduateprogram@eeaust.com.au for more information about The Graduate Program in Engineering.



Engineering Education Australia



ENGINEERS AUSTRALIA

Recent developments to ePDP functionality

Professional Development Program participants can now upload their Word or PDF-version Career Episode Reports (CERs) directly to their profile in ePDP prior to submission.

Since all CERs submitted for continuous assessment need to be recorded online before being posted to the participants' national assessor, this upgrade will give participants the option of uploading their document to

the website as an alternative to cutting and pasting text into the narrative box.

The Professional Development Program is the only pathway to gaining Chartered Status which incorporates continuous assessment of individual CERs.

For further information on this development or to register as a participant on the program contact pdpadmin@engineersaustralia.org.au.

Inaugural Chartered Status Forum

In February, about 80 enthusiastic young engineers (including many of the YEA National Committee) turned up for YEA-V's inaugural Chartered Status Forum. The forum was held to encourage engineers in their quest to gain chartered status and provide some useful strategies for doing so.

After networking, the night started with presentations from young engineers about how they progressed through the process. These presentations outlined the different options available to engineers trying to gain Chartered Status as well as some insights into the process. There was a discussion about the differences between trying to achieve Chartered Status when your company does not have a Professional Development Program as well as when they do. This was an interesting comparison and showed that, although engineers can become Chartered without being on a PDP, it is a lot more challenging for the individual.

Presentations from recently Chartered engineers demonstrated the benefits of gaining Chartered Status as well as some tips about how to write Career Episode Reports. It was interesting to

hear that it is just as important to show that you learnt from the mistakes you make as much as delivering on a successful project.

Following the four presentations there was discussion between the audience and a panel of speakers, which helped to answer a number of questions that the audience had about the Chartered Status process. During the evening, it was announced that YEA-V would be setting up study groups, facilitated by Chartered engineers, to help engineers write and submit their career episode reports. If you would like more information please email yeavic@engineersaustralia.org.au.

The powerpoint presentation as well as video from the evening will be available from the YEA-V website. Further tips about Chartered Status will also be posted on the YEA-V blog (<http://engineersaustralia.typepad.com/yeav/>) so feel free to contribute your ideas!

Finally, my last comment on the whole night, and possibly one of the most important points that came out of the event, is that when you're writing your career episode reports you need to write them in the first person, as I just did!

Australia's most inspiring young engineers!

Kathryn Smith



Whether it's at home or overseas, Kathryn Smith, 27, is one engineer living up to the ethos of 2010's Year of Engineering Leadership. With a host of achievements to her name, it's no surprise Kathryn was recently highly commended for Australia's Most Inspiring Young Engineers Award. A Centre for Engineering Leadership and Management (CELM) initiative, Kathryn is among eight young engineers to receive high commendations.

Despite the accomplishment, Kathryn said she was both "humbled and honoured" to be nominated and highly commended, also noting the calibre of her fellow contenders. "It was really inspiring to read the other nominations; they are all such amazing people," she said

When asked about the importance of this award, Kathryn flagged the substantial role engineers play in the community. "Being an engineer is also a big responsibility. We should always be striving to be at the forefront of community development and building connections with the community," she said Both at home and overseas, Kathryn remains a strong ambassador for engineering leadership. She has lived in a Cambodian village for 6 months as a water and sanitation engineer, improving a ceramic water filter factory. The project also involved training people from various countries to start up their own factories and engage in appropriate development. Kathryn identified this project as a career highlight as it opened her eyes to the social aspect of engineering.

Kathryn also highlighted some of her more local projects as particularly rewarding; especially her involvement with schools, saying that a lot of what she does is about building awareness. "People often don't understand what it's about and the impact you can have on society as an engineer. To say to kids that the desalination plant you get your drinking water from, or that bridge you walk on, is the work of engineers really excites them."

The aim of the year is to recognise and celebrate leaders within the engineering team and demonstrate how engineers are ambassadors in shaping the future, through providing inspiring, sustainable and innovative solutions to society's challenges. Kathryn is a prime example of the innovation and foresight the Year of Engineering Leadership demands.

Congratulations to Chartered members

Engineers Australia, Victoria Division would like to congratulate the following members who have recently gained Chartered Status:

Mr	Paul	Bertolucci	MIEAust CPEng
Mr	Greg	Borkowski	MIEAust CPEng
Mr	James	Hamson	MIEAust CPEng
Ms	Fiona	Ince	MIEAust CPEng
Mr	Predrag	Isailovic	MIEAust CPEng
Mr	Mark	Judge	MIEAust CPEng
Mr	Matthew	Lloyd-Smith	MIEAust CPEng
FLTL	Alice	Paton	MIEAust CPEng
Mr	Timothy	Randell	MIEAust CPEng
Mr	Luke	Robinson	MIEAust CPEng
Mr	Julian	Shortt	MIEAust CPEng
Ms	Sharon	Tissai-Krishna	MIEAust CPEng

Congratulations to Fellows members

Engineers Australia, Victoria Division would also like to congratulate the following members who have recently been made Fellows of Engineers Australia:

Dr	Seifu	Bekele	FIEAust
Mrs	Dianne	Boddy	FIEAust CPEng (Retired)
Ms	Philippa	Connolly	FIEAust CPEng
Mr	Leigh	Coutie	FIEAust CPEng
Prof	Ana	Deletic	FIEAust
Mr	Paul	England	FIEAust CPEng
Dr	Ranjith	Pathegama Gamage	FIEAust
Mr	Harry Rex	Ghaffari	FIEAust
Mr	Garry	Harwood	FIEAust
Mr	Patrick	Irwin	FIEAust CPEng
Mr	Kok	Khim Lim	FIEAust CPEng
Ms	Madeleine	McManus	FIEAust
Mr	Derek	Powell	FIEAust CPEng
Mr	Thomas	Sargant	FIEAust CPEng
Ms	Kate	Vinot	FIEAust
Prof	Jeffrey	Walker	FIEAust
Mr	Gregory	Woodruff	FIEAust CPEng
Mr	David	Yeouhart	FIEAust
Mr	Matteo	Zema	FIEAust

All About You!

Ben Aldham



Volunteer Involvement:
Young Engineers Australia, Victoria Division Committee 2008-Current (Chair 2009-2010).
Young Engineers Australia National Committee 2010 –

Current Victorian Representative

Job Title: Research Engineer

Company: CSIRO (Commonwealth Scientific & Industrial Research Organisation)

Did you always want to be an engineer? Yes, I have always enjoyed taking things apart (occasionally putting them back together) and solving problems. I found out that Engineers get bigger toys than scientists so I went with engineering.

If you weren't an engineer, what would you be doing? I think I would be a Chef, I spent most of my Uni career working in restaurants and still enjoy trying new recipes. One day I might pursue an idea of a fellow engineer Mark Williams, a cookbook written for engineers including items such as Gant charts, process flow diagrams, a bill of materials, Piping and Instrument diagrams etc.

Name one of the most exciting projects you have worked on: Testing stent grafts, to determine the most effective way for the surgeons to implant stents with the minimum amount of leakage. Involved designing a pusatile pump system to replicate human conditions

What prompted you to become a member of EA and what are the main benefits for you? My current Boss is a fellow of EA and he suggested I attend a YEA-V event, I really enjoyed it and have been involved ever since. The main benefits for me are the interesting people you get to meet and the continued professional development both the technical and business skills.

Favourite engineering feat: I found this question very hard as there are so many to choose from I thought I would go with

something Australian and something that improves people's lives the two that stood out for me using this criteria where the Esky and the Cochlear implant, being very close to someone with a hearing impairment the winner for me is the implant.

What do you enjoy doing in your spare time: At the moment I don't have much as I'm studying for my MBA and writing my CERs for Chartered status, but on the odd occasion I do, I like playing tennis, cooking, watching footy and catching up with friends..

Dream job: Venture Capitalist, being able to turn great ideas into a commercial reality, I think would be very rewarding.

3 words to best describe you: Honest, Positive and Short.

What makes you laugh? My brother, he is a clown (he really is) and the politically incorrect questions children ask.

Favourite quote: If we knew what it was we were doing, it would not be called research, would it? *Albert Einstein*.

Favourite movie: Old School or Gladiator (the opening scene is awesome).

YEA-V Update

As the current YEA-V committee hands over to a new committee, I have taken this opportunity to look back at what Young Engineers Victoria has accomplished over the past year. YEA-V continued to deliver great value and opportunities to members through a variety of events: the annual Generation Exchange Dinner, site visits to Waubra Wind Farm and Visy recycling plant, Speed Networking and workshops such as Presentation Skills to name a few.

YEA-V this year aimed to give members a greater voice and access to wider networks by creating stronger links with other Engineers Australia groups and by partnering with other professional organisations such as the Young Water Professionals (YWP) and Engineers Without Borders (EWB) for key events.

To engage regional young engineers, a regional representative was appointed to the committee.

YEA-V have started to implement a plan to gain greater involvement from regional members and assist regional groups deliver services to young engineers.

The past year has seen the running of several events in regional areas, such as the Southern Rural Water tour and A Night at the Races in Shepparton.

New Chartered engineers were recognised at the inaugural YEA-V Chartered Status Ceremony in February 2010. Furthermore, young engineers on the pathway to Chartered Status continue to be supported by YEA-V through the Chartered Status Forum and Chartered Status study groups.

The next Chartered Status Ceremony will be held on Thursday, 25 August at which those engineers who have achieved Chartered Status in the past six months will be recognised.

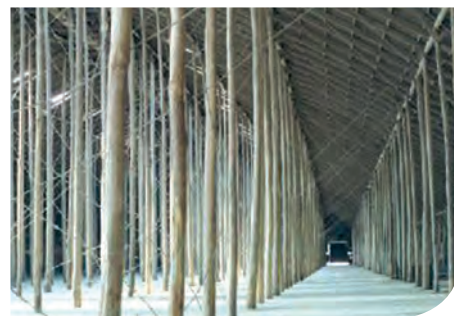
I would like to thank the committee for all their hard work and congratulate the new committee on their election. I'm sure they will continue to deliver great opportunities for young engineers in Victoria.

Please contact YEA-V at yeavic@engineersaustralia.org.au if you have any queries about YEA-V activities.

Ben Aldham
2009-10 YEA-V Chair

Engineers Heritage Victoria Update – Murtoa Stick Shed

The Murtoa Stick Shed was built in 1941 as a temporary, low-cost storage facility for bulk wheat, which at that stage of World War II was piling up awaiting export. The shed could accommodate 100,000 tons of wheat and measures 260 m long and 60 m wide. The shed is regarded as the largest rustically-built structure in the world.



The interior of the structure shows the light nature of the construction and the surreal "forest" of posts.

The shed was constructed with available materials at the time in the middle of the War. There are 560 columns in the building, up to 20 m high, each consisting of a slender mountain ash tree trunk. The shed has a concrete floor and a corrugated iron roof. It is now the last of several similar buildings built in Southern and Western Australia and is listed by Heritage Victoria.

The structure is under threat as local farmers and farming organisations believe that the shed is obstructing their ability to store and move wheat through the road/rail wheat terminal in which the shed is located.

Engineering Heritage Victoria recognises the significance of the Murtoa Stick Shed and its innovative engineering structure and supports the Heritage Council and Heritage Victoria in working to retain this important heritage building. It is also understood that a nomination is in progress for the Australian Heritage List.

Engineering Heritage Victoria is considering arranging a field visit to Murtoa to inspect the Stick Shed and other engineering heritage sites at Murtoa.

The State Government has allocated funds to carry out repairs to the building this year. The building has some damaged sections and this is adding to the case of those who are actively promoting the destruction of the building.

Owen Peake
EHV

News from the Regions ...

Goulburn Valley Group Update

The Goulburn Valley Group of Engineers Australia has held a mixture of different events to date this year. Three lunch presentations have been held including; Nagambie By-pass on 23 April, which gave insights by Vic Roads into the planning, fast tracking, route selection and engagement of contractors of the section freeway currently under construction; Northern Sustainable Water Strategy on 14 May, presented by DSE on the process to develop a strategy to deliver more security and flexibility for all water users in the region; Eastlink on 27 May by ConnectEast on the construction and partnership arrangements to deliver one of Melbourne's busiest and safest roads. A site visit to Mooroopna Primary School was held on 9 March to inspect the new building under construction as part of Build Education Revolution initiative. Representative from the group attended a university careers expo on 25 March in Melbourne to promote the benefits and opportunities available working in the Goulburn Valley Region and a local career fair to promote engineering as a career option to high school students.

The Annual General Meeting Dinner is to be held again during Engineering Week with details below:

Date: 5 August

Time: 6pm

Event Title: Annual General Meeting Dinner

Speaker: Comedian Greg Champion

Venue: Shepparton Golf Club

Contact Julie Murrell at jmurrell@skm.com.au for further information.

Wimmera Group Update

The Wimmera Group has had two meetings so far this year. The first in March involved an inspection of a land rehabilitation project in highly erodible hill country located between Stawell and Ararat.

The second meeting involved an inspection of embankment rehabilitation works at Taylors Lake, one of the key headworks to the extensive Wimmera Mallee Pipeline. Also inspected during this visit was the new Taylors Lake Pump station also located at the Lake. This pump station is close to completion and will be the last asset built as part of Australia's largest rural water infrastructure project.

The Wimmera Group has had close involvement with the pipeline project, visiting and receiving presentations on the many engineering related aspects of the design and construction. The project was officially opened in Horsham on Thursday 15 April. Engineers Australia was represented at the opening by State President David Eltringham, outgoing State President Madeleine McManus, Division Committee Member and President of the Geelong Group Andrew Price and Wimmera Group President Peter Jackson.

Wimmera Mallee Pipeline

Last month Australia's largest rural water supply infrastructure project, the Wimmera Mallee Pipeline was opened with much celebration in Horsham. Described by the community as the most exciting project in our region's history, the opening was celebrated on a beautiful autumn day by the river and seated at the Horsham Soundshell, The Premier, Minister Holding and Minister Joe Helper were and Jeff Rigby, a Fellow and CEO of GWM Water were joined by leading members of the local community, school children of the area and members of the VDC, including President David Eltringham, Immediate Past President Madeleine McManus and Regional Representative, Andrew Price.

The guests were treated to a welcome to country from elder Auntie Nancy Harrison, presentations from Jeff Rigby and the Premier and songs from the local school children. Fish were released by the guests into the waterway, whilst the crowd was treated to a bbq celebration. It was an outstanding way to celebrate the opening of the project and the fact that the project delivers sustainable water management for Western Victoria and has reinvigorated farming, local and commercial interests as water supply is now assured.

Recognised by the Engineering profession with the awarding of an Engineering Excellence Award for Infrastructure in 2009, the project replaced some 18,000 km of inefficient earthen channels with approximately 8,800km of pressurised trunk and distribution pipeline, and related storage facilities and pump stations, all managed by electronic surveillance and

remote control systems. The project has been able to respond to the challenges of drought and has delivered fast tracked timelines, delivering the project in half the time. To achieve this, many innovative approaches were applied to construction issues and methods of flexible solutions in design were also applied, all in a cost effective manner. The resulting outcome is delivering an outstanding Project for the community that will ensure sustained growth in the region. Congratulations to all of those who were involved in delivering this milestone project for Victoria, and the locals can

North East Group Update

The North East Group has been established for a little more than a year. Including the inaugural dinner in March 2009, we have had seven functions – one every two months. These have all been dinner meetings, with a guest speaker. Some of the topics have been Carbon Pollution Reduction Schemes, Bushfire Reconstruction and the Northern Victoria Irrigation Renewal Project.

We will miss our Treasurer from the beginning of the Group, David Ridderhof, who is moving to Tasmania very soon. We would like to congratulate David for his valuable contribution to our smooth operation, and thank Al Heffron for taking on the job.

We have decided to invest in a very flexible portable wireless PA system which can be used indoors for functions in a restaurant or hall, or can be battery operated outdoors for al fresco events.

The new PA system had its first try-out at our most recent and very successful event held at a Wangaratta restaurant on 12th May. Nearly 70 people attended for an excellent two-course dinner and to listen to Andrew Lang, an agricultural scientist and farm forester who is a board member of the World Bioenergy Association representing the South Pacific Region. He has been awarded both Churchill and Gottstein Fellowships and studied the use of municipal, agricultural and woody wastes, including forest thinnings, as an energy source in Scandinavia. He showed us how the Scandinavians can produce 20% or more of their electricity needs from these sources, and he believes we can do the same within 15 years if we have the will. A graph from Sweden showed us how bioenergy use had increased mightily from 1990 to 2007 with a parallel increase in GDP and a moderate decrease in climate affecting gas emissions. No proof that one was consequent on the other of course, but it did provide food for thought!

**Margret Doring FIEAust CPEng,
Chair, North East Group**

Ballarat Group Update

Our Year 10 encouragement award has now finished the 2009 winners. The last schools to organise a presentation were Loreto (all girls) Ballarat High School, and St Patrick's (all boys). Photos of the Loreto and St Pat's winners are identified in their titles.

We also presented the 2009 AE Stohr award on 4th June to Mr Prajeesh Puthiyaveetil at a University awards ceremony.

Also our most recent event was a site visit to Maxitrans, who manufacture LARGE trailers for the road freight industry. Each trailer is custom built to client specifications, and extensive use of CNC controlled plasma and laser cutting is used to form the individual components required for each trailer. The trailers are completely fabricated at Maxitrans, from chassis to painting, wiring and fitting suspensions, gates, side etc as required. Our host Greg Brown is wearing the orange safety vest as the group stands before a refrigerated trailer under construction.

Future events include a visit to the Amcor aluminium can top factory on 24th June. They form the tops of the millions of cans with integrated ring pull used each days.

Another event scheduled is a trip to the White Swan reservoir which supplies drinking water to Ballarat, with a dinner presentation on a civil project, (replacing aged sewers in Ballarat South). This visit is scheduled for 22nd July.

A visit to the Anthony's Cutting bypass has been scheduled for 26th August (around midday), details to follow. This is possibly a joint event with IPWEA who have been invited to attend. In August, our group will attend at the Ballarat Careers Expo to promote engineering to secondary students.

September sees the Technologist's Picnic which is proposed to be a presentation on the Australian Synchrotron.

Continuing Professional Development (CPD)

Victoria 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 careers.

The streams we have identified are as outlined below. We encourage you to participate in these activities and remind you that we have a range of presentations now available online at <http://ea.mediavisionz.com.au/vic>

Technical Development

Date	Time	Event	Venue	Host
21 June	8.30am	Engineering Education Australia: Breakthrough Strategies for Professional Women	Engineering House	Engineering Education Australia
21 June	6.00pm	Overseas Skilled Migrant Group Technical Seminar: How EA Membership can make you more employable.	Engineering House	Overseas Qualified Engineers Group
21 June	6.00pm	EEEVic Technical Seminar	Engineering House	EEEVic
22 June	6.30pm	ACES Seminar: Estimating Project Costs	Engineering House	ACES
22 June	6.00pm	Civil Infrastructure Branch Technical Seminar: Managing a Design Office	Engineering House	Civil Infrastructure Branch
23 June	5.30pm	YEA-V: Chartered Status Study Group	Engineering House	YEA-V
24-June	6.00pm	Process of Becoming Chartered Presentation	Engineering House	Engineers Australia
24 June	6.00pm	AFEA Technical Seminar	Engineering House	AFEA
24 June	6.00pm	Water Engineering Branch Technical Seminar	Engineering House	Water Engineering Branch
25 June	9.00am	Introduction to Precast for Structural Engineers Seminars	Rydges	Structural Engineers Branch
26 June	9.30am	YEA-V & Engineers Without Borders Workshop: Pathways to Development	Engineers Without Borders	YEA-V
28 June	6.00pm	SSEE Technical Seminar	Engineering House	SSEE
29 June	6.00pm	IEEE Computer Society Chapter Talk	Engineering House	IEEE
30 June	6.00pm	Australasian Tunnelling Society Technical Seminar	Engineering House	Australasian Tunnelling Society
06 July	6.00pm	Civil Branch Eminent Speaker Program - presented by 2009 Civil Engineer of the Year	Engineering House	Engineers Australia
07 July	9.00am	Construction Induction Course	Engineering House	Engineers Australia
07 July	5.00pm	CIBSE Technical Seminar: Acoustics/Vibration Isolation Seminar	Engineering House	CIBSE
08 July	6.00pm	Asset Management Technical Seminar	Engineering House	Asset Management Group
12 July	6.00pm	Royal Aeronautical Society Technical Seminar	Engineering House	Royal Aeronautical Society
13 July	5.30pm	Structural Branch Technical Seminar: Design guide to Industrial floors and pavements.	Engineering House	Structural Branch
14 July	6.00pm	RTSA Technical Seminar: Presentation on Adelaide Rail and Light Rail Developments.	Engineering House	RTSA
14 July	6.00pm	Australian Geomechanical Society Technical Seminar: Soil Logging Course.	Engineering House	Australian Geomechanical Society
19 July	6.00pm	Overseas Skilled Migrant Group Technical Seminar: Resumes for the Australian Job Market	Engineering House	Engineers Australia
19 July	6.00pm	EEEVic Technical Seminar	Engineering House	EEEVic
20 July	5.30pm	Biomedical College Technical Seminar	Engineering House	Biomedical College
20 July	6.00pm	Vic CELM Eminent Speaker Program: Engineering Skills and Leadership - The Secret to Excellence in Other Professions.	Engineering House	CELM
20 July	6.00pm	Mechanical Branch Technical Seminar	Engineering House	Mechanical Branch
21 July	6.00pm	JVCEC Technical Seminar	Engineering House	JVCEC
22 July	TBA	Ballarat Group Site Visit: White Swan Water Filtration Plant	Site Visit	Ballarat Group
22 July	6.00pm	AFEA Technical Seminar	Engineering House	AFEA
26 July	6.00pm	SSEE Technical Seminar	Engineering House	SSEE
28 July	6.00pm	How to Write A Career Episode Report Workshop	Engineering House	Engineers Australia
29 July	6.00pm	Water Engineering Branch Technical Seminar	Engineering House	Water Engineering Branch
02 Aug		Australian Engineering Week – Monday 2 August to Friday 6 August	Victoria Wide	Engineers Australia
03 Aug	2.00pm	Senior Engineers Group Seminar	Engineering House	Senior Engineers Group Seminar
04 Aug	6.00pm	CIBSE: Renewable Energy Sources, Biomass, Solar and Wind (Monodraft)	Engineering House	CIBSE
09 Aug	6.00pm	Royal Aeronautical Society Technical Seminar	Engineering House	Royal Aeronautical Society
10 Aug	9.00am	CELM: Influencing Skills Workshop	Engineering House	CELM
10 Aug	5.30pm	Structural Branch Technical Seminar	Engineering House	Structural Branch
11 Aug	6.00pm	Risk Engineering Society Technical Seminar	Engineering House	Risk Engineering Society
11 Aug	6.00pm	Australian Geomechanical Society Technical Seminar	Engineering House	Australian Geomechanical Society
12 Aug	6.00pm	Asset Management Technical Seminar	Engineering House	Asset Management Group
13 Aug	9.00am	Construction Induction Course	Engineering House	Engineers Australia
16 Aug	6.00pm	Overseas Skilled Migrant Group Technical Seminar	Engineering House	Engineers Australia
16 Aug	6.00pm	EEEVic Technical Seminar: Duigan and the centenary of the first Australian designed and built aeroplane.	Engineering House	EEEVic
17 Aug	5.30pm	ACES Seminar: Careers in Project Control	Engineering House	ACES
17 Aug	5.30pm	Biomedical College Technical Seminar	Engineering House	Biomedical College
17 Aug	6.00pm	YEA-V: Leadership and Project Management Seminar	Engineering House	YEA-V
17 Aug	6.00pm	Australian Cost Engineering Society Board Meeting	TBC	ACES
17 Aug	6.00pm	CELM Eminent Speaker Program: On being at the Cutting Edge of Engineering and Corporate Leadership	Engineering House	CELM
18 Aug	6.00pm	RTSA Technical Seminar: Regional Rail Link	Engineering House	RTSA
19 Aug	5.30pm	EHV Technical Seminar	Engineering House	EHV
19 Aug	6.30pm	Society of Fire Safety Technical Seminar	Engineering House	Society of Fire Safety

Professional Development Program

Date	Time	Event	Venue	Host
24 June	6.00pm	Process of Becoming Chartered Presentation	Engineering House	Engineers Australia
28 July	6.00pm	How to Write A Career Episode Report Workshop	Engineering House	Engineers Australia
12 Aug	6.00pm	Process of Becoming Chartered Presentation	Engineering House	Engineers Australia
25 Aug	6.00pm	How to Write A Career Episode Report Workshop	Engineering House	Engineers Australia