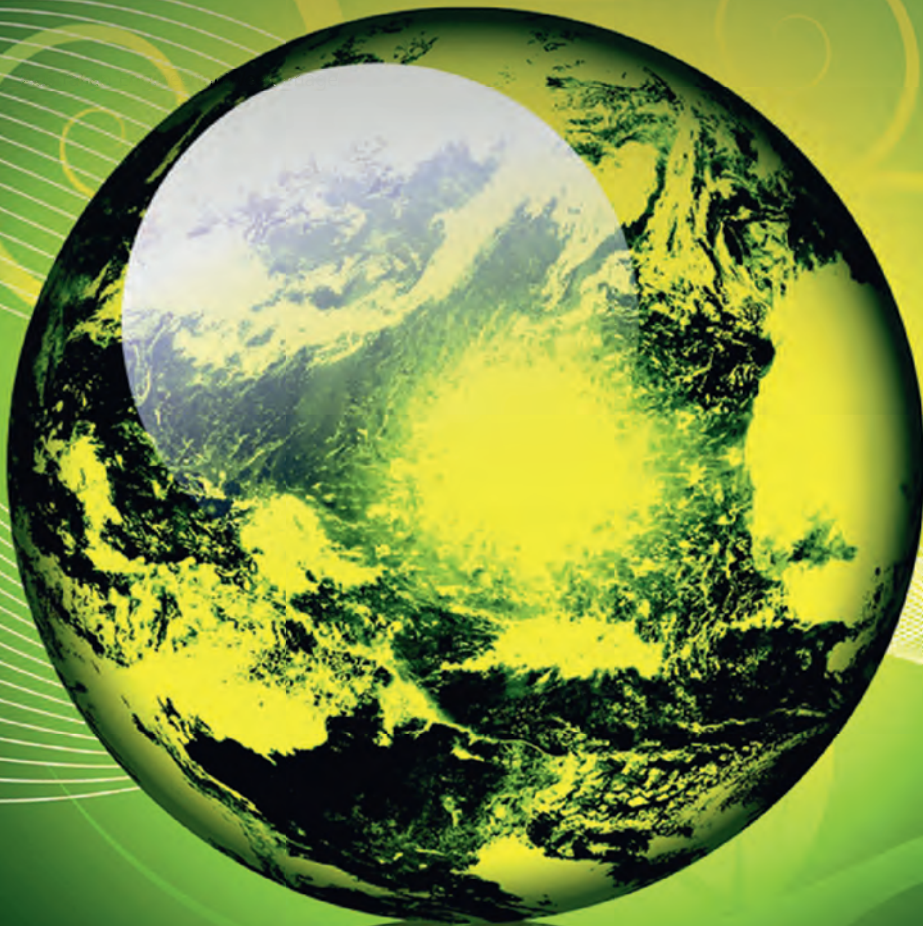




ENGINEERS
AUSTRALIA
Victoria Division

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engineers victoria



Inside

Celebrating Australian Engineering Week

Leadership Gala Dinner – Guest Speaker: Tim Flannery

“Make It So” Final Award Winner

Vote to Modernise!

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Contents

A message from the State President	2
National President's Visit	3
Concept to creation	4
Australian Engineering Week	5
Spotlight on the Structural Branch	6
Country Family Weekend	7
Senior Engineers Leadership Program	8
Vote YES to modernise	9
News from the Regions	10
YEA-V Chartered Status Ceremony	11
CPD Calendar	12

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.

A message from the State President ...



In this the Year of Engineering Leadership the Victoria Division Committee has continued its focus of engagement with members and industry.

The last three engagements have included an outline of the Engineering Students@Work program, undertaken by the AKORN Educational Services Group with the full cooperation in partnership with Norman, Disney and Young. Victoria Division Committee (VDC) members were most impressed with the exposure provided by the program to the diverse opportunities available in the engineering profession. By enabling secondary students to work on projects with professional Engineers, AKORN are promoting an understanding of engineering design solutions.

This outcome was also forthcoming at the Year 9 Humanitarian Engineering Conference, held in partnership with Engineers Without Borders (EWB), the Catholic Education Office and the Worley Parsons Graduate team. Approximately 60 secondary students from 9 schools took over Engineering House and spent the day with the young engineers from Worley Parsons and EWB to create humanitarian engineering solutions to solve a real world problem in Cambodia. I commend all engineering organisations to consider getting involved in these programs.

A further engagement meeting was the visit to Uhde Shedden where senior management outlined issues relating to skills shortages in the engineering team that is so essential to the delivery of engineering design. Our engagement efforts have also been directed towards successful meetings with appropriate Government Ministers.

National Congress met in Melbourne on 27–28 July wherein the new draft Royal Charter and By-laws together with the Code of Ethics were the only agenda items for some 48 Congress members from across Australia. I am pleased to advise our members that both the new By-laws and the Code of Ethics were passed with minor amendments. The changes are fully supported by your VDC. The work of former National Chairman, Peter Godfrey, and former VDC Deputy Chair, Dr Julia Lambourne in formulating the draft documents for consideration is fully acknowledged in achieving this support by Congress.

It is now the challenge of all members to endorse and support the proposals to ensure that a ballot to be held across the 90,000 members of Engineers Australia for these significant changes is accepted. I commend all members to be active in advocating the adoption of these changes that will enable our

Institution to provide a modern, equitable and compliant Charter, By-law and Ethics document for our future.

One of my objectives in 2010 is for the Committee to visit all Regional and Board of Engineering Groups. During the past month, with the assistance of the VDC, in particular our Regional Groups representative, Andrew Price, we have visited a number of regional groups. Most recently we have visited the Wimmera Group, Bendigo Group, North East Group (Wangaratta/Benalla) and the Upper Murray/Albury Group and have planned visits to the Gippsland Group and Sunraysia Group. The Sunraysia visit will be on the weekend of 11–12 September where past Chairmen are also invited to visit the Milewa A Pump Station, which will be activated by the Sunraysia Group members, a tradition for visits by VDC Chairmen.

Many members have also enjoyed the Country Family Weekends that were successfully staged, in Wangaratta and other Regional centres. This year I again invite all members to participate in the Echuca Country Family Weekend to be held 22–24 October. Full details of that function are enclosed with this edition.

I wish to acknowledge the work of the VDC in commencing the first of our new Outer Metropolitan Groups, to be based in Dandenong. An objective this year has been to ensure that all members have access to the services offered by the Institution and the formation of Groups based in outer Melbourne, is a key to ensuring that all of our metropolitan members can share the benefits of Engineers Australia membership.

A highlight for me during the past month was the hosting of the former Chairmen's Luncheon held in the Division Office Boardroom on 8 July. This formal luncheon was attended by 26 of your past Chairmen and President of the Victoria Division and it was my pleasure to present to each of the attendees an official acknowledgement certificate of their service to Victoria Division.

Former Chairs were impressed with the current status of Victoria Division which at that time had 21,489 members. In this the Year of Engineering Leadership the group was asked to consider the names of former significant Engineers, who have contributed to both Victorian and Australian Engineering, and whose names would be appropriate for use in the "naming" of meeting and other member room facilities within Division office. This will be formalised in October.

To commemorate the Year of Engineering Leadership we have also taken the initiative of issuing to appropriate Eminent Speakers a bound copy of the biography of perhaps our greatest Engineer, General Sir John Monash CCMG, KCB, VD.

Engineering Week, 2–6 August provided for some 58 separate events organised by our members and Division office staff to celebrate our profession and to showcase it to our community. The details of these events are presented in this Newsletter.

Succession planning is an issue for all Engineers Australia members and organisations. The VDC has been considering a succession planning document provided to us by Dr Mark Toner. The

recommendations of that report are now being taken forward as an initiative of Victoria to the National level to consider for implementation. As part of those recommendations a two year term for VDC members is proposed, to ensure that “works in progress” by the VDC are ongoing. Succession planning should be a consideration for all in our profession.

Finally I wish to acknowledge the professional and committed support that you as members

and I as your President have received during the past period from our most dedicated Division staff under the leadership of Executive Director, Glenda Graham. With the efforts of a most dedicated team the Victoria Division will continue to provide a high standard of member services.

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

ENGINEERING LEADERSHIP

HERE ON EARTH: LEADING A SUSTAINABLE FUTURE

Engineers Australia, Victoria Division invites you to celebrate the 'Year of Engineering Leadership' at the upcoming Engineering Leadership Gala Dinner, presented by Arup. Dine with one of Australia's leading scientists, conservationists and authors - Professor Tim Flannery.

The 2007 Australian of the Year needs no introduction. Tim's landmark works have changed the way we think about the environmental challenges facing the world today.

With a population expected to exceed 9 billion by 2050, and a planet whose resource base is already over stressed- increased efficiency, cleaner processes and reduced pollution represent our best hope for survival.

Prepare to be inspired as Prof Tim Flannery presents a powerful connection between leadership in engineering innovation, and its true relationship with the planet on which our biological, economic and cultural futures depend.

The winners of the 2010 VicRoads Young Engineer Award will also be announced during this event.

Date: Friday, 15 October 2010	Cost: \$170 for Members
Time: 7:00pm for 7:30pm to 11:30pm	\$190 for Non-Members
Venue: Palladium Ballroom, Crown	\$1700 Corporate Table
Dress: Black Tie or Dinner Suit	RSVP: Friday, 1 October 2010

For further details please visit engineersaustralia.org.au/leadershipdinner or contact Stacey Rocco on 03 9321 1712 or email srocco@engineersaustralia.org.au

LIMITED SEATS AVAILABLE
CLICK HERE TO REGISTER

Gala dinner 2010

PRESENTED BY ARUP

Guest Speaker
Prof. Tim Flannery

Professor Tim Flannery is one of Australia's leading thinkers and writers. He has published more than 130 peer reviewed papers and many books including *The Future Eaters* and *The Weather Makers*. His latest book 'Here on Earth' will be released at the end of September 2010.

In 2006 he co-founded and was appointed Chair of the Copenhagen Climate Council and was named Australian of the Year in 2007.

10 lucky guests to win a signed copy

The Engineering Leadership Gala Dinner Commemorates...

Brigadier Wilfrid Dinsey Chapman, a true leader whose life provided an inspiration for all engineers. Brigadier Chapman was Chairman of the Victoria Division of The Institution of Engineers in 1932, President of the Institution in 1944 and a Councillor from 1935 to 1955, the year in which he died, aged 64 years.

Gold Sponsor

Silver Sponsor

Bronze Sponsor

Engineering Education Australia

National President's Visit National President launches his population debate in Victoria

National President Professor Doug Hargreaves visited Victoria in the first week of June 2010.

During his visit the President launched his national debate on Australia's population *Engineers Engaging in Australia's Population Debate*.

Professor Hargreaves met with a large number of Victoria Division groups including the Victoria Division Committee, Board of Engineering, Seniors Engineers Group and he provided the key note at the joint CELM and YEA-V Eminent Speaker seminar. At each of these forums he received resounding support of his proposal for the profession to actively engage in the national population debate and there were many animated questions and answer sessions after each of his presentations.

The President had a number of engagements, including site visits to the Rectangular Stadium, VSSEC (Victorian Science and Space Education Centre) and meetings with the Building Commission, Tim Pallas MP and Tim Holding MP.

In addition to the meetings in Melbourne, Doug visited Ballarat where he was hosted by the Ballarat Group and had the opportunity to visit a number of key local engineering companies including Albin's Off Road Gear and Sovereign Hill. Doug also took the opportunity to meet the Mayor of Ballarat, Cr Judy Verlin. To finish off the visit, he was the guest of honour at a dinner for the Chairs of Victoria's Regional Groups and again received significant support for his work on the population debate.



L-r: John Lewis – Sovereign Hill, Madeleine McManus – Immediate Past President, Doug Hargreaves – National President, Brian Sala – Chair Ballarat Group and David Eltringham – Division President.



Doug Hargreaves – National President & David Eltringham – Division President with members of the Ballarat Group.

Concept to creation

Engineers 'Make It So' final award winner

More than 100,000 members of the Australian public were engaged in the first phase of the 'Make it so' campaign, submitting almost 7,000 ideas since it launched in February this year.

Engineers Australia are now proud to announce the exciting idea that they have selected to 'make so'.

The idea that will be turned into reality is:

'Make it so developing communities can reuse their agricultural waste to create energy for cooking and heating.'

The selected 'Make it so' idea was contributed by Abdul Al-Dasooqi, an undergraduate student at the University of Adelaide. Abdul was inspired to submit the idea after studying energy proficiencies in bio-gas in the first year of his Bachelor of Engineering (Chemical). At only 19 years of age, Abdul showcases the young talent and ingenuity that will undoubtedly be seen in the profession in years to come.

The 'Make it so' idea was announced during Australian Engineering Week and coincided with the news that 2011 is set to become the Year of Humanitarian Engineering.

Peter Taylor, Chief Executive Officer of Engineers Australia said, "Communities, both globally and in Australia, are facing significant sustainability challenges. The engineering profession, with its know-how and creativity, has the right

people to assist in tackling some of these difficult issues. We plan to engage our 90,000+ members to assist in making the worthwhile selected idea so."

The purpose of the 'Make it so' campaign is to raise awareness of the contribution the engineering team makes to the community by engaging both the engineering profession and the Australian public in an 'ideas' generation discussion.

"The 7,000 ideas submitted show a clear indication that the Australian public are concerned about the big issues challenging

all of us – issues such as renewable, accessible energy, climate change and water. Importantly, it would seem that the Australian public sees the engineering profession as playing a pivotal role in addressing these challenges."

Engineers Australia will partner with Engineers Without Borders to bring this project to fruition. Engineers Without Borders is an organisation dedicated to assisting developing countries gain the knowledge, resources and appropriate technologies needed to improve livelihoods.

Keep visiting www.makeitso.org.au for updates on the project.

“MAKE IT SO developing communities can reuse their agricultural waste to create energy for cooking and heating **”**



Volunteers provide invaluable support within Engineers Australia

Voting for vacant positions for 2011 will open from **Monday 4 October** until **5.00pm (AEDT)** **Friday 29 October 2010.**

For details about the election process visit the website at www.engineersaustralia.org.au/elections

www.engineersaustralia.org.au/elections



ENGINEERS
AUSTRALIA

Australian Engineering Week 7-8 August 2010

With exciting site tours and workshops, participation from highly respected public figures, and wonderful community support, Australian Engineering Week in Victoria has exceeded all expectations.

Road safety initiatives

The week got off to a great start on Monday with a breakfast launch at Federation Square. The breakfast featured an interactive discussion on the future of road safety, and included representatives from VicRoads, Victorian Police Superintendent, Neville Taylor, plus a panel of engineering experts.

A number of innovative solutions to improve road safety were analysed, including facial recognition



Hoppers Crossing Pumping Station – Site Tour.

systems, new drug and alcohol testing procedures, and intelligent speed assist.

Attended by over 180 people, the session highlighted the ability of engineers to work closely with road safety experts in tackling the problem of road fatalities.

Stadium site tours

When it comes to impressive stadiums, Melbourne is without peer! That's why the level of interest in our site tours to Etihad Stadium and Melbourne's newest sporting showpiece, AAMI Park, was enormous.

Each tour was completely booked out, and gave participants a unique behind-the-scenes look at how these magnificent amphitheatres are designed and constructed. In particular, it was fascinating to learn about AAMI Park's visually stunning bio-frame roof. The roof was inspired by shells and requires 50% less steel than stadium roofs of a similar size.

Job hunting insights

Students and overseas professionals benefitted from our job hunting seminar on Monday, which presented valuable tips and insights into finding engineering jobs in Australia.

Given that around 70% of new jobs aren't advertised, the seminar examined ways to identify and secure opportunities within the engineering industry.



Lively debate at the AEW Launch Breakfast at Zinc, Federation Square.

We also ran a resume building workshop on Tuesday to help candidates fine-tune their CVs before applying for jobs in the industry. It's clear that engineering in Australia has a strong future given the talented individuals who attended these two events.

Engineers Australia wishes to thank everyone who participated in what was a fantastic week.

Engineers Australia, Victoria Division would also like to acknowledge the support of our valued sponsors, RMIT, Victoria University, ICN and Deakin University.

School program update

Engaging our stakeholders – School-Industry Partnerships forum

The third series of School-Industry Partnerships, titled 'Showcasing Successful Partnerships' took place on 28 July and was attended by 70 professionals from the engineering industry, career advisors, universities and local community services.

The forum, designed to provide the audience with an update on new developments and initiatives in School-Industry partnerships running state and nation wide was comprised of three key presentations:

- Grant Rathjen, from DEEWR, discussed the new partnerships brokers, their role and the aims in maximizing engagement, attainment and successful transitions.
- Peter Koulos, Associate Director at NDY, and Georgene Bridgeman from Akorn Educational Services, presented on the first Engineering Students@Work program with the aim of increasing program awareness and encouraging industry to implement this into their workplace.
- Soula Bennett from Quantum Victoria, the new Physical Science Specialist Centre in Heidelberg, and Suzanne Clarke from Ecolinc, presented on their Centre's facilities and how industry can get involved.

If you would like to attend the next forum, please contact Sandra Perrett on 9321 1725.



Soula Bennett from Quantum Victoria.

Epically Awesome!!

Year 9 Engineering Students@Work Humanitarian Conference

Akorn Educational Services, together with Engineers Without Borders (EWB), Worley Parsons, Catholic Education Office and Engineers Australia delivered the very first Engineering Students@Work Conference to approximately 60 year 9 students from nine different schools.

The students were divided in teams where they worked with an EWB volunteer and a WorleyParsons engineer to address a project brief and devise solutions. The brief was a real-life humanitarian event where the students needed to use 'engineering skills' to develop strategies and solutions to the various problems.

Once the teams collated and evaluated their ideas, each group was required to present on their findings to the group which included the Victorian State President, Mr David Eltringham, who was left speechless by the team's effective delivery of their findings.

When asked how the day was, one student replied, 'Epically Awesome!'.

Due to the success of this conference, we are certain that these will be repeated throughout years to come.

SPOTLIGHT ON...the Structural Branch

Engaging with our members

The Structural Branch is actively engaged with members, delivering a suite of technical seminars most recently on the extension of design life of concrete structures, design of industrial floors and pavements, engineering risk for buildings and innovations in steel, as well as a site visit to a galvanising plant. Case studies presented include the design of the Padma Bridge in Bangladesh, and Westgate Bridge. These seminars – on the second Tuesday of the month at EA – attract large audiences, and provide participants an open forum to engage on with

industry experts, and a relaxed opportunity to network with peers.

Raising our profile

We have raised our profile through collaborations with the Bendigo Regional Group, as well as cross promotion with the Civil Infrastructure Branch, YEAV and the Australian Heritage Society. We have partnered with IStructE Victoria for the Roger Plank seminar on Fire Safety Engineering and the EuroCodes, and seek to expand our collaboration with peak bodies across the profession including the Melbourne University

Engineering Faculty and the Society for Fire Safety Engineers.

Promoting Structural Engineering during Australian Engineering Week 2010

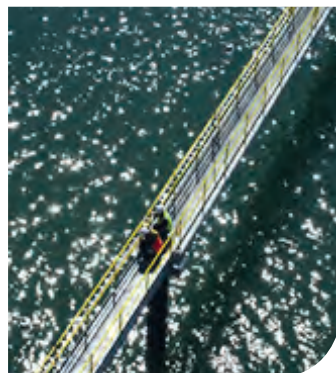
The Structural Branch features during Engineering Week 2010 included an online gallery showcasing photos taken by Victorian Structural Engineers of what they have found impressive in the built environment, either “on the job” or while travelling. We also hosted Prof. Paul Grundy who presented on the Westgate Bridge, from collapse to the recent upgrades, which was an enjoyable evening.



Melbourne Cement Facilities, Port Melbourne, photo taken by Dennis Kennedy – Director, Prostruc Consulting Engineers.



Working in the Clouds: Broadcasting Tower on Mt Wellington, Hobart, Tasmania. Photo taken by Tom Glass, Bruce Young Partners.



Sunlight reflections off the water at Corio Quay North No 4, Geelong (2010). Photo taken by Christopher Carboon – Senior Maritime Engineer, SKM.



Reptile Skin, façade of the Petronas Twin Towers from the Sky Bridge. Photo taken by Nicolette Cumbo, Port of Melbourne Corporation.

Mark your calendar!

- 12 October 2010 – A seminar on Bushfire Testing of Steel Framed Houses a joint seminar with the Society for Fire Safety Engineers
- 21 October 2010 – A special collaboration with the Australian Heritage

Society on the Church Street Bridge

- 9 November 2010 – A seminar on Geopolymers in Concrete presented by RMIT University
- 18 November 2010 – Breakfast forum on Educating Engineers – *Is It Quality or Quantity?*

1200 Building Seminar

Discussions around the topic of sustainability have been gradually making their way into Engineering conversations. More emphasis is being placed upon the impact on our environment of our activities both directly as Engineers and more broadly as a society. In response to the importance of sustainability, the Melbourne City Council have commenced a project to assist the owners of 1200 buildings within the Melbourne City Council jurisdiction to look at a more sustainable approach to fitting out their buildings.

Through the 1200 Buildings program, the Melbourne City Council is promoting the use of sustainable alternatives to redevelopment, plant renewal and the implementation of cleaner, greener alternatives to conventional plant and equipment. Examples of where cleaner, greener alternatives may be used include Heating, Ventilation and Cooling (HVAC), power co-generation and climate retention technologies (insulation, for example). These are retro-fit technologies that may be considered within asset lifecycle replacement strategies.

On 18 August representatives of the 1200 Buildings Project presented at a seminar on the program jointly hosted by the Asset Management Council, the Victorian Branch of Engineers Australia and the Melbourne City Council. The event attracted some 100 members and non-members to the Engineers Australia auditorium.

Manager of Sustainability at the Melbourne City Council, Krista Milne, gave an introduction and outline of the 1200 buildings program, discussing what the program is about, where the program is headed and some discussion on financing the retro-fit of buildings.

Rob Enker of the Victorian Building Commission presented information on the current and likely future building codes and the increasing emphasis on the use of sustainable technologies in new and renovated buildings.

Case studies were presented by two organisations, one operating a relatively small facility, the other operating a relatively large, well resourced enterprise.

At the smaller end of town, Dave Collins of Synergetics (490 Spenser Street) presented details of the low cost retro-fitting of sustainable technologies to their building. These included window tinting and an innovative foyer area that acts as an airlock to reduce energy loss through entrance and egress of the building. He described the original intention to provide solar power and the subsequent cooperation with neighbouring buildings to provide sufficient surface area to achieve this. Research found an innovative, low cost PLC building and energy management system. Lower power lighting was installed and found to be brighter than the original lighting.

Bruce Precious of GTP property management

presented the retro-fit of their building at 530 Collins Street. Ageing HVAC chillers were replaced by newer, lower energy units, fitted to a fully occupied building without disruption to the tenants. In the same activity a gas-power co-generation system was fitted to provide power and lighting to the building and building services. This system was fitted so that power is sold back to the grid during times of surplus capacity. The project was delivered with a partner organisation who were responsible for the technology implementation. According to Bruce, the project was delivered with no contractual variations.

A panel discussion followed the presentations. Many questions were asked and points of consideration raised. This generated considerable conversation and much discussion followed over the next few hours.

All in all, this was a very successful event, having promoted the sustainability message to the many participants and prompting a healthy discussion.

www.melbourne.vic.gov.au/1200buildings





COUNTRY FAMILY WEEKEND

22nd-24th October 2010, **Echuca**

Where country & city engineers meet.

PROGRAM

This casual Family Weekend is an opportunity for Victorian Engineers to come together in Echuca, Victoria. It will continue the success of previous weekends held around regional Victoria and incorporates the prestigious McCormack Cup Golf Tournament.

FRIDAY 22 OCTOBER

Evening

Welcome and Registration

Come along and register your arrival – meet and greet fellow EA members and families, find out the details of what is to happen for the weekend.

Restaurant Bar and Decking Area

Quality Inn, Port of Echuca Motel and Conference Centre

465 High Street, Echuca VIC 3564. Phone (03) 5482 5666

info@qualityinnechuca.com.au | www.qualityinnechuca.com.au

SATURDAY 23 OCTOBER

Morning

McCormack Cup Golf Tournament

Located at the YMCA Echuca Back Nine Golf Course, the prestigious McCormack Cup Golf Tournament will be incorporated into the Country Family Weekend. Beginning in 1936, this tournament was created to bring metropolitan and regional engineers together.

or

Free time to explore the townships of Echuca and Moama for retail therapy.

Wander around the historic Port of Echuca area, have a cuppa at one of the many coffee shops, and feel the ambience of the area.

To find out more information look at the website: - <http://www.echucamoama.com/>

Midday

BBQ Lunch at the Aquatic Reserve

Enjoy a companionable lunch of a good old BBQ cooked by the fair hands of your fellow Engineers!

Afternoon

Site visits bus tour

Initial stop will be Torrumbarry Weir where we will check out the reconstruction of the Weir wall and the fish ladder. We will then tour through to Lockington en route to Rochester to the Campaspe River Siphon. The Siphon was built in the early 1900s to take the Waranga Mallee channel under the Campaspe River. During the tour we will see the works being carried out for the Food Bowl modernisation program, which is the modernisation of the water supply channels, in a world first operation. We will complete the tour with a journey around Echuca.

Check out some of the Sir John Monash projects, in this Year of Engineering Leadership!

Evening

Dinner at the Murray River Room; Port of Echuca Motel

Enjoy a three course Dinner in the Murray River Room; Port of Echuca Motel with guest speaker Mr Mal Kersting. Mr Mal Kersting, VicRoads, will speak on the extent and detail of all the processes for the proposed new Murray River Crossing at Echuca.

www.engineersaustralia.org.au/victoria/familyweekend



**ENGINEERS
AUSTRALIA**
Victoria Division

Siemens supports budding engineers

Engineers Australia CEO Peter Taylor signed a National Professional Development Program (PDP) Agreement on 15 July with Siemens Chairman and CEO Albert Goller as part of the company's commitment to nurture the professional development of Siemens engineers, technologists and associates. Successful participants in the program will become accredited as Chartered Engineers with Engineers Australia, and will be recognised as having their leadership and expertise in their fields endorsed by the peak engineering association in Australia.



As part of Siemens support for its participants in the program, each will be assigned a mentor and will receive a comprehensive personal competency development plan targeting their career goals.

Peter Taylor said the PDP is aimed at graduate and more experienced members of the engineering team working towards professional recognition. "The Engineers Australia PDP will allow Siemens engineers to fine-tune their skills base in a structured and supported way," he said. "The program has been especially designed to help organisations like Siemens create professional opportunities and build the individual and collective competencies."

Albert Goller said that development programs, like that offered by Engineers Australia, form essential foundations for an innovative solutions provider such as Siemens. "Siemens prides itself on supporting career development opportunities for our staff and we see the development of young engineers as integral to our success as the leading innovation technology-solutions company in the world," Mr Goller said. "Without skilled engineers at the pinnacle of their field, we would not be capable of developing innovative and visionary projects that set us apart from our competitors."

Engineers Australia is delighted to welcome Siemens as a PDP partner organisation further strengthening relationships between the two organisations.

All About You!

Volunteer Involvement: Board member of the Fitzroy Football Club (yes they still exist) and help out on game day.

Job Title: Deputy Director of Public Transport – Engineering and Asset Management, Department of Transport.

Did you always want to be an engineer? Only from the age of 11, prior to that I wanted to be a farmer.

If you weren't an engineer, what would you be doing? Stockbroking analyst with a boutique broker.

Name one of the most exciting projects you have worked on:

Difficult to name 1, Western Ring Road at Broadmeadows, Upper Yarra Dam Outlet Augmentation, and the North West Sewer Crossing of the Maribyrnong River.

What prompted you to become a member of EA and what are the main benefits for you? Membership was an easy decision, as it is the only body I know that provides recognition for the profession combined with many activities and specialist support services in most technical fields.

Favourite engineering feat: Construction of the Snowy Mountains Hydro-electric scheme and the Construction of the Melbourne Underground Rail Loop (I know that is two, and I can list many more).

What do you enjoy doing in your spare time: Helping my two sons learn new important skills like riding a bike and kicking the footy.

Dream job: Aside from the one I am doing, maybe Running London Underground?

3 words to best describe you: Tall, Quiet, Eccentric.

What makes you laugh? The way the AFL run football these days.

Favourite quote: Things do not happen. Things are made to happen – John F Kennedy.

Favourite movie: All 6 Star Wars but probably Empire Strikes Back if I had to pick one.

Tom Sargeant



The Engineering Education Australia Senior Engineers Leadership Program

Sunday 24 - Friday 29, October 2010
RACV Country Club, Healesville, Victoria

Senior Engineers Leadership Program for CEOs, Directors, Executives, Senior Managers, General Managers, Operations Managers, Program Managers, Engineers and Technical Professionals with more than 15 years experience.

THEME: As we continue to strive for engineering excellence in Australia, how do you become the leader that you and your engineering organisation needs?

The Senior Engineers Leadership Program is a 6-day full board residential program specifically for engineers with 15 or more years of experience who are seeking to improve their executive potential, expand their circle of influence and further contribute to engineering excellence in Australia.

The Senior Engineers Leadership Program has been developed in consultation with senior engineers that represent all engineering sectors in Australia. It includes CEO briefings, detailed syndicate work, workplace application and real dialogue on key topics in engineering business and leadership. This program also introduces the Engineers Australia Stage 3 Competencies (Engineering Executive) and presents a unique opportunity to exchange ideas with top engineering professionals in your field.

For more detailed information and to register for the Senior Engineers Leadership Program please visit www.eeaut.com.au, or contact Ann Ellis, General Manager Engineering Education Australia, on email ann@eeaut.com.au or telephone 03 9274 9600.

Vote YES to modernise

Engineers Australia is about to launch a historic membership ballot. In October we will be asking all Corporate Members to vote 'yes' to make our governing documents modern, compliant and equitable. This follows a landmark decision at a special two-day meeting in July, where the National Congress finalised a complete rewrite of the Royal Charter and By-laws.

This vote will be the culmination of two years work that started back in 2008 when our 50-person Congress voted overwhelmingly to review our 73-year old Royal Charter. The document was widely acknowledged as being out-of-date, often contradictory, inaccessible, and bedevilled by a serious legal flaw which could compromise our status as a not-for-profit organisation.

The barrister engaged to review and rewrite the Royal Charter and By-Laws said in his original summary: "The current constituent documents are inaccessible to their intended audience [members, office bearers and staff] both in terms of form and content. The language and style of both documents is out-dated and does not conform to modern, best practice legal drafting. Many of the provisions are poorly drafted, even by traditional standards. Quite a number are confusing or ambiguous."

In addition, the barrister said the documents failed to reflect how the organisation functioned in two key areas. First, they barely acknowledged the role of technical societies, and second, technologists and associate members did not have the right to vote in membership ballots, despite the fact they are fully involved in other decision-making processes within the organisation.

In conclusion, he said because of their lack of accessibility the documents did not give government, business or the public a favourable impression of Engineers Australia as a modern, professional organisation.

No changes to the governance or membership structure were recommended, and none is proposed in the rewrite.

I am very pleased to announce that after such an extensive review period marked by healthy debate and substantial input from members and external experts, Congress has voted overwhelmingly (44 to 2 with 2 abstentions) to accept the revised Royal Charter and By-laws.

The revised document gives us the framework and clarity we need to be a truly contemporary and professional organisation. It is a document for the 21st Century.

So what are the key changes corporate members will be asked to vote on in October?

First, the document is written in plain English and is easy to understand.

Second, it now better reflects how our organisation is governed.

Third, the revised document gives technologists and associates the right to vote in all future ballots affecting the Royal Charter and By-laws. Congress voted overwhelmingly in favour of this as a final legacy of our 2008 Year of the Engineering Team, and I am pleased to see it codified in the new documents. We must make our organisation equitable.

Members voted 20 years ago to include technologists and associates in our membership. Since then these groups have become an integral part of our diverse organisation.

They represent Engineers Australia in senior office bearer positions and have shared in our strategic planning and major program development. This has strengthened, not weakened our organisation.

All corporate members will be asked to vote in October and more information will be provided to help them make an informed decision. But critically, the voting process will be simple: there will be one motion and a simple majority YES vote is all that is required to accept the new documents.

Doug Hargreaves
National President

panellist is an important quality assurance role". He says: "I can ensure that those engineers who attain Chartered Status are competent to practice engineering to a quality expected by the profession." He also says: "I have gained an insight into how engineers are undergoing professional formation today, and I have been impressed by what I've seen."

Members and staff of Engineers Australia Victoria Division offer a huge thank you to the 500 engineers who have performed the important role of Chartered Status interviewer since March 2005.

"I have gained an insight into how engineers are undergoing professional formation today, and I have been impressed by what I've seen."

Mr Khim Lim FIEAust CPEng.

Congratulations to Chartered members

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

Mr Luke	Bond	MIEAust	CPEng
Ms Emily	Butlin	MIEAust	CPEng
Mr Tony	Camilleri	OMIEAust	CEngO
Mr Dominic	Carolan	MIEAust	CPEng
Ms Susannah	Cullen	MIEAust	CPEng
Ms Lilly	Denehey	MIEAust	CPEng
Mr Robert	Devlin	MIEAust	CPEng
Mr Mark	Gelinski	MIEAust	CPEng
Mr Nathan	Heinrich	MIEAust	CPEng
Mr Roger	Hill	MIEAust	CPEng
Ms Madeleine	Jenkins	MIEAust	CPEng
Mr Thilagalavanian	Kandiah	MIEAust	CPEng
Mr Simon	Kohn	MIEAust	CPEng
Mr David	Lang	MIEAust	CPEng
Mr Dieter	Marschall	MIEAust	CPEng
Mr Andrew	Marshall	MIEAust	CPEng
Mr Bruce	McCann	MIEAust	CPEng
Dr Kenichiro	Nagato	MIEAust	CPEng
Mr John	O'Sullivan	MIEAust	CPEng
Mr Karl	Skoff	OMIEAust	CEngO
Mr Wayne	Vernon	FIEAust	CPEng
Ms Chloe	Wiesenfeld	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 Kenneth	Anderson	FIEAust
Mr Mark	Byrne	FIEAust CPEng
Ms Lucia	Cade	FIEAust
Mr Leigh	Clifford	FIEAust
Mr Michael	Goodwin	TFIEAust CEngT
Dr Md Monzur Alam	Imteaz	FIEAust CPEng
Dr Daniela	Ionescu	FIEAust
Mr David	Leach	FIEAust
Mr David	Lovison	FIEAust
Mr Howard	McDonald	FIEAust CPEng
Mr Venket	Naidu	FIEAust CPEng
Mrs Malgorzata	Niepostyn	FIEAust
Dr Meredith	Rogers	FIEAust
Ms Leni	Sales	FIEAust CPEng
Mr Maurice	Stabb	FIEAust CPEng
Mr Russell	Turner	FIEAust
Mr Wayne	Vernon	FIEAust CPEng
Prof Liuping	Wang	FIEAust

Celebrating our Chartered Interviewers

We'd like to celebrate the milestone of having had 500 Victoria Division members participate in Division activities as panellists at Chartered Status Interviews since March 2005. Those 500 engineers have volunteered their time so that we have been able to conduct Professional Interviews of 607 candidates for CPEng, CEngT or CEngO. While many panellists can only afford the time to participate on an interview panel, occasionally, some interviewers have participated more than 10 times. Universally the panellists report that the experience is rewarding and pleasurable (and not particularly time consuming).

Mr Khim Lim FIEAust CPEng is a frequent panellist for the Civil and Structural Engineering Colleges. He participates as a panellist because he feels that "being a

Congratulations to Mrs Dianne Boddy FIEAust CPEng

...Recipient of Michell Award 2010

Dianne began her career as a Tracer for a large Melbourne engineering company that specialised in heavy mining, food processing and harvesting machinery. Dianne became enthralled with engineering and with numerous mentors and a large manufacturing facility available to her; she set about learning every aspect of design and manufacture with the goal of specialising in food processing design.

Rapidly Dianne became a competent draftsman and then at the age of 22 was placed in charge of the design of all food processing plant and equipment handled by the company. Her first major invention was in the late 1950's when she eclipsed work being done by their American parent company, to develop a design for a new automatic peach feeding plant for canning that was adopted for worldwide distribution.

Dianne's career in the food processing and cannery industry continued to thrive, gaining a string of world firsts, modernising and expanding Goulburn Valley's production facilities and publishing several innovations. Subsequent to this she moved to WA where she worked on mechanical design projects, consulted to A.S.E.A.N and was appointed to the board of an R&D company to automate a protein extraction process.

In 1981 Dianne joined a Robotic Sheep Shearing research project at UWA as senior mechanical design engineer. Acquiring a new skill set and numerous patents she was soon sought for consultancy design in Environmental Fluid Dynamics, Civil Engineering Materials Testing and Geo-Mechanics Centrifuge research. This work gained her an International reputation for the design of state of the art research equipment and she was sought in Australia and overseas for consultancies on numerous design projects for organisations including Shell, BP, CSIRO, Bundaberg Sugar and the US Army.

In 1987 Dianne gained membership of the Institute of Engineers with Chartered status. Today she looks back on approximately 2,000 documented designs, some 40 patents and has been author, co-author or referenced in a number of papers ranging through the above fields. Her designs have won several State awards and have been subject to technology TV programs and exhibited at international technology expos. Dianne continues to explore design opportunities.



News from the Regions ...

Ballarat Group Update

In May our group had an informative presentation by John Livingston of Lake Imaging, a local medical diagnostics company with state of the art MRI and PET scanners. John described the technology and the communications systems his company has installed to enable high bandwidth picture transmission.

June was a busy month with National President Doug Hargreaves visiting our area. Our

small party comprising Doug Hargreaves, David Eltringham, Madeleine McManus, Nick Philips, Glenda Graham and Brian Sala, were treated by John Lewis of Sovereign Hill to a tour of the new cable winch tram installation and their Creswick Mine Disaster exhibit. We were also shown through Albin's Off Road by Steve Nicholson before meeting with the Mayor of City of Ballarat, Judy Verlin. June also saw us visit Amcor's aluminium can top plant which produces on average 13 million can tops each day with micron accuracy.

In July we visited the White Swan reservoir water treatment plant and had a presentation on the Ballarat South Sewer Upgrade.

Our group is about to begin the 2010 Engineering Encouragement Award presentations to local year 10 students, and 'will man the stands' at the local career's expo in August.

We are also preparing for a combined visit with IPWEA members to the Anthony's Cutting bypass project in August.

Bendigo Group Update

On the 26 August the Bendigo Group conducted the 3rd Joseph Brady lecture which is open to not just its members but also the general public.



Sovereign Hill Mine Tour

This year's guest speaker was Murray Smith the CEO of Northern Victoria Irrigation Renewal Project (NVIRP).

NVIRP's team of over 50 staff manage the \$AUD2 billion State and Commonwealth Government investment in irrigation upgrades in Australia's largest irrigation system. Murray Smith is passionate in his quest to work with irrigators and the community to identify the best ways to deliver water savings ensure the efficient use of resources in the context of reduced water availability and climate change, and to secure a sustainable future for the regional irrigation community of northern Victoria.

Sponsors of the event were LaTrobe University Bendigo, City of Greater Bendigo, Bendigo Advertiser and Engineers Australia.

Australian Turntable Company visit

On 12 August approximately 30 members and friends visited the locally operated Australian Turntable Company and Eco Worldwide. Executive Chairman Paul Chapman (company founder) and his staff guided us through both businesses which operate on a global basis.

Founded 20 years ago Australian Turntable Company is a family business that has grown from small beginnings, from the construction of turntables for the exhibition industry, to the development and installation in Iran of the world's largest revolving restaurant with a 50-metre diameter.

Now headed by two generations of the Chapman family, Australian Turntable Company's profile and reputation as a global leader in the provision of high-precision rotating solutions continues to grow. It currently sees the company working on export projects in Iran, UAE, France, Las Vegas and the UK.

Eco Villages is a company dedicated to the design of environmentally sustainable buildings that evaluate and then integrate the latest and the best technology into a modular and flexible building. The focus of their design process, in conjunction with the Australian Turntable Company is to design and manufacture buildings in the flat packed format that can be transported to site and erected quickly. This delivers a building which has low ongoing maintenance costs and very low energy costs equating to greatly reduced carbon emissions.

North East Group Update

An engineer's view of Brown Bros.

On Saturday morning 17 July, a group of us gathered outside Brown Brothers Epicurean Centre, Milawa, to meet Brown Brothers' Site Engineer, Steve Dows, who took us on a tour of the winery. The tour included the instruments, machinery and systems used to produce Brown Brothers wine, including areas not normally available to the public. We were accompanied by our State President, David Eltringham and his wife, Julie. A very thorough



Lunch at the Brown Bros site visit.

overview took us a half-hour overtime and I reckon we walked at least two kilometres! We didn't venture into the vineyards - partly because the ground was wet and soft, but mainly because of the risk of spreading phylloxera in this grape-growing region.

The tour started where the incoming trucks dump bins-full of freshly picked grapes into two ground-level open-top hoppers leading to crushers which removed the stems and sent the crushed grapes on to one or other of the dozens of very large stainless steel refrigerated tanks where most of the wine making happens. We followed the process to large above-ground cellars full of racks of wooden barrels where particular wines spend time to mature and pick up desirable flavours from the wood, and on to the bottling plant where the bottles are filled, capped (now rarely corked), labelled, packed in cartons and stacked onto pallets, mostly by automated machines. The tour ended at a new on-site warehouse where insulated pre-cast concrete wall panels and insulated roof passively keep the wine at a stable temperature until trucked out for distribution and sale. Steve also explained various bits of infrastructure to provide water from bores, back-up electricity supply, refrigeration, in-house nitrogen supply.

At the end of the tour we were allowed to walk down into the old underground cellars where hundreds of dusty wine bottles are stored from long-past vintages and private family collections. We must have looked honest because nobody was searched on leaving. We then sat down to a two-course Epicurean Centre lunch, with particular wines to accompany each dish. After lunch, many chose to linger on at the wine-tasting,

gradually drifting off when enough wines had been tasted and bottles bought. The successful event was attended by approximately 21 member and guests. Our thanks to Brown Brothers Epicurean and Wine Tasting staff, and particularly to Steve Dows.

Margret Doring FIEAust CPEng, Chair, North East Group

Senior Engineers Group Update

The Senior Engineers Group (SEG) was authorised by the Division Committee to be formed as a support resource for Victoria Division. The Group commenced its activities in July 2009 and has continued in 2010, hosting presentations by:

- Brigadier Bob Slater AM, Past State Chairman, on *A role for senior engineers in the community*;
- Professor David Beanland, former Vice-Chancellor of RMIT University, on *Challenges and opportunities facing the education of engineers*;
- Danny Almagor and colleagues from Engineers Without Borders (EWB) on *EWB's GreyPower Group activities for semi-retired professional engineers*;
- Peter Godfrey, Immediate Past National President, on *Royal Charter and By-laws, 2010*;
- Professor Doug Hargreaves, National President, on *Engineers engaging in Australia's population debate*; and
- Geoff Barrow, Business Manager of ETM Placements, on *Job opportunities for over-50s engineers: Choices during late career*.

During Engineering Week in August, the SEG formed a panel of experienced senior engineers and Division office staff providing mentoring guidance and advice to senior school students considering a career in engineering. In July, Group members were also involved in supervising senior school students for the Science and Engineering Challenge program managed by Newcastle and Victoria Universities.

In September, Carey Lyon, Founding Director of Lyons Architects, presents to us on *The design work for the redevelopment of 21-storey office building at 41 Exhibition Street to Green Star sustainability concepts*. Details are being finalised for the November meeting and the Christmas function will be held on Wednesday, 1 December after the AGM.

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.

YEA-V Chartered Status Ceremony ...the start of a new tradition

The second Young Engineers Victoria Chartered Status Ceremony on Tuesday, 24 August 2010, successfully built on the inaugural ceremony held six months prior. The aim of these events is to celebrate the achievement of those who have recently become Chartered Engineers in Victoria. It is a new initiative driven by Young Engineers Australia Victoria and supported by Young Engineers Australia National.

2008 Young Victorian Professional Engineer of the Year, Darren Paul MIEAust CPEng, opened the evening with an entertaining presentation giving an insight into how being Chartered helped him work in Dubai. This was followed by a speech from Stephanie Clarke MIEAust CPEng, who was receiving her certificate on the night. Stephanie described how her journey to Chartered Status has helped her development and the benefits and setbacks along the way. It was an experience many of the attendees could relate to.

Lyal Douglas FIEAust CPEng, Engineers Australia National Assessor, and Rowan Crosbie-Goold, Engineers Australia Victoria Division Industry Manager, presented certificates of Chartered Status achievement to the deserved recipients. Congratulations to the following new Chartered engineers:

- Mr Tony Camilleri OMIEAust CEngO
- Ms Stephanie Clarke MIEAust CPEng
- Mr Chi Fung MIEM MIEAust CPEng
- Mr Robin Miles MICE MIEAust CPEng
- Eurlng Haris Moraitis MIEAust CPEng

Mr Shane Phillips MIEAust CPEng

Mr Luke Robinson MIEAust CPEng

Ms Chloe Wiesenfeld MIEAust CPEng

Mr Tim Wright MIEAust CPEng

It was pleasing to note that the recipients came from a wide variety of disciplines and were not only young engineers. Listening to the different stories each Chartered engineer had was inspiring and it is now up to the rest of us who have not yet attained Chartered Status to follow their example and continue submitting those Career Episode Reports. Hopefully the next YEA-V Chartered Status Ceremony will see even more Chartered engineers recognised.



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.mediaivisionz.com.au/vic>.

Date	Time	Host	Event	Speaker	Venue
20 Sep	6:00pm	Overseas Skilled Migrant Group	Technical Seminar	TBA	Engineering House
21 Sep	5:30pm	Biomedical Engineering College	Technical Seminar	TBA	Engineering House
21 Sep	6:00pm	Centre for Engineering Leadership Management (CELM)	Eminent Speaker Program: <i>On Being at the Cutting Edge of Engineering and Corporate Leadership</i>	Prof Jeffery Rosenfeld	Engineering House
21 Sep	6:00pm	Australian cost Engineering Society (ACES)	Technical Seminar – What is Project Control?	Gary Campbell	Engineering House
21 Sep	6:00pm	Mechanical Engineering Branch	Technical Seminar	TBA	Engineering House
22 Sep	9:00am	Engineers Australia	Construction Induction Course (Red Card)	Anthony Corkhill	Engineering House
23 Sep	6:00pm	Australian Food Engineering Association (AFEA)	Technical Seminar	TBA	Engineering House
23 Sep	12.00pm	Bendigo Group	Fellows Luncheon	Mr Paul Chapman	Sandhurst Club
27 Sep	6:00pm	Society for Sustainability and Environmental Engineering (SSEE)	Technical Seminar	TBA	Engineering House
30 Sep	5:00pm	Chemical Engineering Branch	Eminent Speaker Program: <i>Power from the Deserts for a Sustainable Energy Provision</i>	Prof Hans Mueller-Steinhagen	Engineering House
30 Sep	6:00pm	Water Engineering Branch	Technical Seminar	Tim Sullivan	Engineering House
5 Oct	7:30am	Engineering Education Australia	Constraint Management	TBA	Engineering House
6 Oct	4:00pm	Chartered Institution of Building Services Engineers (CIBSE)	Technical Seminar: <i>Electrical</i>	TBA	Engineering House
6 Oct	4:30pm	Engineering Associates Group	Technical Seminar: <i>Pumps with VF Drives – Do they deliver value?</i>	TBA	Engineering House
9 Oct	8.30am – Late	YEA-V and EESA	Loy Yang Power Station Site Tour	Site Tour	Leaves from Engineering House
11 Oct	5:00pm	Royal Aeronautical Society	Technical Seminar	TBA	Engineering House
12 Oct	7:30am	Engineering Education Australia	Time Management	TBA	Engineering House
12 Oct	4:30pm	Structural Engineering Branch	Technical Seminar	TBA	Engineering House
13 Oct	5:00pm	Australian Geomechanical Society (AGS)	Technical Seminar: <i>Yallourn Mine Batter Inquiry</i>	Tim Sullivan	Engineering House
13 Oct	5:00pm	Risk Engineering Society	Technical Seminar	TBA	Engineering House
13 Oct	6:00am	Women in Engineering	Breakfast Panel	TBA	Engineering House
14 Oct	5:00pm	Asset Management Council	Technical Seminar	TBA	Engineering House
18 Oct	5:00pm	Engineers Australia	Technical Seminar	TBA	Engineering House
18 Oct	5:00pm	Overseas Skilled Migrant Group	Technical Seminar	TBA	Engineering House
19 Oct	4:30pm	Biomedical Engineering College	Technical Seminar	TBA	Engineering House
19 Oct	5:00pm	Centre for Engineering Leadership Management (CELM)	Eminent Speaker Program: <i>The Basics of Engineering Leadership – Education, Preparation, Consistency</i>	Danny Samson	TBA
19 Oct	5:00pm	Mechanical Engineering Branch	Technical Seminar	TBA	Engineering House
20 Oct	5:00pm	Australasian Tunnelling Society	Technical Seminar	TBA	Engineering House
20 Oct	5:00pm	Joint Victorian Chemical Engineering Committee (JVCEC)	Technical Seminar	TBA	Engineering House
21 Oct	4:30pm	Engineering Heritage Victoria (EHV)	Technical Seminar: <i>Church Street, Bridge</i>	Panel	Engineering House
21 Oct	5:30pm	Society of Fire Safety	Technical Seminar	TBA	Engineering House
22-24 Oct	All day	Bendigo Regional Group	Engineers Australia Country Family Weekend (Includes the McCormick Cup)	Sites visits and more!	
25 Oct	5:00pm	Society for Sustainability and Environmental Engineering (SSEE)	Technical Seminar	TBA	Engineering House
27 Oct	5:00pm	Water Engineering Branch	Technical Seminar	TBA	Engineering House
28 Oct	5:00pm	Australian Food Engineering Association (AFEA)	Technical Seminar	TBA	Engineering House
29 Oct	8:00am	Engineers Australia	Construction Induction Course (Red Card)	Anthony Corkhill	Engineering House
1 Nov	4:00pm	Australian Geomechanical Society (AGS)	Technical Seminar	TBA	Engineering House
3 Nov	4:00pm	Australian Geomechanical Society (AGS)	Technical Seminar	TBA	Engineering House
8 Nov	5:00pm	Royal Aeronautical Society	Technical Seminar	TBA	Engineering House
9 Nov	4:30pm	Structural Engineering Branch	Technical Seminar	TBA	Engineering House
10 Nov	4:00pm	Chartered Institution of Building Services Engineers (CIBSE)	Technical Seminar: <i>Fire and Life Safety</i>	TBA	Engineering House
11 Nov	5:00pm	Asset Management Council	Technical Seminar	TBA	Engineering House
12 Nov	6:00pm	Bendigo Group	LaTrobe University Graduation Dinner / Xmas Function	TBA	Foundary Arms Function Centre
15 Nov	5:00pm	Overseas Skilled Migrant Group	Technical Seminar	TBA	Engineering House
16 Nov	4:30pm	Biomedical Engineering College	Technical Seminar	TBA	Engineering House
16 Nov	5:00pm	Centre for Engineering Leadership Management (CELM)	Eminent Speaker Program: <i>Celebratory Function at Year's End</i>	TBA	Engineering House
16 Nov	5:00pm	Mechanical Engineering Branch	Technical Seminar	TBA	Engineering House
17 Nov	5:00pm	The Railway Technical Society of Australasia (RTSA)	Technical Seminar: <i>Craigieburn Rail Project – Including the building of new train stabling facilities at Craigieburn</i>	TBA	Engineering House
17 Nov	5:00pm	Australian Geomechanical Society (AGS)	Technical Seminar	TBA	Engineering House
22 Nov	5:00pm	Society for Sustainability and Environmental Engineering (SSEE)	Technical Seminar	TBA	Engineering House

Professional Development Program

Date	Time	Host	Event	Venue	Host
30 Sep	6:00pm	Engineers Australia	Process of Becoming Chartered Presentation	Rowan Crosbie-Goold	Engineering House
13 Oct	5:00pm	Engineering Education Australia	How to Write A Career Episode Report Workshop	Lyal Douglas	Engineering House
4 Nov	5:00pm	Engineers Australia	Process of Becoming Chartered Workshop	Rowan Crosbie-Goold	Engineering House
17 Nov	5:00pm	Engineers Australia	How to Write A Career Episode Report Workshop	Lyal Douglas	Engineering House
24 Nov	5:00pm	Engineers Australia	Professional Interview Workshop	Lyal Douglas	Engineering House