

# ev

engineers victoria



ENGINEERS  
AUSTRALIA  
Victoria Division

Quarterly Newsletter | Engineers Australia | Victoria Division | Volume 36 | December 2010

## Inside

2011 Division Committee

Year of Engineering Leadership summary

Young Engineer of the Year Award

Sir John Monash Suite

## Contents

A message from the Division President	2
2011 Division Committee	3
Menzies and BHERT Awards	4
Young Professional Engineer of the Year	5
2011 Excellence Awards	6
Sir John Monash Suite	7
All About You – Paul Collier	8
Year of Humanitarian Engineering	9
News from the Regions	10
New Chartered and Fellow members	11
CPD Calendar	12

## Division Supporters 2010



Produced by  
Engineers Australia, Victoria Division  
Engineering House  
Level 2, 21 Bedford Street  
North Melbourne VIC 3051  
Ph: 03 9329 8188 Fax: 03 9326 6515  
Email: [afitzpatrick@engineersaustralia.org.au](mailto:afitzpatrick@engineersaustralia.org.au)  
Web: [www.vic.engineersaustralia.org.au](http://www.vic.engineersaustralia.org.au)  
Edited by: Josie Emanuel

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 Division President ...



The last months of 2010 have seen several important developments and achievements by the Victoria Division.

On a National Level, an issue that engendered much discussion was the reworking of our By-Laws and Code of Ethics, in order to transform these fundamental principles of our profession into a true representation of how Engineers Australia now governs and relates with its membership.

Victoria Division Committee supported the changes and, after detailed discussion with the By-Laws Committee Chair, Peter Godfrey, endorsed the overwhelming decision of Congress to both review our Charter and to put it to the membership in the Ballot 2010. The affirmative outcome of this process will be a significant improvement in how we govern Engineers Australia in the future and the Engineering Team.

A major initiative during the year has been our participation in the Year of Engineering Leadership. It has been my privilege to acknowledge and give recognition to one of Australia's greatest engineers, Sir John Monash; an Engineer, Soldier and Humanitarian. His contribution was commemorated by the official opening of the Sir John Monash Suite at the Victoria Division office on 21 October, conducted by Minister Tim Pallas, Minister for Roads, Ports and Major Projects. I wish to convey my appreciation to the Division Committee staff who played a part.

The opening of the Monash Suite which now provides a lasting inscription to now give

inspiration to future engineers to become leaders in our community:

***"Adopt as your fundamental creed that you will equip yourself for life not solely for your own benefit but for the benefit of the whole community."***

**– Sir John Monash**

I wish to acknowledge the work done by various members in the Division by the establishment of the outer metropolitan group based in Dandenong. This Group enables those engineers in outer east of Melbourne to have the opportunity to participate in programs, both for professional development and networking that are needed to maintain the relevance of membership to outer metropolitan engineers.

The Country Family Weekend, undertaken by the Bendigo Group in Echuca on 22-24 October, was an outstanding success that enabled engineers and their families from regional and city areas to gather and enjoy fellowship, and a most informative technical and historical program. I thank all involved, and I look forward to the 2011 Country Family Weekend which will be held in Warrnambool by the Southwest Group, October 2011.

In closing I extend my full support to incoming President Paul Collier, and a very capable incoming Victoria Division Committee. I have pleasure in confirming that Victoria Division is a most actively engaged, capable and membership-focused organisation, to go forward in the Year of the Humanitarian Engineer.

Thank you.

**David Eltringham FIEAust CPEng**  
**Outgoing Division President**  
[vicpresident@engineersaustralia.org.au](mailto:vicpresident@engineersaustralia.org.au)

## International Women's Day

### 100th Anniversary Breakfast

#### Celebrating

### ***Professional Women's Networks Working Together.***

For women in engineering, project management, and all construction-related fields – this event is for you!

**Tuesday 8 March 2011**

**7-9am at Zinc, Federation Square**

Price: \$50 for members, \$60 for non-members  
or \$500 for table of ten (GST included)

RSVP: 28 February 2011

Sponsorship opportunities are still available. Please contact  
Gaye Francis: [wievic@engineersaustralia.org.au](mailto:wievic@engineersaustralia.org.au)

Early Registration: See Engineers Australia's website.



# Introducing the Victorian 2011 Division Committee, College Board Representatives and National Congress Members

We are pleased to announce the 2011 Victoria Division Committee. The following members were elected unopposed. The Division would like to thank all those who nominated for a position and also those who cast their vote. We look forward to an exciting year.

## 2011 Victoria Division Committee



**Paul Collier**  
FIEAust CPEng  
Division President



**John McIntosh**  
FIEAust, CPEng,  
EngExec  
Deputy President



**David Eltringham**  
FIEAust CPEng  
Immediate Past  
President



**Peter Bowtell**  
FIEAust CPEng



**Margaret Doring**  
FIEAust CPEng



**Mark Gregory**  
FIEAust



**Lawrence Chew**  
FIEAust CPEng



**Geoff Hayes**  
FIEAust CPEng



**Norman Tickner**  
FIEAust CPEng



**Annie Tchung**  
MIEAust

We would like to thank the 2010 Victoria Division Committee for their significant contribution to the Division.

**Mr David Eltringham** FIEAust CPEng  
*Division President*

**Mr Nicholas Phillips** FIEAust CPEng  
*Deputy Division President*

**Ms Madeleine McManus** FIEAust  
*Immediate Past President,*

*Elected National Congress Member*

**Ms Lucie Missen** MIEAust

**Dr Matthew Joordens** FIEAust CPEng

**Mr Paul Collier** FIEAust CPEng

**Mr Tim Plenderleith** MIEAust CPEng

**Mr Geoff Hayes** FIEAust CPEng

**Mr Lawrence Chew** FIEAust CPEng

**Mr Norman Tickner** FIEAust CPEng

**Dr Mark Gregory** FIEAust

**Mr John McIntosh** FIEAust CPEng EngExec

**Dr Andrew Price** MIEAust

**Mr Frank Novacco** OFIEAust

**Mr Tim Steinborner** FIEAust

**Ms Emma Russell** GRADIAust

**Ms Leanne Bracher** MIEAust

## Congratulations Paul Collier FIEAust CPEng – 2011 Division President



Paul Collier

Congratulations to Mr Paul Collier FIEAust CPEng, who has recently been elected the 2011 Victoria Division President.

Paul is a Fellow of Engineers Australia, Victoria Division, and has been a member of Engineers Australia for more than 20 years. He spent the early part of his career working in NZ and the UK before relocating to Melbourne in 1988. Paul has experience in business development and strategic planning, project management, design and design management. Working in the infrastructure sector, he has successfully delivered projects in Australia, NZ, the Middle East and Africa. He is currently Business Director Water for Beca in Melbourne.

His term as State President follows a long history of community involvement in School Councils, community and sporting groups.

As the Year of Humanitarian Engineering, 2011 will provide the profession an opportunity to both celebrate and showcase the vast array of humanitarian activities undertaken by the wider engineering community. Paul is looking forward to working closely with a number of organisations including EWB and RedR to continue the work done in recent years in engaging with our members at all levels across the whole of Victoria.

Paul notes that a key challenge for Engineers Australia is to remain relevant to both our members and the wider community. This will require a continuation of the activities commenced in recent years, particularly in terms of engagement with the whole engineering community.

In 2010 the Victoria Division Committee (VDC) laid the foundations for a more structured approach to Continuing Professional Development and this work will be continued in 2011 through a planned program of activities designed to provide opportunities for the sharing of knowledge and experience between members. Paul is particularly keen to ensure that the VDC continues to work closely together with Young Engineers and Women in Engineering as well as the Regional Groups.

Paul Collier can be contacted via the Division Office on 9329 1707 or [vicpresident@engineersaustralia.org.au](mailto:vicpresident@engineersaustralia.org.au)

## Victoria Division National Congress Members

**Geoff Hayes**  
FIEAust CPEng  
(2010-2011)  
Elected Member

**Madeleine McManus**  
FIEAust  
(2010-2011)  
Elected Member

**David Eltringham**  
FIEAust CPEng  
(2011-2012)  
Elected Member

**Norman Tickner**  
FIEAust CPEng  
(2011-2012) Victoria Division Committee  
Nominated Congress Member

We would also like to thank outgoing Victoria Division National Congress representatives for their contribution during their term:

**Mr Kelvin Lillingstone-Hall** FIEAust CPEng – Elected Member 2009-2010

**Mr Frank Novacco** OFIEAust – Victoria Division Committee National Congress Nominee 2009-2010

**Dr Julia Lamborn** FIEAust CPEng – Environmental College Nominee 2009-2010

## 2011 Victoria Division College Board representatives

**Biomedical College**  
**Chemical College**  
**Civil College**  
**Electrical College**

### OUTGOING

Dr Richard Kirsner FIEAust CPEng  
Mrs Georgie Wright MIEAust  
Mr David Sutcliffe MIEAust CPEng  
Mr Colin Frost MIEAust EngExec MAIPM

**Environmental College**  
**ITEE College**  
**Mechanical College**  
**Structural College**

Dr Julia Lamborn PhD FIEAust CPEng  
Mr Leigh Brown MIEAust CPEng(Ret)  
Mr Frank Hendriks  
Mr Richard Eckhaus FIEAust CPEng

### INCOMING

Mr Paul Junor FIEAust CPEng  
Dr Garry Bickle GradIEAust  
Mr John McIntosh FIEAust CPEng EngExec  
Mrs Michelle Radojkovic MIEAust  
Commenced mid 2009  
Mr Graham Moore MIEAust CPEng  
Mr Leigh Brown MIEAust CPEng(Ret)  
Mr John Mo FIEAust CPEng  
Ms Nicolette Cumbo MIEAust

## Menzies Awards

Mr David Sutanto GradIEAust has been awarded the Sir Robert Menzies Memorial Scholarship in Engineering for 2011. In co-operation with the Sir Robert Menzies Memorial Trust (UK) and the Australian Government Department of Education, Employment and Workplace Relations, the Menzies Foundation offers to Australians a post-graduate scholarship in engineering for tenure at universities in the United Kingdom for either one, two or three academic years.

Mr Sutanto was among four applicants invited for an interview in Melbourne on September 17, 2010. He holds the degrees of Bachelor of Arts (majoring in Planning and Design) and Bachelor of Engineering (Civil Engineering) from The University of Melbourne with First Class Honours (2008).

He will undertake a MSc in Transport at Imperial College London for one year commencing in October 2011.

Mr Sutanto follows the success of the 2007 Menzies Scholar in Engineering, Mr Adrian McCallum MIEAust. Mr McCallum took up his scholarship in 2007 at the Scott Polar Research Institute of Cambridge University, studying for a PhD in Polar Studies. Since being awarded the scholarship, he has worked as a Plant Operator and Research Engineer, British Antarctic Survey, Halley



L-r: David Sutanto, David Eltringham, Glenda Graham and Adrian McCallum.

Research Station, Antarctica. Mr McCallum's research pertains to the use of snow as a construction material, specifically looking at the use of commercial cone penetrometer equipment to assess the strength of polar snow; ultimately to assist in the construction of roads, runways and infrastructure in Polar Regions. He has undertaken the management of scientific field campaigns in Greenland, Svalbard, and Antarctica and is responsible for the inaugural conduct of Core Penetration Testing (CPT) in Polar Regions.

## BHERT Awards

Engineers Australia sponsors the BHERT (Business/Higher Education Round Table) Award for Best Higher Education and Training Collaboration. In 2010, the winning project was the Regional Civil Engineering Cadetship Program, awarded to La Trobe University, City of Greater Bendigo, Coliban Water, CPG Consulting, Foundation for Rural and Regional Renewal, Grampians Wimmera Mallee Water, Rural City of Wangaratta, SJE Consulting, Vic Roads, Chris Smith & Associates, Goulburn-Murray Water, GHD Consulting, Hindmarsh Shire, North East Water, Shire of Campaspe, Coleambally Irrigation, Queanbeyan City Council.

The project aims to foster regional support for civil engineering, and so far the course has received extensive support in the form of scholarships from regional organisations. In addition, schools are being actively engaged through talks on engineering to prospective students; attendance at careers expos and

targeted on-campus programs for prospective students. Furthermore the Science and Engineering Challenge program aimed at students in years 9 and 10 is very successful and is considered a vital component of the project. Improvement in the quantity and quality of students is correlated to all of the abovementioned activities.

The Civil Engineering scholarship project commenced in 2002 to try and address the shortage of civil engineers through collaboration with higher education bodies. Multi-layered agreements were put in place where organisations would provide financial support as well as work experience, mentoring, guest lecturing and in many cases employment upon graduation to students who chose to study civil engineering at the Bendigo campus of La Trobe University. Currently, there are 16 organisations participating in the scheme and 32 sponsored students.

The program developed and delivered a solution that served a regional need by linking regional students with regional employers. It provides real world practical experience for the students and benefits the organisations in the long term. Students and graduates are involved in high profile projects such as the Wimmera pipeline and large complex projects at Goulburn Murray Water.

The Department of Civil Engineering and Physical Sciences runs an extensive outreach program to encourage students to study civil engineering. For example, the Department coordinates the annual Science and Engineering Challenge in conjunction with Rotary International. This event is designed to raise the aspirations of high school students to study science and engineering.

Engineers Australia is pleased to sponsor such an award that seeks to make links between higher education and practical training.

## Leadership

Arup was proud to sponsor the 2010 Engineering Leadership Gala Dinner with guest speaker, **Professor Tim Flannery**, and we would like to extend our congratulations to the **2010 Young Professional Engineer of the Year, Dr Lisa Lowe**.

Leadership in design is at the heart of what we do. We are committed to delivering the best creative, sustainable solutions for every project, big or small.

The Arup Design Yearbook 2010 showcases 50 of our most creative, innovative and technically-excellent projects from the past year.

**To view an interactive version please visit our website at [www.arup.com](http://www.arup.com)**

**ARUP**

We shape a better world | [www.arup.com.au](http://www.arup.com.au)

# 2010 Young Professional Engineer of the Year announced



The winner of the **2010 Young Professional Engineer Award**, presented by Engineers Australia, Victoria Division was named at the Division's **2010 Engineering Leadership Gala Dinner with guest speaker Tim Flannery** on the evening of Friday, 15 October 2010.

Dr Lisa Lowe MIEAust CPEng was named the 2010 Young Professional Engineer of the Year for having demonstrated a high level of competence and significant achievement in engineering and community affairs.

Dr Lowe is an environmental engineer and over the past ten years has excelled on a range of diverse and challenging projects in the Water and Environmental sector at Sinclair Knight Merz.

As part of her PhD research, Dr Lowe developed an approach to address uncertainties in water accounting. Many of Dr Lowe's methods are being adopted by the Australian Bureau of Meteorology for inclusion in the National Water Account. Dr Lowe's expertise in water accounting also took her to the United Nations where she spent a number of months working with a global water accounting team.

Two High Commendation Awards were also announced and presented to Miss Nicolette Cumbo MIEAust, Development Planner with Port of Melbourne Corporation, and Mrs Astrid

Kauffman MIEAust CPEng, Manager, Safety Systems and Risk with Transport Safety Victoria.

Judges were impressed with the significant level of engineering proficiency, industry achievement and contribution to the profession of both High Commendation Award Winners.

Miss Cumbo's role as a Maritime Engineer has seen her encompass the areas of condition assessment and remediation, maritime infrastructure planning, project management and design.

She is also the current Chair of Engineers Australia, Victoria Division's Structural Engineering Branch.

Mrs Kauffman's career as a Mechatronics Engineer has seen her work on a broad range of projects including leading the investigation into the flammability of the military combat jacket.

Her commitment to the profession is evident in her role as Continuing Professional Development



2010 Young Professional Engineer of the Year Award recipient and High Commendation recipients with VicRoads CEO Gary Liddle. L-r: Dr Lisa Lowe, Garry Liddle, Nicolette Cumbo and Astrid Kauffman.

Coordinator for Engineers Australia, Victoria Division's Centre for Engineering Leadership and Management and her participation in the 2010 Engineers Australia Emerging Engineering Leaders Program.

Engineers Australia, Victoria Division would like to thank VicRoads for their ongoing support of this Award.

For more information on the 2011 Award, please contact Noel Dos Santos on (03) 9321 1726 or [ndossantos@engineersaustralia.org.au](mailto:ndossantos@engineersaustralia.org.au).

## Year of Engineering Leadership

The Engineering Leadership Flame was ignited in Victoria this year. The year saw unprecedented cooperation amongst the Victoria Division Office, various colleges and interest groups at State and National levels as well as Engineering Education Australia, to deliver the production of training and continuous professional development events inside the theme of Leadership and Management in Businesses and Engineering.

Right from the start of the year we saw Mr Peter Godfrey FIEAust CPEng EngExec, Immediate Past President of EA, focusing on the review of the Code of Ethics and By Laws later approved by National Council and the membership Ballot, closely followed by the launch of the Population Debate by Prof Doug Hargreaves FIEAust CPEng EngExec, then the new President of EA, in a very interactive function at Engineering House.

Climate change and possible avenues to resolve the energy crises also featured highly in the Eminent

Speakers Series where Professor Geoff Stevens (Melbourne University) demonstrated how "good engineering" can provide acceptable approaches for a sustainable future whilst Professor Hans Mueller-Steinhagen (German Aerospace Centre) showcased the large-scale production and storage of solar energy being developed in Spain and proposed in North Africa for transmission to Germany and other European Countries.

Paul Douglas HonFIEAust CPEng EngExec (CEO of Sinclair Knight Merz) captivated the audience with his solid yet humble leadership style sharing his wisdom and experience after 14 years of stellar performance of SKM under his watch.

Professor Robin Batterham FIEAust CPEng (Former Chief Scientist of Australia) stressed the imperative of Innovation as the way for engineers to create a future of prosperity for Australia and Margot Cairns (regular columnist in the monthly EA magazine) provided priceless insights into tackling crucial strategic issues in management, leadership and business.

Professor Jeffrey V. Rosenfeld, Head of the Department of Surgery, Monash University, shared the experiences of his exemplary career, filled with successes and achievements in surgical and bionic technology, thus providing the ultimate role model of a dedicated leader who contributed so much to the community.

In October Professor Danny Samson, Professor of Management, University of Melbourne, provided an outline

of what makes excellent organisations and how to develop the leadership characteristics to be able to build a culture of excellence. Also in October, some of us had the great privilege of personally meeting Professor Tim Flannery at the Engineering Leadership Gala Dinner, attended by more than 350 guests and sponsored by ARUP. Professor Flannery helped us to put in perspective how humanity got to where it is now and where are we heading in terms of population growth and the true relationship with the planet on which our biological, economic and cultural futures depend.

In November Vic CELM closed this year's activities with a panel discussion on what Coaches and Mentors actually do to help people in their leadership journey.

EAA staged the inaugural Senior Engineers Leadership Residential in the world class resort located in Healesville in the Dandenong Ranges. This event alone brought industry and government leaders of the first line to share their leadership lessons in the areas of change management and leading through crisis.

In closing, I express my deepest heartfelt thanks to all of those speakers who donated their time and shared their wisdom with the sole purpose of making this a better world through leadership.

And to give credit where credit is due, congratulations for a great result to all the volunteers in EA Victoria Division and Office Staff that made it all possible; and thanks for the contributions of the various sponsors.

**Ed Custeau**  
Chair of Vic CELM



Chairman and CEO of Siemens, Albert Goller, addressing attendees at the Leadership Residential.

# The Victorian Engineering Excellence Awards are on again in 2011...

The Victorian Engineering Excellence Awards program is an opportunity for businesses of all sizes, across a wide range of sectors, to showcase their engineering achievements. The Awards will celebrate the world class standard of Victorian engineering at a formal dinner and awards ceremony in September 2011.

In 2011, entries will be accepted in the following categories\*:

- *Engineering Excellence Award for **Environment***
- *Engineering Excellence Award for **Infrastructure***
- *Engineering Excellence Award for **Smart Systems***
- *Engineering Excellence Award for **Buildings and Structures***
- *Engineering Excellence Award for **Initiatives that shape our Future***
- *Engineering Excellence Award for **Product Design and Manufacturing***
- *Engineering Excellence Award for **Research & Development/ Innovation***

\***Note:** Applicants may enter multiple categories

## KEY DATES

### Registration to enter due

Monday 11 April 2011

### Shortlisted entries confirmed

Week of Monday 25 April 2011

### Entry submissions due

Wednesday 15 June 2011

### Site visits

Monday 11 July – Friday 29 July 2011

### Awards Presentation Dinner

September 2011 (Day TBC)

## WHY ENTER THE AWARDS?

There are many benefits of being shortlisted for and/or winning an award of excellence, including:

- Recognition of your organisation's achievements
- Creation of PR/media promotion opportunities
- Motivation of your team / Corporate pride
- Distinguish yourself from your competitors
- Enhancement of your brand
- Global benefits of a recognised endorsement from your industry

## WHO SHOULD ENTER?

Any company, individual or joint venture that has completed an engineering-related project, product, process, report or other work between 30 June 2010 and 15 June 2011, that they believe is an example of outstanding engineering practice and that meets the judging criteria, is eligible.

To register your interest to receive an Entry Invitation in early 2011 or for more information please contact Erykah Sklivas, on (03) 9321 1716 or email [esklivas@engineersaustralia.org.au](mailto:esklivas@engineersaustralia.org.au).

## Engineering Leadership Gala Dinner



Guest speaker Prof Tim Flannery

The Engineering Leadership Gala Dinner 2010, presented by Arup, was held on October 15 in the Palladium Ballroom, Crown to help celebrate the Year of Engineering Leadership.

Over 350 guests attended the black tie event to hear one of Australia's leading scientists, conservationists and authors, Professor Tim Flannery.

Dr Gael Jennings, MC, introduced the evening by commemorating Brigadier Wilfrid Dinsey Chapman; a role model

who offers inspiration to the engineering profession and epitomises the credo of the Year of Engineering Leadership. Mr Peter Bowtell FIEAust CPEng of Arup followed the commemoration by proposing the Toast to Engineers.

The VicRoads Young Engineer of the Year Awards were announced during the evening. Dr Lisa Lowe MIEAust CPEng was awarded the 2010 Young Professional Engineer Award for her competence in the environmental engineering sector and her high level of community involvement.

High Commendations were also awarded to Miss Nicolette Cumbo MIEAust, Development Planner with Port of Melbourne Corporation and Mrs Astrid Kauffman MIEAust CPEng, Manager, Safety Systems and Risk with Transport Safety Victoria.

Guests were treated to a wonderful performance by Melbourne Ballet Company, who presented an elegant ballet piece from an acclaimed production called 'Scarce Resources', chosen to tie in with the evening's sustainability theme. Such a presentation provided a fitting prelude to the highlight of the night, guest speaker Prof Tim Flannery.

The 2007 Australian of the Year entertained and inspired attendees with his thought-provoking presentation on issues facing modern times; namely climate change, emissions and the possibility of a sustainable future. His arguments for hope to move from our current lifestyle to a more sustainable future were well received, and he labeled engineering as a critical profession in the coming century because of its mantra of putting thought and social concepts into action.

Prof Flannery suggested his audience think of engineers as the interface between human beings and the planet, encouraging them to critically reflect on the environmental challenges we are facing and strive to build strong foundations for the future.

Division President David Eltringham FIEAust CPEng noted the refreshing and inspiring nature of Prof Flannery's optimistic approach to our changing environment and presented him with a copy of the biography of Sir John Monash as a token of appreciation.

The overwhelming success of the Gala Dinner was made possible by our generous sponsors Arup, RMIT University, VicRoads, City of Melbourne, Siemens and Engineering Education Australia.

## Engineering Heritage Conference 2011

The next Engineering Heritage Australia conference will be held in Hobart on 13-16 November 2011. The venue is the Wrest Point Conference Centre on the shores of the River Derwent.

Attendees will be welcomed at a social gathering on the Sunday evening. The three days of sessions will include a Tuesday afternoon breakout for a local tour. The 4 day pre-conference tour will take place from Thursday to Sunday, visiting the North and West of the State.

The Call for Papers was issued in November 2010, and abstracts are due by 28 February 2011.

You can refer to the conference website [www.cdesign.com.au/ehac2011](http://www.cdesign.com.au/ehac2011) for additional information and contact details.

# Professor Tony Wong – Australia's 2010 Civil Engineer of the Year



Prof Tony Wong

In recognition of the excellence of his contribution to civil engineering, both across Australia and internationally, Professor Tony Wong, MIEAust CPEng, of Monash University and AECOM in Melbourne was

officially recognised

with the presentation of the Sir John Holland Civil Engineer of the Year Award 2010 in Canberra on Thursday 28 October.

Matthew O'Hearn, FIEAust CPEng, Chair of the Engineers Australia Civil College Board, said that Professor Wong has helped define a new paradigm for design of urban environments that blends creativity with technical and scientific rigour.

"Professor Tony Wong is a visionary and his achievements to date are in keeping with the spirit of the Sir John Holland Civil Engineer of the Year Award.

"Throughout his career, he has been an effective thought leader and he continues to encourage his colleagues and clients through his passion and dedication to building sustainable environments."

Professor Wong has an international reputation for his research and practice in sustainable urban water management. His career has been devoted to linking research and practice, with a focus on

integrated urban water cycle management and Water-Sensitive Urban Design to deliver more sustainable developments.

In presenting the award, Dennis Brewer, FIEAust CPEng, Executive General Manager – Strategic Projects for the John Holland Group, said that he was proud that the award continued to honour the indelible mark that Sir John Holland had left on Australian engineering and construction, and that the achievements of Professor Tony Wong as this year's winner were again outstanding.

In accepting the award, Professor Wong said, "Today, the challenges of the delivery of sustainable and resilient environments, both urban and rural, require more than ever the interdisciplinary training of a civil engineer to provide leadership in fostering coordination of efforts in the social and physical sciences."

Professor Wong provides strategic advice on sustainable urban water management to Australian federal, state and local governments, as well as continuing his advisory role to the Government of Singapore. He has published widely, with over 100 articles in industry and scientific journals, including a series of book chapters in UNESCO publications.

Professor Wong joins the circle of notable past winners of the award which include Mr Chris Dann, Associate Professor Ron Cox, Professor Archie Johnston, Dr Jim Gill, Mr Peter Stewart, Mr Bill Wild, Professor Harry Poulos, Mr Wal King, Mr Max Ervin, Dr Rory Nathan and Mr Doug Price.

Further Information: John Bright – 0407 234 490 or [jbright@engineersaustralia.org.au](mailto:jbright@engineersaustralia.org.au)

## Sir John Monash Suite



L-r: Minister Tim Pallas, Minister for Roads, Ports and Major Projects; Dr John Connell, Division President David Eltringham.

FIEAust CPEng gave his president's speech. His speech focused on 2010 as the Year of Engineering Leadership, acknowledging Sir John Monash as a leader of the profession. He outlined Monash's immense engineering contributions as well as commenting on his military involvement, civilian life and scholastic achievement. Mr Eltringham also made reference to Kernot and Chapman as part of the Year of Engineering Leadership, and guests were later invited to inspect the new Kernot Members Lounge and Chapman Room.

Major General Jim Barry then spoke on behalf of the Spirit of Australia and proposed a toast to Monash and engineers, which was followed by the official opening.

Minister Pallas spoke of Monash as a 'nation builder' and identified parallels between the projects he undertook and those we commit to today, suggesting that as we enter the construction phase of the Regional Rail Link and the planning stage of the Melbourne Metro underground rail link, we would do well to emulate the engineering and project management skills of Sir John Monash.

On 21 October, 2010, the Sir John Monash Suite was officially opened by Tim Pallas, Minister for Roads, Ports and Major Projects at Engineering House in North Melbourne. The opening commemorated the life and achievements of Sir John Monash, whom Minister Pallas referred to as Australia's greatest engineer.

Executive Director Glenda Graham made the official welcome before Division President David Eltringham

## SAVE THE DATE!

10/03/2011

### Fellows Luncheon

We invite you to help celebrate the launch of the Year of Humanitarian Engineering at the first Fellows Luncheon of the New Year.

**Topic:** The role and impact of commercial, humanitarian and developmental engineering contributions to the Australian Aid Programme

**Guest Speaker:** Mr Peter Baxter, Director-General of AusAID

**Date:** Thursday 10 March 2011

**Time:** 12 noon–2pm

**Venue:** Palladium Ballroom, Crown Towers Melbourne

26/05/2011

### Though Leaders Breakfast

**Topic:** International Cities of the Future: Sustainable, Liveable and Smart.

**Guest Speaker:** Mr Tony Arnel, Chairman of the World Green Building Council and Green Building Council of Australia, as well as Victorian Building & Plumbing Commissioner.

**Date:** Thursday 26 May 2011

**Time:** 7.00am–9.00am

**Venue:** River Room, Crown Towers Melbourne

## City FM Signs a PDP

On Friday 5 November, City Facilities Management Pty Ltd signed a Professional Development Program (PDP) agreement with Engineers Australia to commemorate the company's commitment to supporting its engineers towards achieving Chartered Status. Managing Director Andrew Jennings said this was an important step for the company, and that the professional development of staff was very important to the ongoing growth and development of the company's operations.



City Facilities Management Managing Director Andrew Jennings and Engineers Australia Industry Manager Rowan Crosbie-Gould.

# All About You!

## Paul Collier



**Volunteer Involvement:** I am a strong believer in giving back to the community wherever possible. Over the years I have managed sports clubs, spent 13 years on School Council (10 as President), helped with Scouts, been involved with a wide range of charity fund raising activities and coached soccer and basketball teams. I am currently on EA Victoria Division Committee, and take over as Victorian president in 2011.

**Job Title:** Business Director Water with Beca Pty Ltd.

**Did you always want to be an engineer?** I didn't know for sure what I wanted to do when I finished High School but then got a holiday job with a firm of consulting engineers. The passion and enthusiasm that the staff there had for their work was quite inspiring and I have never regretted my choice of career.

**If you weren't an engineer, what would you be doing?** I couldn't think of anything else that I would rather do. My career has provided me with a huge variety of opportunities and the fact that our profession really does make a difference is a source of immense pride to me.

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

The aquatic centres at Melton and Moorabbin which were among the first indoor wave pools constructed in Australia and which introduced a whole new leisure experience to the wider community.

**What prompted you to become a member of EA and what are the main benefits for you?** After spending a number of years travelling I got a job in NZ and joined IPENZ. It was then a logical step to join EA when I shifted to Melbourne in the late 1980s. The main attraction for me is the way EA represents its members at a personal level, particularly in terms of professional development. Networking and the opportunity to discuss issues with your peers is also a big plus.

**Favourite engineering feat:** The evolution of bridge design which now results in a blend of artistic excellence and functionality.

**What do you enjoy doing in your spare time:** I enjoy travelling and experiencing new sights and foods. In winter I am a passionate skier.

**Dream job:** An office in Vancouver close to the ski fields.

**3 words to best describe you:** Enthusiastic, optimistic, committed.

**What makes you laugh?** People who see the lighter side of life and who are happy to share their viewpoint.

**Favourite quote:** "Will it make the boat go faster?" (Sir Peter Blake)

This comes from an America's cup campaign when all of the ideas and contributions were tested against the team mantra in order to keep the right focus on the project.

**Favourite movie:** A number of movies over the years have impressed me for different reasons. Two that come to mind are "Once Were Warriors" for its gritty portrayal of life and "Avatar" for its technical excellence.

# 2011 ENGINEERING EXPO

## CALL FOR EXHIBITORS

31 March 2011 • 2pm - 7pm • Etihad Stadium @ Docklands

ENGINEERS AUSTRALIA, VICTORIA DIVISION INVITES YOU TO REGISTER TO ATTEND AUSTRALIA'S **BIGGEST FREE ENGINEERING EXPO**

This event will provide you access to;

- 70+ Exhibitors
- Recruitment Opportunities
- Engineering Industry Insight
- Leadership Information
- FREE Seminars
- Career and Professional Development Advice
- Updates on Engineering Projects
- Knowledge on Engineering Capability

[www.engineeringexpo.org.au](http://www.engineeringexpo.org.au)



ENGINEERS  
AUSTRALIA  
Victoria Division

The **2011 ENGINEERING EXPO** will serve to not only **promote employment opportunities** in engineering but also **celebrate Victorian engineering excellence** and **advocate the importance of engineering leadership** within the profession.

**Be seen alongside other leading engineering companies at the largest engineering expo in the country.**

Over 8000 attendees expected to attend!

**Secure your organisation's booth by contacting** Noël Dos Santos on **(03) 9321 1726** or email **ndossantos@engineersaustralia.org.au**

## 2011 Engineering Employment Directory – **FREE** Opportunity to promote your company as an employer of choice!

Engineers Australia, Victoria Division is preparing the next edition of our Engineering Employment Directory, which is due to be released at our annual Engineering Expo on 31 March 2011.

**The Engineering Employment Directory**, a free comprehensive resource designed to assist in the search for vocational, graduate or professional engineering employment opportunities, is exclusive to Engineers Australia members via the 'Members Only' section of the website.

The 2011 edition of the Directory is expected to contain over 180 listings. As such, we invite you to secure a complimentary listing in the next edition.

This is an ideal opportunity to raise your corporate profile amongst a suitable pool of candidates, which is sure to assist you in your upcoming recruitment campaign.

With your support, we will continue to provide the clear message, to members and industry alike, that engineering offers great career opportunities.

To ensure your company does not miss out on this free marketing opportunity, secure your listing by contacting Emily James by phone (03) 9329 8188 or email [ejames@engineersaustralia.org.au](mailto:ejames@engineersaustralia.org.au)



## Division President's Visit to Sunraysia



Division President David Eltringham FIEAust CPEng visited Mildura and the Sunraysia Group on 11-12 September 2010.

Included in the trip was an inspection of the Millewa 'A' Pump Station, the last operational wood fired, steam-driven pump on the Murray River still in its original state. Constructed by the State Rivers and Water Supply Commission in 1927, the pump station formed

part of an Irrigation scheme and provided a once a year supply of stock and domestic water to farm storages between the Murray River and the Sunset country, west of Mildura.

Millewa 'A' was decommissioned in 1974 and replaced by an electric pumping installation and open channels were replaced by a pipeline scheme.

The President also visited the confluence of the Murray and Darling Rivers, the Botanical Gardens and local environs, and most importantly, spent time with members of the Sunraysia Group.

## EHV Site Visit: Russell Place Zone Substation

EHV members visited CitiPower's Russell Place Zone Substation on 26 August, 2010. Hosted by Engineers Heritage Victoria, the visit allowed participants to witness an important part of the city's infrastructure that usually remains hidden.

The present CitiPower owned Russell Place electricity zone substation dates from c1950 and is a below-ground importation substation taking supply from Richmond Terminal Station and in turn supplying individual distribution substations in nearby city block.

It was also the last place to supply low-voltage DC to commercial customers.

The glass-bulb mercury arc rectifiers and open panel DC switchboard still exist and the rectifiers were demonstrated operating into a dummy load during the visit.

A selection of items related to early electricity supply and utilisation were also on display.

The Russell Place substation site itself has an electricity supply history going back to the nascent Australian Electric Company in 1882, which was outlined during the site visit.

The visit followed a similar one held last year which followed on from the Melbourne Open House event; an initiative of the Committee of Melbourne that showcases Melbourne's unique architectural heritage, aiming to foster appreciation of the value of architecture, urban design and design excellence.



The glass-bulb mercury arc rectifiers of the Russell Place electricity zone substation.

# → 2011 year of humanitarian engineering

Engineers Australia is proud to announce that **2011 is the Year of Humanitarian Engineering** – a year in which we will recognise the role of engineering in improving quality of life and disaster recovery in Australia and abroad.

All statistics sourced from [www.globalissues.org](http://www.globalissues.org)

It's up to us to engineer a better world.

[makeitso.org.au/humanitarian](http://makeitso.org.au/humanitarian)



# News from the Regions

## 2010 EA Country Family Weekend

Engineers Australia's annual Family Weekend, an opportunity for Victorian engineers to come together, was this year held in Echuca from Friday 22 October to Sunday 24 October.

Continuing the success of previous weekends held across regional Victoria, this year's event was once again a resounding success. Members of the Bendigo Group worked hard to provide an exciting and rewarding program, showcasing the Echuca region both in terms of tourist attractions and engineering projects.

Attendees arrived on the Friday night for a meet and greet session with fellow EA members and their families in the balmy Echuca weather. Saturday morning saw the continuation of the tradition that is the McCormack Cup Golf Tournament, this year won by Paul Bowe, while others took the opportunity to explore the townships of Echuca and Moama and appreciate the ambience of the area. Midday saw attendees share a companionable BBQ lunch, while the afternoon's activity of a bus tour proved enjoyable and educational. The tour's first stop was Torrumbarry Weir where participants were able to inspect the reconstruction of the Weir wall and the fish ladder. The tour then continued through to Lockington en route to Rochester to the Campaspe River Siphon, built in the early 1900s to take the Waranga Mallee channel under the Campaspe River. Attendees were able to witness the running of a world first operation when they observed the

works being carried out for the Food Bowl modernisation program, which is the modernisation of the water supply channels.

In the Year of Engineering Leadership, it was particularly pertinent that attendees were able to witness some of the Sir John Monash projects.

Saturday's three course dinner was held in the Murray River Room at the Port of Echuca Motel, during which guest speaker Mr Mal Kersting from VicRoads enlightened his audience on the processes for the proposed new Murray River Crossing at Echuca.

On Sunday morning attendees were treated to a cruise along the Murray on the 'Pevensey' paddle steamer. An inspection of the \$15,000,000 Wharf Redevelopment followed, before attendees travelled interstate for a traditional Engineers lunch at Morrison's Winery.

The setting of Echuca provided ample opportunities for mingling and engineering-related activities; while the Golf Tournament and Saturday's site visits bus tour were well received, Sunday morning's Paddle Steamer Ride was reportedly the activity that was most enjoyed.

Those in attendance reported an enjoyable and rewarding weekend.

Many thanks to Martin and Mary-Anne Duke, and Paul Bowe, for organising the weekend.



## The South West Group Update

The South West Group visited the Origin Energy Gas Fired Power Station in Mortlake during Engineering Week. The plant is into the final stages of construction, and about 25 members were taken on a guided tour of the new facility which is expected to satisfy peak demand for electricity from 2011. The twin gas turbines draw natural gas from the Casino gas fields off shore from Port Campbell, which is delivered by an 80km pipeline direct to the plant. The power station is conveniently located adjacent to the high voltage transmission lines running to Portland and switching works have nearly been completed.

On 27 October, the group convened in Hamilton for a technical presentation by Mr Stuart McLennan. The topic being "Design Response to February 2009 Victorian Bushfires", the presentation was of keen interest to many of our members, with 27 people in attendance. Stuart enlightened the group with the design process now required to assess residential buildings for BAL ratings. He also provided some interesting examples of buildings where the new Standard has been applied, some successfully and some not so effectively. Overall, the group gained a significant amount of information on the night which will be valuable for future design works.

Our final event for 2010 will be a tour of the new Gunn's Woodchip Facility at the Port of Portland in early December.

As a further note, we are excited to be hosting the 2011 Country Weekend (October) in Warrnambool. The committee has planning for the event underway which is shaping up to be an action-packed weekend. We hope you will all come along to the beautiful South West next year!

**Brett Johnston**  
Secretary

## Senior Engineers Group (SEG)

The Senior Engineers Group (SEG) was authorised by the Division Committee to be formed in 2009 as a support resource for Victoria Division. The Group completed its 2010 program of presentations in November by hosting Professor John Wilson FIEAust CPEng of Swinburne University of Technology, speaking on the 2010 Victorian Infrastructure Report Card. The final event for the year is a social celebrating Division volunteers, to be held at Engineering House following the AGM on Wednesday, 1 December, 2010.

During the year, the SEG has assisted the Executive Director by way of supporting the Division's Engineering Week and the Science and Engineering Challenge, as well as in the preparation of reports. The SEG will continue with these projects in 2011.

The SEG committee is working on the details of the program of presentations for 2011; these are to include hosting the 2011 National President, Merv Lindsay FIEAust CPEng, a presentation on General Sir John Monash, and in March 2011, a workshop on the loss of major engineering design work to overseas firms.

Details on SEG objectives and 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 Elaina Pittas at Engineers Australia Victoria Division.

**Ian Kerr**  
SEG Group

## Ballarat Group News

August saw our group take two bus loads of engineers, many of whom were invited IPWEA members, to the Anthony's Cutting bypass project. VicRoads provided escorted four wheel drives for all visitors to get up close to the various works and witness a great project.

Also in August, several Ballarat Group members manned the stands at the local careers expo for secondary students, an annual event which attracts several thousand visitors. Our group also began the Year 10 Engineering Encouragement Award presentations at local secondary schools. In the end we made presentations at ten schools before over 5,500 students, and completed a successful year of promoting the awards.

September saw the Technologist's Picnic at Sovereign Hill, with a stand-in presentation about surface coatings, after the scheduled speaker became ill.

October was disappointing on one hand, because we were unable to get the local university to pull together the traditional final year student presentation evening. On the other hand, it was very uplifting when Mike Caldwell, Gary Bunn and I acted as judges for the state finals of the 'F1 in Schools' competition held in Ballarat. There are definitely future engineers amongst the entrants! That completed our year of promoting engineering along with the 'Science & Engineering Challenge', our year 10 awards, and the careers expo. We hope to have influenced a few to look further into engineering.

And congratulations to the Bendigo group for their country weekend.

Now 25 November and our AGM looms close. We hope to be able to keep momentum up in 2011!

**Brian Sala**  
Chair

## Bendigo Group

### Fellows Luncheon

On the 28 October twenty six members and guests attended the 2010 local Fellows Luncheon held at the Sandhurst Club. Guest speaker was Executive Chairman Paul Chapman of Australian Turntable Company which is a local family owned business that in 20 years has grown to provide turntables to the exhibition industry and to the development industry, including the installation in Iran of the world's largest revolving restaurant with a 50-metre diameter. An excellent afternoon was enjoyed by all with great food and wine, and Paul provided an entertaining outlook on the challenges of establishing local businesses which focus on world markets in an increasingly competitive environment.

### Graduation / Christmas Function

On Friday the 12<sup>th</sup> November the graduation/Christmas function was held at the Foundry Arms Complex in Bendigo. This function acknowledges the new civil engineering graduates from LaTrobe University of which there were 14 this year. We had 86 members and guests present.

Guest speaker was Neil Proud, a civil engineer (Bendigo Graduate) with experience in the planning, management, design, construction and contract administration of civil, marine and building projects throughout the world and has of recent times been involved in the Botany Bay wharf expansion.

Neil provided an overview of this billion dollar Botany Bay expansion project currently being undertaken by Sydney Ports Corporation (SPC). The port expansion includes 1.8km wharf, five berths and 60 ha land reclamation which will increase capacity and allow Sydney to cater for trade growth for the next 25 years and beyond. When it opens in 2011, the expansion will allow for the introduction of a third stevedore to stimulate competition and pass on benefits to industry and the community.

Special thanks to our sponsors: Engineers Australia, City of Greater Bendigo, LaTrobe University, VicRoads, Coliban Water, Terraco, Tomkinson, CPG, Bendigo Mining, Loddon Shire Council, North Central CMA, Total Property Developments, Four Seasons Waste.

**Paul Bowe**  
Chair

## Goulburn Valley Group Update

The Goulburn Valley Group of Engineers Australia has held a mixture of events over the last few months. The group celebrated Engineering Week in August by holding its Annual General Meeting; a great evening was had by the 100 plus attendees with the crowd being thoroughly entertained by comedian Greg Champion. A number of lunch and evening presentations have been held including Hot Dip Galvanising by the Galvanisers Association of Australia on 6 August; Hydroelectric Power Generator by Paul Kouris on 17 September, which gave insight into a turbine recently installed on the Steavenson River which harnesses the rotational kinetic energy contained within the vortex of water; and Aami Park Stadium by Peter Bowtell of Arup on 4 November, on the design and construction of the state-of-the-art stadium at Olympic Park.

The group also held its annual Math/Science awards on 8 September, presenting awards to the value of \$1,000 to the region's top five students and a \$250 Hannam Student Encouragement Award in recognition of the best female Maths/Science student in Year 11.

## Engineers Australia Gippsland Group Update

On 26 October the Friends of Dredger 21 Group were presented with two cheques; \$10,000 from State Government Heritage Funding and \$30,000 from Powerworks, and were formally handed the keys to Dredger 21.

Duncan Orr, the Chair of Friends Group and fellow committee member of EAGG, introduced Minister Peter Batchelor, who made the Heritage Grant Presentation. This is a local project the Gippsland group has been pushing over the past year or so, and EAGG members will be volunteering more time in the coming years as part of the preservation works.

**Jon McNaught**  
Chair

## Congratulations to Chartered members

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

Mr	Chi Fai	Chung	MIEAust	CPEng
Mr	Joel	Gniel	MIEAust	CPEng
Mr	Bradley	Abbott	MIEAust	CPEng
Mr	Lester	Schutz	MIEAust	CPEng
Mr	Andrew Stirling	Russell	MIEAust	CPEng
Mr	Simon Grant	McCarthy	MIEAust	CPEng
Mr	Fred Werner	Gassner	MIEAust	CPEng
Mr	Damon	Jericho	MIEAust	CPEng
Mr	Manaskumar	Sinhababu	MIEAust	CPEng
Mr	Shahram	Shadmand	MIEAust	CPEng
Mr	Nicholas	Welch	MIEAust	CPEng
Mr	Steven	Smith	MIEAust	CPEng
Mr	Asela	Devendra	MIEAust	CPEng
Mr	Ashley	Pollard	MIEAust	CPEng
Mr	Jonathan	Connolly	OMIEAust	CEngO
Mr	Scott Stephen	Cornish	MIEAust	CPEng
Mr	Raymond	Weber	MIEAust	CPEng
Dr	Ganeshalingam	Manivannan	MIEAust	CPEng
Mr	Vartan	Yaylaian	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:

Mr	Paul John	Adams	FIEAust
Mr	Joseph	Bruno	FIEAust
Mr	Mark James	Byrne	FIEAust CPEng
Ms	Lucia Estana	Cade	FIEAust
Mr	Michael James	Goodwin	TFIEAust
Mr	Alfred George	Hertaeg	FIEAust
Dr	Daniela Magdalena	Ionescu	FIEAust
Mr	Paul Andrew	Junor	FIEAust
Mr	Howard Bruce	McDonald	FIEAust
Mr	Venket Ram	Naidu	FIEAust
Mrs	Malgorzata Maria	Niepostyn	FIEAust CPEng
Dr	Meredith	Rogers	FIEAust
Ms	Leni	Sales	FIEAust
Prof	Liuping	Wang	FIEAust
Mr	Kai Cheung Peter	Wong	FIEAust
Dr	Yonggang	Zhu	FIEAust

## Continuing Professional Development (CPD)

Victoria Division offers CPD in a broad range of technical disciplines in both metropolitan and regional Victoria, 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.

For full details visit our website.

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
Dec 21	5:30 PM	Biomedical College (Society for Medical & Biological Engineering)	Technical Seminar		Engineering House
Dec 21	6:00 PM	Mechanical Branch	Technical Seminar		Engineering House
Jan 19	1:00 PM	Department of Industry, Innovation and Development (DIIRD)	DIIRD Skilled Migrant Expo for Overseas Qualified Engineers		Engineering House
Jan 19	6:00 PM	Campus Coordinator Planning Day	Campus Coordinator Planning Day		Engineering House
Jan 20	6:00 PM	Society of Fire Safety	Technical Seminar: Fire Chat		Engineering House
Jan 25	6:00 PM	Society for Sustainability and Environmental Engineering	Technical Seminar		Engineering House
Feb 01	6:00 PM	Civil Infrastructure Branch	Technical Seminar: <i>Melbourne Desalination Project</i>	Panel	Engineering House
Feb 07	8:00 AM	Asset Management Council (AMC)	Training Course: <i>Asset Management Fundamentals</i>		Engineering House
Feb 08	5:30 PM	Structural Branch	Technical Seminar		Engineering House
Feb 09	5:30 PM	Australian Geomechanics Society (AGS)	Technical Seminar		Engineering House
Feb 10	5:30 PM	Asset Management Council (AMC)	Technical Seminar		Engineering House
Feb 14	6:00 PM	Overseas Qualified Engineers Group (OOEG)	Overseas Qualified Engineers Seminar		Engineering House
Feb 15	5:30 PM	Biomedical College (Society for Medical & Biological Engineering)	<i>Technical Seminar</i>		Engineering House
Feb 15	6:00 PM	Australian Cost Engineering Society (ACES)	Technical Seminar		Engineering House
Feb 16	5:30 PM	Joint Victorian Chemical Engineering Committee (JVCEC)	Technical Seminar		Engineering House
Feb 16	5:30 PM	Railway Technical Society Australia (RTSA)	Technical Seminar		Engineering House
Feb 16	6:00 PM	Victoria Division: National Assessor	Career Episode Report (CER) Writing Workshop		Engineering House
Feb 17	5:30 PM	Engineering Heritage Victoria (EHV)	Technical Seminar		Engineering House
Feb 21	6:00 PM	EEEVic Presentation	EEEVic Presentation		Engineering House
Feb 22	5:30 PM	Biomedical College (Society for Medical & Biological Engineering)	Technical Seminar		Engineering House
Feb 23	6:00 PM	Asset Management Council (AMC)	AGM		Engineering House
Feb 23	6:00 PM	Society for Sustainability and Environmental Engineering (SSEE)	Technical Seminar		Engineering House
Feb 24	5:00 PM	Water Engineering Branch	Technical Seminar		Engineering House
Feb 24	6:00 PM	Australian Food Engineering Association	Technical Seminar		Engineering House
Mar 03	8:00 AM	Engineering Education Australia	The Graduate Program		Engineering House
Mar 03	6:00 PM	Victoria Division: National Assessor	Career Episode Report (CER) Writing Workshop		Engineering House
Mar 08	5:30 PM	Structural Branch	Technical Seminar		Engineering House
Mar 10	8:00 AM	Engineering Education Australia	The Graduate Program		Engineering House
Mar 10	5:30 PM	Asset Management Council (AMC)	Technical Seminar		Engineering House
Mar 10	6:00 PM	Society of Fire Safety	Technical Seminar: <i>Fire Chat</i>		Engineering House
Mar 15	5:30 PM	Biomedical College (Society for Medical & Biological Engineering)	Technical Seminar		Engineering House
Mar 15	6:00 PM	Australian Cost Engineering Society (ACES)	Technical Seminar		Engineering House

It's your  
**CPD**

■ understand it...  
■ do it...  
record it...

.....> visit [www.engineersaustralia.org.au/cpd](http://www.engineersaustralia.org.au/cpd)

