

news from

# ENGINEERING WA

ENGINEERS AUSTRALIA WA DIVISION NEWSLETTER MARCH 2010

## Excellence Awards to celebrate state's best

The WA Engineering Excellence Awards Program for 2010 was officially launched at a Breakfast at the Perth Convention Exhibition Centre on Wednesday 10th March.

WA Division President Tony Lucey FIEAust was on hand to open the Call for Entries and emphasise the importance of engineering excellence to the state.

"The pioneering qualities and excellence of Engineering in Western Australia have underpinned the development of our flourishing modern state.

"Equally, the continued creativity and panache of Engineering will guarantee our State's future success and well-being, taking it to new levels of growth and diversity," he said.

In 2009 the Angel Project, submitted by Woodside, JP Kenny, KBR, Transfield Worley and WorleyParsons won the Resource Development Category as well as taking out the Overall Winner Award.

The project then went on to win at the Australian Engineering Excellence Awards.

Other projects to win at the WA Engineering Excellence Awards in 2009 are listed below.

**Australian Marine Complex – Floating Dock**  
Submitted by LandCorp, Department of Commerce

**New Perth-Bunbury Highway**  
Submitted by Southern Gateway Alliance, Leighton Contractors, GHD Pty Ltd, WA Limestone, Main Roads WA

**Track-mounted Mobile Mining Unit Plant (MUP)**  
Submitted by RCR Engineering



*Angel Project, submitted by Woodside, JP Kenny, KBR, Transfield Worley and WorleyParsons was Overall Winner of the 2009 WA Engineering Excellence Awards as well as a winner at the Australian Engineering Excellence Awards.*

### **2 Victoria Avenue**

Submitted by AECOM Australia Pty Ltd,  
Architect – Woodhead, Builder – Diploma,  
Owner – Stockland

### **Gap Ridge Accommodation Village**

Submitted by Leighton Contractors, Ngarda  
Civil & Mining

### **Unifying Western Power's Telecommunication Network**

Submitted by Western Power, Clarity  
International Ltd

### **Advanced Process Management (APM)**

Submitted by I&E Systems Pty Ltd, BHP  
Billiton Worsley Alumina Pty Ltd, Honeywell

### **Glenvar Bale Direct System**

Submitted by Glenvar Bale Direct Pty Ltd

### **Refurbishment of Sewer Access Chambers at Coral Bay**

Submitted by McRobert Contracting  
Services Pty Ltd, Water Corporation

The 2010 WA Engineering Excellence Awards Call for Entries brochure is contained within this edition of Engineering WA and is also available to download at [engineersaustralia.org.au/wa](http://engineersaustralia.org.au/wa)



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## Main Roads WA & City of Swan sign PDP Agreements



*Menno Henneveld FIEAust CPEng and some of the team at Main Roads WA with Janice Lake, Alexandra Sparvell and Peter Brearley from Engineers Australia.*

**Main Roads WA recently re-committed to the Professional Development Program (PDP) while the City of Swan signed a new PDP Agreement with Engineers Australia.**

There are now 326 organisations in Australia actively taking part in the PDP.

A brief profile on both Main Roads WA and City of Swan is contained below.

### Main Roads WA

Main Roads WA is responsible for Western Australia's highways and main roads which represent almost 30% of the State's total assets. They are one of the largest geographically spread road agencies in the world, covering 2.5 million square kilometers.

As the States road network manager, they are responsible for almost 18 000 km of Western Australia's 150 000 km road network. This represents some 12% of the network which carries around 60% of the road traffic.

Main Roads supports our graduates on the Professional Development Program. This program works towards enhancing the capability of the Main Road workforce, and allows young engineers to demonstrate their level of experience.

### City of Swan

The City of Swan is geographically the largest local government in the Perth metropolitan area. Encompassing an area of 1043 square kilometers it covers approximately 20% of the metropolitan

area and serves over 100,000 residents. The City is one of the most highly respected local governments in the State.

The City's boundaries extend from Gidgegannup in the east to Ballajura in the west and from Bullsbrook in the north to Perth Airport in the south. Within its boundaries, the City of Swan has 39 diverse and fast growing suburbs, two regional centres, several national parks and reserves, major industrial areas, historically important townsites and rural areas. The City's administration centre is in Midland, which is one of eight strategic regional centres within the Perth metropolitan area.

The City is responsible for management of a wide range of infrastructure assets with a replacement value of over \$1.2 billion. These assets include roads, libraries, aquatic centres, community halls, footpaths, bridges, jetties, stormwater drainage, car parks, bushland reserves, parks and sports ovals. The City of Swan recognises that Professional Engineers play an essential role in management of this infrastructure and associated services to ensure the ongoing sustainability of the community. The City's Graduate Program is aimed at developing staff who are highly competent and have experience in different sections throughout the organisation including Construction and Maintenance, Fleet and Waste Management, Project Management, Asset Management and Facilities Management. It is envisaged that participants in this program will progress to senior roles in the engineering industry.



## Engineering and the Community

Professor Tony Lucey FIEAust

**Engineers are doing a fine job in reacting and responding to community needs; however, we are now committed to increased engagement. This signals a movement of Engineering from the position of an external provider of solutions to a role that embraces closer integration with all aspects of community, the forces that shape it, and the decision-making processes that drive its development. This subtle but important cultural shift can take Engineering forward to an effective, and more prominent, position in Society.**

At a recent discussion of our organisation's Strategic Plan with its focus on increased engagement with the community, a very experienced engineer provocatively asked why this should be necessary. He was not sowing the seeds of rebellion; rather, the question was posed rhetorically. Without allowing excessive reflection to hinder action, it is salutary to think about such matters for with understanding, as opposed to passive acceptance, comes greater commitment to a chosen direction and course of action.

Our profession is a living entity, the membership of which must be continuously replenished. At the very least, we need to retain a balanced demographic profile that allows new graduates to be mentored by mid-career engineers who themselves take counsel from those with decades of experience and accumulated engineering wisdom. In fact, Australia's continued demand for Engineers requires an increase to the annual number of those joining the profession. Accordingly, it is essential that we engage with the community so that it encourages young people to study for and join our profession. This goes beyond highlighting the technical challenges encountered by engineers or the remuneration that they can enjoy. We now need to

present engineers as future leaders in the community and the acquisition of engineering thinking as a valid preparation for broader leadership roles throughout Society. This will lift the external esteem of engineers and their capacity to work real changes. By doing so, Engineering can become a more attractive career choice for the young.

If Engineering to be at its most effective in leading the developments that will sustain and advance humanity's well-being, then it requires close engagement with the communities that we serve... and of which we all are a part. In fact, the engineering process is no longer external to the need that it serves but is, necessarily, integrated with the origins of that need. Genuinely successful engineering outcomes result from the collaboration between (engineering solution) provider and user; solutions are only judged successful when both parties are equally convinced. Thus, the engineering solution must be technically valid and is often innovative. Equally, its benefits to, and adoption by, the community, accommodation of environmental factors, and its contribution to commerce are also realised. It is then evident that engineers must, perforce, engage with, sense, and work with the communities they serve when formulating engineering solutions. Even at the earliest stages, Engineering has to work with the community to frame the actual need that initiates the solution process. Thus, for example, the engineering that will ameliorate the effects of climate change and allow Society to adapt to the consequences of such change will be solutions that are community-adopted and arise from community engagement; advances in technology will be blended with advances in human behaviour in which Engineering must also play an influential part.

As a profession, we have made great strides in 'opening-up' Engineering and

taking it to the public. Engineers now work with a vast range of personnel, from lawyers to health professionals, from social scientists to biologists and, of course, with community leaders and Government representatives. Robert Musil's satirical characterisation as the men of science (and engineering) smile quietly into their beards, in his great early twentieth-century novel, no longer fits. We now promulgate Engineering through our collaborations with other professional organisations. A shining example of this approach is the joint organisation of the forthcoming (July 22nd) seminar; From City to Cape: 2100 Sea Level Rise by ATSE, EAust and Curtin University. The scope of the seminar spans engineering interventions through to the social issues that are all facets of a single challenge facing the people of our state; its outcomes will inform the broad sweep of community, form governmental leaders through to the general public.

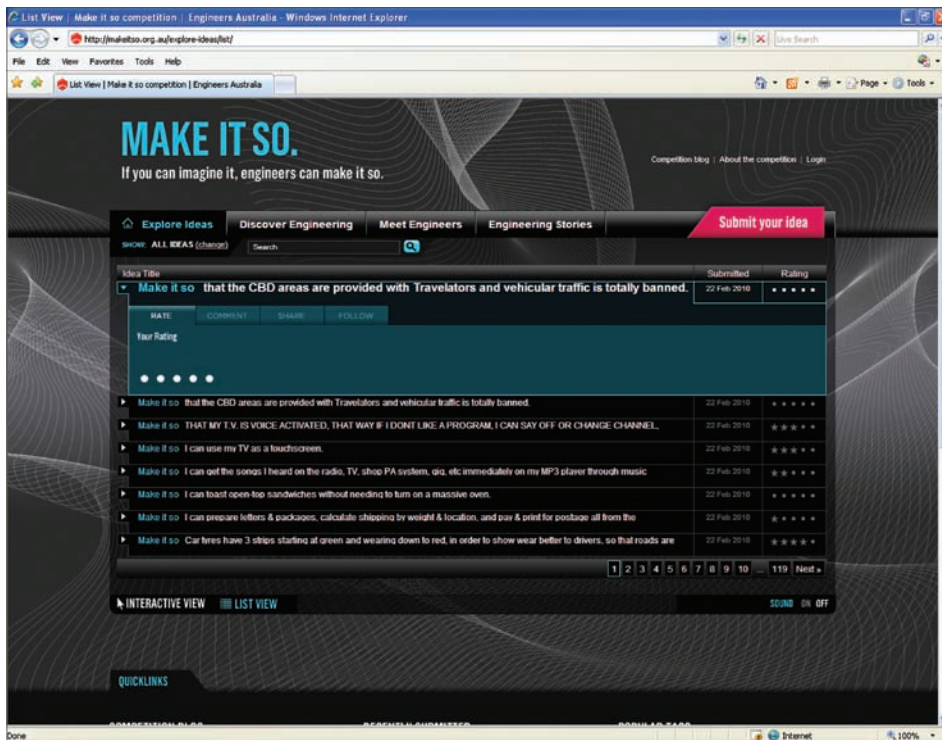
In parallel with the formal events that promote engagement with the community, we all, as individuals, have a part to play. Each of us can lift the community's awareness of engineering and its multi-dimensional nature through our interactions with 'non-engineers' and our social lives by talking about what we do in terms of how it supports and improves the lives of so many. We are all ambassadors for engineering and so I encourage you to spread the word in a language, and with examples, that our non-engineering interlocutors can understand. Engineering leadership is about winning both the minds and the hearts in the community.



# MAKE IT SO.

With these three words, we will show all Australians that engineering teams make things happen. VISIT [MAKEITSO.ORG.AU](http://MAKEITSO.ORG.AU)

## 'Make it so' public launch makes an impact



At the time of writing, just 56 hours into Engineers Australia 'Make it so' campaign to the general public, the response has been excellent with 718 ideas submitted, 12158 ratings recorded and 1,382 people making comments on ideas on the website.

CEO Peter Taylor has also featured on key radio talk back stations including Alan Jones on 2GB as well as online articles on ABC News, Australian Geographic and Yahoo7 to name a few.

The most popular to date 'Make it so' ideas on the website are featured below:

- [Make it so](#) energy used by people at the gym can be harnessed and turned

into electricity, maybe providing a gym that runs off its own electricity.

- [Make it so](#) my mum's insulin pen automatically records when and how much she has injected so she doesn't forget. She has type 1 Diabetes.
- [Make it so](#) develop and industrialise geothermal energy technologies so that they can be used as a renewable base load power source.
- [Make it so](#) that I can automatically donate the unused portion of my mobile phone cap every month to charity through premium SMS.
- [Make it so](#) there are turbines in major storm water drains so that the energy from the flowing water can be harnessed.

## Calibre acquires 100% of rail joint venture: Creates fully integrated mine-to-port capability

Leading Perth Based Engineering and Project delivery firm, Calibre Global, has strengthened its heavy haul rail delivery business by acquiring the remaining 50% of the Calibre Engenium Rail Joint Venture Pty Ltd from Engenium Pty Ltd.

Calibre will now own 100% of the rail engineering business which will be rebranded as Calibre Rail.

The Calibre Engenium Joint Venture, formed in 2005, is one of the largest heavy haul rail engineering companies in Australia. Since its inception, it has delivered most of the heavy rail infrastructure in Western Australia, predominantly for the State's major resource projects in the North West.

Calibre Global Managing Director, Rod Baxter said "The Calibre Engenium JV has been a growth powerhouse in the Calibre stable and this acquisition is a key step in creating a fully integrated mine-to-port services capability for the resources sector. The financial performance of the rail engineering business has been outstanding, with a compound annual revenue growth rate of over 100% since its inception in 2005, with a record revenue result of \$100 million in 2008/09".

"In line with our broader growth plans, we considered that it was time to fully integrate rail into a single, unified business to better serve our clients".

## Mining heavyweights strengthen AECOM's WA services

Global technical and professional services consultancy AECOM, has two new appointments to strengthen its growing Western Australian mining operations.

Garry Wildman and Peter Spencer are welcome additions to the AECOM team.

Formerly a Project Director at Merit Engineers, Garry brings more than 22 years of project experience in Brownfield and Greenfield mining, renewable energy and infrastructure project engineering. With

significant international experience, Gary will use his national experience to provide the latest solutions to clients locally.

Peter joins AECOM in the role of Business Development Manager – Minerals and Industry, after recently developing Bateman Engineering's gold business in Russia.

With more than 30 years experience in base metal and gold hydrometallurgy, Peter has significant operations and feasibility study experience, which will benefit AECOM's

Western Australia and Northern Territory clients.

AECOM Western Australia Managing Director Craig Bloxham said the recent appointments will expand AECOM's mining services, helping clients to capitalise on Western Australia's fast growing economy.

"We are very pleased to have Peter and Garry join us and along with the rest of the management team I am looking forward to working with them," he said.

## SKM Launches Reconciliation Action Plan

Leading engineering, sciences and project delivery firm, Sinclair Knight Merz (SKM) has published a Reconciliation Action Plan to build on the firm's commitment to indigenous Australians. In launching the RAP, SKM Chief Executive, Paul Douglas said the plan is the logical next step for the firm after many years of working in indigenous communities.

The SKM RAP is registered with Reconciliation Australia, the peak national organisation responsible for promoting reconciliation between indigenous and non-indigenous Australians. The plan outlines SKM's reconciliation journey to date and details how the firm intends to further embed reconciliation within its culture.

Co-Chair of Reconciliation Australia, Professor Mick Dodson, congratulated and thanked Sinclair Knight Merz for developing a RAP that builds on past learnings. "By joining the RAP community, you are providing important lessons for other organisations, and giving your staff and stakeholders something to be very proud of," said Prof. Dodson.

The plan outlines SKM's reconciliation journey to date and details how the firm intends to further embed reconciliation within its culture and the actions, responsibilities and metrics to ensure SKM is accountable on delivering to the plan.

For further information, contact Natalie Duncan, Regional Capability Marketing WA/NT, Sinclair Knight Merz.

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## Wright appointed to lead GHD in WA

GHD has recently appointed Ashley Wright as Manager Western Australia, following the move from incumbent Graham Greenacre, who will now focus on the enhancement of GHD's offerings in the Energy and Resources market.



continued success of GHD's Western Australian operations.

An active member of the Executive Committee of the Association of Consulting Engineers Australia, Ashley is also a member of the Commissioner of Main Roads WA Construction and Maintenance Industry Advisory Group and holds the inaugural Director position on the WA ROADS Foundation.

Commenting on his new role, Ashley says, "For decades, GHD has played a key role in the development of Western Australia's infrastructure. As part of my new role, I am looking forward to pursuing opportunities with public and private sector clients across our broad portfolio of services, and continuing to meet the demands of the rapidly developing Western Australian Community."

Mr Wright joined GHD as a Principal Engineer in 2004 after which he was promoted to the role Service Group Manager for Transport, and then Operations Manager. More recently, Ashley was Engineering Manager for the recently opened \$705m Kwinana Freeway Extension.

Ashley's experience in a variety of projects covering Transport Planning and Traffic Engineering and his commitment to a collaborative approach to team building and project delivery will ensure the

## Peritus enters subsea and floating systems oil and gas engineering sector

A new entrant into the global subsea and floating systems oil and gas engineering market was unveiled recently with the launch of Peritus International. The specialist engineering consultancy will provide advanced engineering and project management services, specifically targeting clients operating in difficult and deepwater environments.

Focussing on subsea and floating systems design, the company will utilise an international network of regional engineering centres initially based in Australia, the UK and the US to deliver their expertise to the offshore provinces of the world for both capital expenditure (CAPEX) and operational expenditure (OPEX) clients.

# Other Notices

## Engineers Australia WA Division Handbook

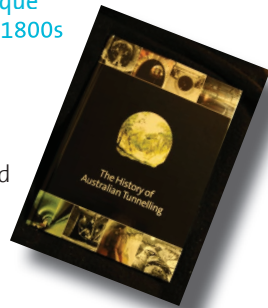
The Engineers Australia WA Division Handbook contains up-to-date information about Governance and Organisational Structure, Division Committee and Staff contacts as well as the various policies and procedures that could be important to you as a member and volunteer.



You can download a copy of the Handbook online at [engineersaustralia.org.au/wa](http://engineersaustralia.org.au/wa) in the About Us section.

## The History of Australian Tunnelling

A colour publication by the Australasian Tunnelling Society. Over 150 pages of unique Australian tunnelling projects from early 1800s to projects completed in 2009.



The book provides unique insights in the construction of water, sewer, cable, road and rail tunnels, underground storage and defense facilities. The book also includes a comprehensive database of nearly 300 tunnelling projects.

The book is available from ATS Secretariat Narelle Folkard at Engineers Australia for \$95 +GST E: [nfolkard@engineersaustralia.org.au](mailto:nfolkard@engineersaustralia.org.au)

## REFERENCE DOCUMENTS

### 20% OFF

2010 BCA Compliant and available in April

for members of Engineers Australia if you pre-order before 30 April 2010



### Simple Domestic

SIMPLE DOMESTIC is a quality statement developed for those projects simple enough not to require a project specific specification. It is suitable for owner-builders whether building, extending or renovating a home with common construction practice under regular conditions. It defines what is deemed to be the minimum level of workmanship for satisfactory work.

For work involving extensive structural design, customised airconditioning, prestige finishes or unusual features and facilities, a project specific specification is recommended.



### Simple Office Fitout

SIMPLE OFFICE FITOUT is a quality statement prepared for a small tenancy fitout in an existing building that is complete with finishes, services and facilities. For work involving extensive alterations, prestige finishes or additional facilities, an interior designer or architect should be commissioned to provide the appropriate level of design and project specific specification.



### NATsource

NATsource lists over 1,000 Standards and documents cited in the NATSPEC and AUS-SPEC specification packages. Titles, currency and abstracts are included.

NATSPEC, founded in 1975, is a not-for-profit organisation that is owned by the design, build, construct and property industry through professional associations and government property groups. It is impartial and is not involved in advocacy or policy development. NATSPEC's major service is the comprehensive national specification system endorsed by government and professional bodies.



[www.NATSPEC.com.au](http://www.NATSPEC.com.au)

## WA Engineering Excellence Awards key dates for 2010

Key dates for the 2010 WA Engineering Excellence Awards Program are indicated here:

- > **Friday 16th April**  
Lodgement of Entry Form and Entry Fee
- > **Friday 18th June**  
Lodgment of Award Submissions

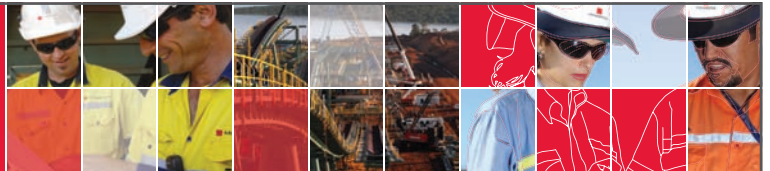
- > **Friday 10th September**  
Cocktail Party and Excellence Awards  
Poster Exhibition
- > **Saturday 18th September**  
Presentation Dinner

All category winners at the WA Engineering Excellence Awards are eligible to enter the

National Engineering Excellence Awards.

All WA Engineering Excellence Awards inquiries can be directed to Sharleen Mantle at Engineers Australia WA Division on (08) 9321 3340 or email [smantle@engineersaustralia.org.au](mailto:smantle@engineersaustralia.org.au)

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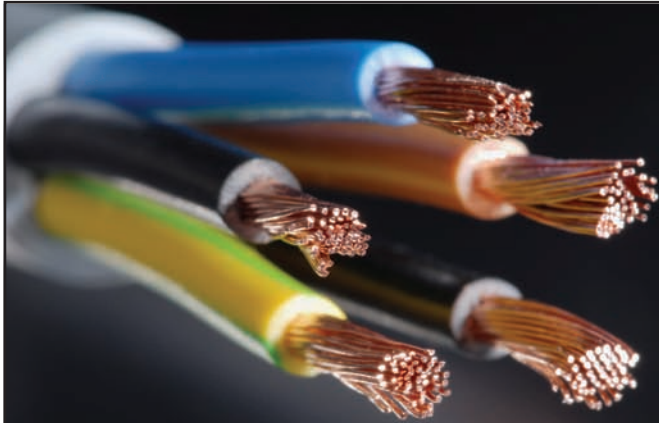
We understand the importance of recognising each and every member of staff, that's why at Monadelphous you'll be appreciated and encouraged to make a valuable contribution.



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## DOWN TO EARTH CONFERENCE 2010

Perth, Western Australia  
29 & 30 April



A conference dedicated entirely to EARTHING for Electrical, Electronic, Control & Communications Engineers.

### REGISTRATIONS NOW OPEN

The year 2010 will mark 128 years of amazing progress; however the Electrical, Electronic, Control and Communication Engineering Professions still lack a unified approach to earthing and are generally divided on what constitutes 'correct' earthing practices. This conference aims to bring earthing issues to the forefront, challenge existing thinking and hopefully move us all closer towards a unified approach to earthing.

The Electrical Engineering Panel invites you to take part in this conference to be held at Sheraton Hotel in Perth, Western Australia on Thursday 29 and Friday 30 April 2010.

For more information on how to register visit [engineersaustralia.org.au/wa](http://engineersaustralia.org.au/wa) or call the WA Division Office on (08) 9321 3340.

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## City to Cape – 2100 sea-level rise

Coping with the likely impacts of sea-level rise on Australia's Southwest Coast – from Perth to Cape Naturaliste – by 2100.

**Purpose:** To raise the level of understanding of this important theme through presentations by experts and through informed debate and analyses.

**Date:** Thursday, 22nd July 2010

**Venue:** Curtin University of Technology, Perth (Elizabeth Jolley lecture theatre)

**Topics will include:** Geology of our living coastline | Science of sea-level rise, best estimates, drivers and implications | Engineering principles with regards to protection, adaptation and costs | Planning perspectives, issues and uncertainties | Social realities, loss of beaches, impact of sea walls, coastal retreat, community attitudes | Legal perspectives  
Focused on WA, yet many issues addressed are applicable elsewhere. Speakers and panel members are leaders in their fields

**Who should attend:** Engineers, state and town planners, government and local government decision makers, developers, lawyers, politicians, technological scientists, social scientists, environmental scientists, students, school teachers, and the public.

**For further information:** Further information contact Ms Kelly Pilgrim-Byrne, Executive Officer, Australian Sustainable Development Institute if you wish to register your interest to receive detailed program information. Phone (08) 9266 1792 or email [k.pilgrim-byrne@curtin.edu.au](mailto:k.pilgrim-byrne@curtin.edu.au)

Hosted by The Academy of Technological Sciences & Engineering (ATSE), Engineers Australia and the Australian Sustainable Development Institute at Curtin University of Technology



## Save the Date

The Centre for Engineering Leadership & Management presents

"Engineering Leading the Community"  
Guest Speaker Bill Marmion MLA  
plus other special guests

Date: Wednesday 21 April 2010

Time: 7.30am – 9am

Venue: UWA Club

Cost: \$55 members, \$77 non members  
& \$440 corporate tables of 8

For more information please contact:

Fiona Thorniley

P: (08) 9321 3340

E: [celmwa@engineersaustralia.org.au](mailto:celmwa@engineersaustralia.org.au)



# Dates for your Diary

ENGINEERS AUSTRALIA  
WA DIVISION NEWSLETTER

Date/Time	Host	Event & Venue	For more information
24 – 26 Mar	Diversified Exhibitions	Australasian Oil & Gas Exhibition & Conference Perth Convention Exhibition Centre	Web site: <a href="http://www.aogexpo.com.au">www.aogexpo.com.au</a>
Sat 27 Mar 9:00 AM	Engineers Australia WA Division & BPA Events	Face to Face Expo Engineering students get “Face to Face” with possible employers Robinson Pavilion, Claremont Showgrounds	Exhibitors contact BPA P: (08) 9409 5143
Tue 6 Apr 6:00 PM	WA Oil and Gas Facilities Group	Addressing Noise and Vibration within the Safety Case – Risks and ALARP Solutions Speaker: Jim McLoughlin, SVT Engineering Consultants Auditorium, Engineers Australia WA Division	Visit: <a href="http://www.engineersaustralia.org.au/wa">www.engineersaustralia.org.au/wa</a>
Thu 15 Apr 5:30 PM	Engineers Australia WA Division	Chartered Status Workshop Auditorium, Engineers Australia WA Division	Register online: <a href="http://www.engineersaustralia.org.au/wa">www.engineersaustralia.org.au/wa</a>
Mon 19 Apr	CIBSE WA Chapter & SBSE WA	SiteVisit – 140 William Street, Perth	Visit: <a href="http://www.engineersaustralia.org.au/wa">www.engineersaustralia.org.au/wa</a>
19 – 23 Apr	Supported by Engineers Australia	Industrial Technology Regional Roadshows Bunbury, Rockingham, Kalgoorlie, Karratha	Visit: <a href="http://www.regionalroadshows.com.au">www.regionalroadshows.com.au</a>
Wed 21 Apr 7:15 AM	Centre for Engineering Leadership & Management	Centre for Engineering Leadership and Management Breakfast Series Speaker: Bill Marmion MLA plus special guests The University Club of Western Australia	Fiona Thorniley P: (08) 9321 3340 E: <a href="mailto:celmwa@engineersaustralia.org.au">celmwa@engineersaustralia.org.au</a>
29 & 30 Apr	Electrical Engineering Panel	Down to Earth Conference A conference dedicated entirely to Earthing for Electrical, Electronics, Control & Communication Engineers Sheraton Hotel, Perth	Fiona Thorniley P: (08) 9321 3340 E: <a href="mailto:ft Thorniley@engineersaustralia.org.au">ft Thorniley@engineersaustralia.org.au</a>
Mon 3 May	CIBSE WA Chapter & SBSE WA	Integration of ELV systems in hospitals Speaker: Paul Dearlove (IBMS) Auditorium, Engineers Australia WA Division	Visit: <a href="http://www.engineersaustralia.org.au/wa">www.engineersaustralia.org.au/wa</a>
Mon 3 May	Royal Aeronautical Society Australian Division & The College Of Electrical Engineering	Eminent Speaker Series: Mr Fred Abbink, General Director, The Netherlands National Aerospace Laboratory Topic: Survival of the Fittest: 90 Years of Dutch Aeronautics – RDT&E in a Globalising Environment Auditorium, Engineers Australia WA Division	Visit: <a href="http://www.engineersaustralia.org.au/eminentspeaker/">www.engineersaustralia.org.au/eminentspeaker/</a>
5 – 7 May	Centre for Engineering Leadership & Management	Engineering Leadership Conference 2010 Brisbane Convention and Exhibition Centre , Brisbane, QLD	P: +61 7 3844 1138 W: <a href="http://www.engineeringleadership.org">www.engineeringleadership.org</a>
Thu 13 May 5:30 PM	Engineers Australia WA Division	Chartered Status Workshop Auditorium, Engineers Australia WA Division	Register online: <a href="http://www.engineersaustralia.org.au/wa">www.engineersaustralia.org.au/wa</a>
Fri 11 & Sat 12 Jun	Australian Geomechanics Society	Ground Improvement Workshop Curtin University	Visit: <a href="http://www.engineersaustralia.org.au/wa">www.engineersaustralia.org.au/wa</a>
Thu 22 Jul	ATSE/Engineers Australia/ Curtin University of Technology	City to Cape – 2100 Sea-Level Rise Seminar All-day seminar on coping with the likely impacts of sea-level rise on Australia’s Southwest Coast – from Perth to Cape Naturaliste – by 2100.	Contact: Ms Kelly Pilgrim-Byrne Phone (08) 9266 1792 or email <a href="mailto:k.pilgrim-byrne@curtin.edu.au">k.pilgrim-byrne@curtin.edu.au</a>
2 – 8 Aug	Engineers Australia	Australian Engineering Week	Visit: <a href="http://www.engineersaustralia.org.au">www.engineersaustralia.org.au</a>
18 Sep	Engineers Australia WA Division	2010 WA Engineering Excellence Awards Dinner Perth Convention Exhibition Centre	Visit: <a href="http://www.engineersaustralia.org.au/wa">www.engineersaustralia.org.au/wa</a>
12 – 16 Dec	Engineers Australia’s National Committee on Applied Mechanic & the Australian Institute for Non-Destructive Testing (AINDT)	The 6th Australasian Congress on Applied Mechanics Perth Convention and Exhibition Centre	Visit the congress website at: <a href="http://www.acam6.org">www.acam6.org</a> or email <a href="mailto:acam6@acam6.org">acam6@acam6.org</a>

Some event dates and times are subject to change. Please check our website [www.engineersaustralia.org.au/wa/events](http://www.engineersaustralia.org.au/wa/events) for up-to-date information