



1. WELCOME



The Australian Cost Engineering Society (ACES) Newsletter
Issue VOLUME 2, APRIL 2018

Welcome to our 2nd edition Newsletter of 2018, as mentioned this year is shaping up to be a busy year for ACES with lots happening across our NSW and other regional chapters. We have already held our 1st Technical event in February which showcased one of the more modern techniques being used in delivering projects, Augmented and Virtual Reality brings projects to life to maximise collaboration and control. The turnout was great at this event, more details are within this edition. Other information includes updates on the remainder of the Program for 2018 including further Technical Events, Conferences and Networking events as well as the imminent new website launch.

We hope you enjoy this edition and we hope to see you at one of our upcoming events.

- ACES NSW Committee

2. ANNOUNCEMENTS

ACES Website Overview

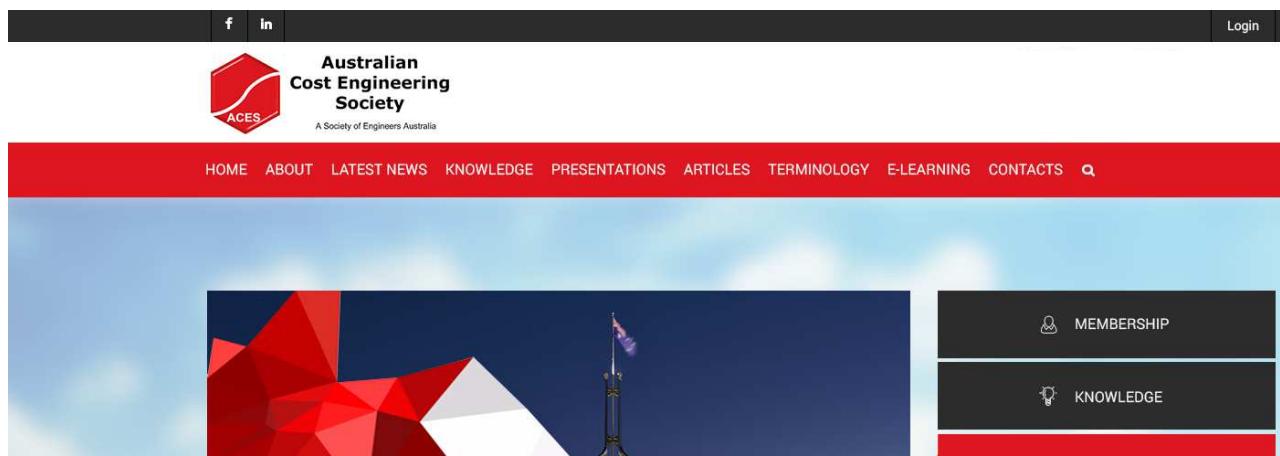
First things first, the ACES team has been working hard to launch our new Website. The existing ACES website has been in operation for many years (under <http://www.aceswa.org.au>), thanks to former WA and National Chairman of ACES, Keith Webb, who created and helped in its administration. With ACES's growing member base and need for adding additional features to the site, Web Development company "247 Digital Pty Ltd" has been assigned to redevelop the website. **The new site will be available at <https://costengineer.org.au> in May and it will replace the existing site.**

Colin Cropley from ACES National Committee is heading the ACES Website Redevelopment Subcommittee and we have enthusiastic volunteers ready to take on the responsibility of adding and updating content on the site once it goes live. The team is as follows:

Role	Name	State
Web Administrator	Keith Webb	WA

Senior Deputy Web Administrator	Andrew Garfield	VIC
Deputy Web Administrator	Edmund Tan	QLD
Deputy Web Administrator	Prabin Tandan	NSW
Deputy Web Administrator	Julien Roby	WA

State webpage content on the site will kept up to date by state web administrators and thus will be reflective of the programs and activities devised by state committees. The new website is hoped to improve member engagement, improve accessibility of education and training and increase awareness of and attendance at professional meetings, conferences and social events of ACES.



Get involved and make a difference - ACES AGM – National and local Chapters

Interested in making a difference? If so then ACES members can apply, be nominated and be elected at the Annual General Meeting onto the Committee and support the development of the Society, this could involve being party to the organisation of Technical Events, Conferences, Training or just being involved in raising the profile of the profession. The process for application will be communicated in July in preparation for the AGM in August. Any interested parties should contact a member of the current Committee if they feel the urge to apply prior or just need to discuss roles and commitments.

3. UPCOMING EVENTS

Our program this year that is packed with exciting events that should cater for all of our members and interested parties. Technical Seminars, Networking and Learning and Development are featured throughout with particular focus on the latter especially with the continued role out of the Chartership Program for Cost Engineers together with Professional Accreditation Training courses.

2018 Program of Events

All events will be communicated prior to the event on the EA Website and by emails to ACES/AACE members so be sure to keep an eye out for these.

Provisional

16 May '18	Technical Event at UTS - <i>Professional development / Cost Engineering Project Controls overview</i>
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26 Jun '18	Technical Event – <i>John Hollman Project Risk Quantification methodologies to present on his Australia Tour</i>
15 Aug '18	<p>Technical Event - ACES is Looking for Presenters!</p> <p>Expressions of interest will be sought for the opportunity to present at our Technical Seminar events. This opportunity is open to Organisations that work in or supplement the areas of Project Controls and Cost Engineering.</p> <p>This is a great opportunity for leaders within our industry to provide a service to members of our profession by delivering a technical presentation that delivers insights into best practice, lessons learnt or the latest project controls technologies currently being employed.</p> <p>If you are the leader of an organisation that is setting the standard in an area of project controls or cost engineering our members want to hear from you!</p> <p>Lookout for a formal EOI advertisement to be issued soon over LinkedIn.</p>
Nov '18	Networking Event TBC
	Chartership / Mentoring Sessions – <i>no sessions are currently scheduled please contact Juan Vega FirmstoneVEGA@outlook.com for the latest information</i>

Conferences 2018

ACES is also looking to support a number of conferences this year which will include the national bi-annual Engineers Australia, the International Cost Engineering Council (ICEC) and the national Risk Engineering Society (RES), all of which will be held in Sydney which will be ideal for our local members to attend.

17-19 Sep '18	AUSENGCON (EA National Conference) https://ausengcon.com.au/
Date TBC	RES National Conference https://www.engineersaustralia.org.au/Communities-And-Groups/Technical-Societies/Risk-Engineering-Society
22 Nov '18	Project Controls Expo at Melbourne Cricket Ground https://projectcontrollexpo.com/aus/
16-20 Nov '18	ICEC World Conference (in partnership with AIQS) https://aiqsevents.eventsair.com/QuickEventWebsitePortal/paqsicec2018/home Register your interest here to be kept up to date with information on the ICEC-PAQS 2018 Conference.
2019 Date TBC	ACES Project Controls Conference 2019 Planning for this event has commenced. If you are interested in being involved or being a sponsor for the event, please contact Leo Ferro who is the lead organiser.

Projects Controls Expo

In recognition of support from ACES (Australian Cost Engineering Society), Project Controls Expo is pleased to announce that its members can attend the event at a reduced price. Further details can be seen on the flyer below.

Early bird tickets are available until the 30th of June 2018.

The banner features a large image of the Melbourne Cricket Ground (MCG) stadium. To the right, there is a graphic of two stylized human figures in green and yellow. The text "NOV 22 2018" is displayed vertically. Below this, the text "Melbourne Cricket Ground, Australia" and "Project Controls Expo" is written. Underneath, it says "WORLD'S LARGEST PROJECT CONTROL CONFERENCE AND EXHIBITION NOW COMING TO AUSTRALIA". At the bottom, there are logos for "ProjectControls Online.com", "AACE REGION 8", and "Australian Cost Engineering Society". Contact information is also provided: email "aus@ProjectControlExpo.com", phone "+61 435 325 651", and website "www.ProjectControlExpo.com/aus".

4. Training & Development

The following courses are provided by independent bodies that have been recommended for cost engineering and Project Controls practitioners working to pursue further development.

28 May '18 – **Planning and Scheduling Professional (PSP) Certification Preparation Course** Engineering Education
29 May '18 **Australia**

This two-day workshop provides practical guidance on the knowledge and skills required to become a certified PSP with AACE International.

A PSP is a skilled planning and scheduling professional with advanced experience in project planning, and developing, monitoring, updating, forecasting and analysing integrated project schedules.

Participants will learn how to improve communication and efficiency on engineering projects through applying integrated project planning and controls practices. The workshop will also explain the inputs, considerations and constraints in developing a project plans and schedules as effective communication tools.

Case studies and practical exercises on real engineering projects will be used, covering the perspectives of the owners and the contractors.

Participants will complete this course with an understanding of knowledge and skills required to obtain AACE International Certification as a PSP, a pathway to gain Chartered status as a Cost Engineer.

<https://eeaust.com.au/courses/project-construction-management/advanced-planning-scheduling-detail>

5 . The Chartered Credential

What is Chartered status?

A mark of trust, skill and expertise, Chartered status is your competitive edge. Chartered status demonstrates that you are globally recognised and recognised by the community, industry and Government as professional.

Why is Chartered status important for Cost/Project Controls Engineers?

Until now in Australia, a standard and independent way to recognise and evidence cost engineering skills and expertise has been lacking. In response to this, Engineers Australia has introduced the Cost Engineering area of practice.

Chartered status as an independently practicing engineer is required to join the National Engineering Register (NER).

Registration as a Professional Cost Engineer, Associate, or Technologist is an independently certified way for you to demonstrate your skills, capabilities and expertise to Clients.

How to Become Chartered Cost Engineer? A Six Step Process:



For further information on how to apply for Chartered status please follow [this link](#).

Pathways to Chartered

Find out more about our pathways to Chartered [here](#).

Already Chartered in another area of practice?

You will need to provide Engineers Australia with details of your engineering experience and competency in the Cost Engineering Area of Practice. The steps you should follow are outlined below:

1. Email charteredadmin@engineersaustralia.org.au to advise that you wish to add a Cost Engineering to your Area or Areas of Practice.
2. Engineers Australia will provide access to the Add Area of Practice pathway within the Chartered 2017+ online application system.

3. On receipt of the Alternate Pathway approved notification, follow the prompts to enrol, providing your CV and CPD Log & payment. Please note your CPD Log should show a minimum of 50 hours of CPD (out of the full 150 hours over the past 3 years requirement) in the new Area or Areas of Practice being sought.
4. Wait for Engineers Australia to advise you what additional evidence is required to show your competence (in most cases it will be a 2-3 page narrative of your engineering experience in the new areas being sought). Upload into Chartered 2017+ as per system instructions.

Unless contacted by our Assessors for any further information, you will receive notification of your Chartered Award in the new Area or Areas of Practice & an official Certificate will be posted to you.

6 . A C E S N S W c o m m i t t e e – M e e t t h e T e a m

It is our pleasure to welcome the new (and old) committee members of 2018 that have been working hard to develop the program of events for 2018. ACES is fortunate to have a diverse group of members who have the expertise and passion to develop the ACES Sydney Chapter into the future of Project controls. The team anticipates that 2018 will be jam-packed with exciting new training developments and continuing support networks for Project Controls professionals.

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Committee members

Leo Ferro

Lexie Tieman

Sasiram Ramalingam

Rashed Jahan

Abhi Datta

7 . J o i n U s

Cost of ACES Membership

ACES membership offers great value

Member EA	\$33.00	Student	\$16.50
Member Non-EA	\$44.00	AACE Member	\$22.00

8 . T e c h n i c a l E v e n t – R e d A r r o w A u g m e n t e d R e a l i t y i n P r o j e c t C o n t r o l s – E v e n t H i g h l i g h t s

Pieter Rautenbach from Red Arrow conducted a fantastic session on February 12th with plenty of enthusiasm to ensure attendees were all fully aware of where the latest technology in Planning is at right now.

Pieter presented the latest in technology with Synchro Software and demonstrated the Hololens by allowing the attendees to try the Hololens, which caused for a great time.

If you have any questions or would like more information, contact synchro@redarrowgrp.com

Or visit www.4dplanning.com.au or www.redarrowgrp.com



9 . C A S E S T U D Y

A DAY IN THE LIFE OF A COST ENGINEER A review by B. MAHARJAN and Prabin Tandan

B. Maharjan is a Cost Engineer/Contract Administrator of a Fit-out & Refurbishment Builder executing projects in NSW, VIC & QLD. Below he lays out how his typical day looks like:

Roles and Responsibilities:

- Estimation and Tendering of residential, retail and commercial refurbishment and fit-out projects
- Contract Administration
- Liaison with suppliers/sub-contractors
- RFQs and POs
- Processing of RFIs for received RFTs
- Variations and Cost Control
- Documentation preparation & submission regarding Company Qualification docs, Site Register and HSE docs, CDC/Building permit/OC Application
- Assist project manager in preparation of work program/Time schedule; procurement schedules
- Project Submittals (Materials & Shop Drawings)

Daily schedule:

START	END	- TASKS
9:00	9:00	- Sign in Office
9:00	9:30	- Quick Review on the company email inbox/ meeting invitations
9:30	9:45	- Quick Review on the previous Check-list of planned tasks/activities in Diary
9:45	10:15	- Prepare Check-list of the day (planned tasks/activities) in Diary
10:15	10:45	- Report/Discuss relevant matters with MD and colleagues as necessary
10:45	11:00	- Prepare for Priority of the tasks/activities of the day
11:00	11:30	- Follow-ups/Liaise with Subbies/Suppliers for RFQs

11:30	12:15	<ul style="list-style-type: none"> - Send/Re-send RFQs for project in hand and tenders (if any pending) - Processing of RFIs for received RFTs as necessary - Print and arrange documents (correspondences, projects documents/drawings, quotations) as necessary
12:15	13:00	<ul style="list-style-type: none"> - Quick Review/Study of Project Documents for any new tenders and file them if no urgent action is required.
13:00	17:00	<ul style="list-style-type: none"> - Continue work on assigned running Projects (if any): <ul style="list-style-type: none"> o Variation study/Process for Internal Approval/Revision and Submission to the Client/ Necessary Clarification after submission and Cost Control <ul style="list-style-type: none"> ▪ Review on the invoices received, discuss with Project Manager for his advice and approval, recommend MD/Accounts for payment release. - Send/Re-send POs for project in hand (as and when necessary; if any pending) - Continue work on running Tenders (if any): Estimation for ongoing pricing /Tendering proposal for completed pricing, Process for Internal Approval/Revision and Submission to the Client/ Necessary Clarification after submission - Documentation preparation & submission regarding Company Qualification docs, Site Register and HSE docs, CDC/Building permit/OC Application Assist project manager in preparation of work program/Time schedule; procurement schedules [All activities as and when necessary] - Project Submittals (Materials & Shop Drawings) [as and when necessary]

Major challenges in the role and how you overcome them:

- Negotiation in tendering: Prior preparation of cost optimisation options, report to MD for his consent; attend meeting with Client along with our MD for big projects for prompt decisions
- Getting quotes from the suppliers/sub-contractors: Timely RFQ being sent, Regular Follow-ups with them, advise and clarify them verbally/in written as and where required
- Variations from the sub-contractors: Detail study of the documents being sent to them, review of their quotation and our PO and advise/Clarification from project Manager/site manager on relevant matters for cause/responsible party for the variation; seeking supporting documents if needed/ negotiate with supplier/sub-con if needed, recommend the Variation if authentic/realistic

- Prabin Tandan (ACES NSW Technical Program Coordinator)



Variation: Ceiling installation had to be held for the mechanical services re-design and execution of the re-designed mechanical services in Levels 2-5 of an educational building in NSW



Restaurant Refurbishment and Fit-out including demolition of existing walls, entrance doors, bar and toilet amenities (Approx. 400 sq.m. in QLD)

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*ACES is a member of
International Cost Engineering
Council*