



The Australasian Association for Engineering
Education

NEWSLETTER

September 2011

Lyn Brodie, Editor

President's Report, September 2011

Dear Colleagues

You will recall that initiatives and strategies in 2011 are around the continued delivery of a number of themed workshops at several key locations in both Australia and New Zealand; increased AAEE identity and communication both within our membership and within our member institutions and strategies to increase the impact and recognition of engineering education scholarship and scholarly publication within Australia and New Zealand.

There has been progress in each of these areas with more detail on each covered later in this newsletter but to summarise:-

- The AAEE Postgraduate Winter School was run 20 – 24 June and is covered later in this newsletter.
- The EA/AAEE National Forum on Accreditation and Curriculum Design series of workshops is well underway with myself and Prue Howard anchoring the AAEE part of the workshop.
- The call for AAEE Champions has been sent out to the Australian and New Zealand Deans. We initially received a good number of responses, however there are many more outstanding.

I would like to reflect on the unique position that AAEE is in, and the relationships that it has, as envied by many of our colleagues around the world. Being a technical society of Engineers Australia (EA), a Technical Interest Group of the Institution of Professional Engineers New Zealand (IPENZ), having formal representation on the Australian Council of Engineering Deans (ACED), and intending to create greater ties with the New Zealand Council of Engineering Deans (NZCED), AAEE and its members benefit greatly from the financial support, input to

decision making and collaboration in special projects. This is truly a unique and highly valued position and relationship, and one which we should value, nurture and promote.

As we are now well and truly into our second semester, we look forward to the new structure of AAEE Excellence Awards and the call for nominations soon to be made; the 22nd Annual Conference of the Australasian Association for Engineering Education; more Universities with AAEE Champions, the beginnings of engagement with our Champions; a resolved email mechanism; thinking around workshops and activities for next year (and opportunities with EA and ACED); and a strengthening relationship with the New Zealand Council of Engineering Deans (NZCED) and Institution of Professional Engineers New Zealand (IPENZ). I also look forward to representing AAEE at IFEEES in Portugal next month.

In 2012, we will welcome Les Dawes as incoming President. We can expect to see continued strength in working with ACED and EA, increasing engagement with NZCED and IPENZ, continued activity with membership and seeking greater engagement internationally. 2012 will again be a vibrant and exciting year.

Kind regards



*Duncan Campbell
2011 President*

Inaugural AAEE Winter School for postgraduates in Engineering Education

The workshop took place between Monday 20 June and Friday 24 June 2011. The event was planned and facilitated by Dr Lesley Jolly, Professor Caroline Baillie and Dr Matt Eliot. A total of 13 participants from University of Queensland, Virginia Tech (USA), University of Auckland (NZ), Central Queensland University, Australian National University, University of South Australia, University of Technology Sydney, Curtin University, University of Western Australia and University of Southern Queensland attended the workshop.

Participants engaged with activities and were enthusiastic about the challenges faced. Workshops gave an overall orientation to

education research in terms of theory, epistemology and frameworks; provided clarification of how to arrive at a research question; assisted the development of a network of peers with similar interests and offered time apart from daily distractions to think just about research.

As a result of the winter school participants have planned a workshop for the AAEE conference in Fremantle (2011) which aims to help supervisors consider the difference between technical engineering PhDs and engineering education PhDs.

Lesley Jolly

ERM Breakfast at the AAEE Conference

As usual the Educational Research Methods group invite you to get together for breakfast on the Tuesday of the conference, 6 December, at 7am. The venue is still to be finalised but if you have an interest in research methodology please come along and chat to the like-minded. Following the success of this year's inaugural Winter School, next year the event will be

expanded to have the title "Developing Research Skills in Engineering Education" and offered to postgraduates and researchers new to this field. At the breakfast we'll be canvassing your advice on sessions to be included in the 2012 event, so come along and make a bid for your pet interest!

Lesley Jolly

2011 AAEE and EA Update National Forum on Accreditation and Curriculum Design Workshops

Earlier in the year AAEE partnered with Engineers Australia for the Australian Council of Engineering Deans (ACED) sponsored 2011 National Workshops on Australian Engineering Stage 1 Competency Standards workshop series. These workshops have now run in Sydney, Rockhampton and Adelaide with Canberra, Perth, Melbourne, Brisbane and Hobart following soon.

Attendance numbers have been mixed; however, the feedback from all has been very positive. It

is interesting to note that there has been quite a variation in topic interest from the first three workshop groups.

A special thanks to Prue Howard, Peter Hoffmann and Alan Bradley for the collaboration in the development and co-facilitation of these workshops.

Duncan Campbell
President, AAEE



22nd Annual AaeE Conference 2011

**Developing Engineers for Social Justice:
Community Involvement, Ethics &
Sustainability**



UPDATE

The 22nd Annual Conference of the Australasian Association for Engineering Education is now just under 100 days away, and preparations are well under control. The double-blind reviewing of the 130 full paper submissions is underway, with our dedicated team of reviewers working away to ensure that we meet the September 5th notification deadline.

Keynote Speakers and Program

We have confirmed our keynote speakers. They are internationally recognised experts in their field, promising delegates an exciting and challenging program.



Juan Lucena
*Associate Professor
Liberal Arts and
International
Studies Division
Colorado School of
Mines*



Ian Wood
*Vice President
Community and
Sustainability
BHB Billiton*



Verna Vos
*Director
Kutjarra Tjukurrpa
Enterprise*

The broad program is starting to take shape. Exact details will come together, but the three themed days of Industry Day, EWB Challenge Day and Schools Day are already showing promise. The social program has also been confirmed, with the highlight being a black tie dinner at Government House.

For more information see:-

<http://www.aeee.com.au/conferences/2011/pages/speakers.html> - keynote speakers

<http://www.aeee.com.au/conferences/2011/pages/program.html> - program information

The conference will be held from Monday December 5th to Wednesday December 7th, 2011, at the Esplanade Hotel in Fremantle, Western Australia.

Venue

The Esplanade Hotel is located 20 minutes by car/taxi from the City of Perth and 30 minutes from Perth's domestic and international airport terminals. www.esplanadehotelfremantle.com.au



Registration

Registration for the conference is open, and the registration brochure is available for download. The brochure offers a clear snapshot of the value our conference is offering; have a look for yourself and recommend it to a colleague as well.

<http://www.aeee.com.au/conferences/2011/pages/registration.html>

I look forward to having you join us in Fremantle in December.

*Euan Lindsay
2011 AAE Conference Chair*



Nominations for the 2012 AAEE Executive Committee

Nominations for the Executive committee are now open. Consider contributing at a national level to the work of AAEE. Complete the form below or visit the AAEE web site <http://www.aee.com.au/>



Australasian Association for Engineering Education

Nomination for National Executive Committee

I, _____
being a registered member of the Australasian Association for Engineering Education, accept nomination for a position on the National Executive Committee of AaeE. A brief CV and statement about me and how I can contribute to the Committee is attached.

Signature: _____ Date: _____

REFEREE 1

I, _____
being a registered member of the Australasian Association for Engineering Education, support the nomination.

Signature: _____ Date: _____

REFEREE 2

I, _____
being a registered member of the Australasian Association for Engineering Education, support the nomination.

Signature: _____ Date: _____

SUPPORT FROM DEAN OF ENGINEERING

I, _____, Dean of Engineering at
_____ support the nomination.

Signature: _____ Date: _____

Return to Committee Administrator: David McCarthy
dmccarthy@engineersaustralia.org.au
Engineers Australia
11 National Circuit
BARTON ACT 2600

by 12:00 noon Friday 2 December 2011

Australasian Association for Engineering Education

2011 Annual Awards

APPLY NOW!!!

AAEE offers three awards to recognise excellence in the engineering education and research community. Members of AAEE are encouraged to apply. **Nomination forms and full criteria are available on the AAEE web site.**

<http://www.aeee.com.au/>



Australian Council of Engineering Deans National Award for Engineering Education Excellence – Awarded for excellence in learning outcomes via degree programs, discipline majors or other significant initiatives that have produced outstanding and enduring outcomes.

Prize - \$10000 plus framed certificate

Award for Engineering Education Research Design – Award for rigorous, innovative and transferable research design in the field of Engineering Education.

Prize - \$5000 plus framed certificate

Award for Engineering Education Engagement – Award for fostering an excellent standard of engagement with colleagues or students recognising a collegiate approach to learning and teaching, research and a sharing of expertise.

Prize - \$5000 plus framed certificate

Eligibility for all awards

- Previously unsuccessful applicants are eligible to apply.
 - The same body of work cannot be submitted as an application in two categories even if seemingly appropriate for both categories.
 - It is not necessary to meet all selection criteria of an Award to be eligible to apply for an award.
 - All nominees MUST be current AAEE members (membership application is free - see <http://www.aeee.com.au/membership.htm>).
 - The work must have been mostly conducted in Australia or New Zealand.
 - Winner or Highly Commended recipients from the last two years are only eligible to apply if work completed is significantly different from previous applications or the application is in a different category.
 - Winners or a winning team member MUST be present at the AAEE Annual Conference dinner and be available to give a short presentation of up to 20 minutes during the conference.
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Time Frame

Submission to Rhiannon Hegarty rhegarty@engineersaustralia.org.au by email by 1 October (addressing criteria and nomination form)

Judges recommendations by 17 October

Winners notified by 31 October.

Final Report from the 2010 AAEE Conference

The theme for the 2010 conference was Past, Present, Future – the keys to engineering education research and practice. This theme proved to be able to accommodate the diverse interests of the Australasian engineering education community.

Conference Statistics

There were 243 delegates from over 18 countries
105 double blind peer reviewed papers accepted and presented in 17 sessions

21 workshops

4 keynote speakers – Prof Ed Crawley, Dr Keith Willey, Dr Pat Bazeley and Prof David Boud

60 reviewers

131 papers submitted with a reject rate of 28%

Anne Gardner
AAEE 2010 Conference Chair

Contributions for the AEE Newsletter

Do you have something of interest to the Engineering Education community? We welcome contributions from members! If you have something to share, please email the newsletter editor Lyn Brodie at Lyn.Brodie@usq.edu.au

Lyn Brodie