



Australasian Association for
Engineering Education



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2025-Edition 8- November

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President's Message

Dear Members

Last month, I put out a call for the creation of a History Committee to populate the website and create events. I am pleased to report that Les Dawes, Roger Hadgraft, Prue Howard and Zach Quince are our foundational members. I look forward to seeing their ideas and content.

There has been some confusion about how to become an AAEE member. To rectify this, our committee member Tony Vo has put together a fantastic video that steps you through the process. Members, please share this video with non-members to encourage them to join (free for Aus/NZ university staff) and become aware of the many opportunities on offer, and still to come. Access the video here (<https://youtu.be/qGVAXq1flpU>).

In October, voting was open for electing committee members. I hope everyone participated. Those elected for the 2026-2027 term will be notified when the results are confirmed by EA and will be invited to attend the executive committee meeting on the 7th of December, as an observer. This is something new and has enabled us to ensure a smooth transfer of knowledge.

With all the excitement for the upcoming AAEE25, let's not forget that calls to host AAEE28 close on the 18th. Hosting brings the brightest minds in engineering education to your doorstep, and your institution gets to keep the profits. It's not too late to put in a bid.

The executive committee last met in mid-October. The meeting focused on several key developments across conferences, research initiatives, and operations. Progress was made on the logistics of achieving Scopus indexing for future conferences. The possibility of hosting the bi-annual Research School in New Zealand was discussed, pending financial and logistical review. Updates on awards and grants included confirmed timelines, eligibility

revisions, and new strategies to boost participation. Financial reporting showed a modest balance, with ongoing work to streamline tracking and payments. Discussions commenced with one party to establish an association sponsor, providing a pathway to finance more initiatives. The AAEE 2025 conference is progressing strongly, meeting sponsorship targets and nearing capacity. The committee also discussed election scheduling improvements, document migration to Teams, and continued collaboration on international initiatives such as the global early career network. Additional updates included New Zealand's vocational education reforms, the success of Māori and Pacific engineering initiatives, and new accreditation and generative AI projects supporting national education goals.

Have a great November

Sasha Nikolic

2025 AAEE Annual Conference



AAEE2025 is shaping up to be an interesting and provocative examination of the theme Engineering education: between the human and the digital. The keynote speakers are ready to dive into the theme but so too is the engineering education community based on submissions received so far!

Please note that recently the Australian Men's Test Ashes has been scheduled for 4-8 December in Brisbane. As a result, this has put a huge strain on Brisbane accommodation options. Anyone planning to attend the conference is encouraged to book flights and accommodation as soon as they can.

AAEE Higher Degree by Research (HDR) Symposium

The AAEE Higher Degree by Research (HDR) Symposium in Engineering Education Research (EER) offers an opportunity for Masters by Research and PhD candidates to explore and develop their research projects under the guidance of scholars from the wider engineering education community. The aims of the symposium are for HDR students to:

- Network with other students to extend their network in EER,
- Present and constructively discuss their own work and the work of others,
- Receive constructive feedback and input from scholars outside their own institution, and,
- Contribute to the AAEE community.

The 2025 AAEE HDR Symposium is planned for in-person participation at the University of Queensland campus on the afternoon of **December 7** in the lead up the AAEE conference welcome event. Further details will be announced in due course.

Any questions about the HDR Symposium can be directed to Amy Young (a48.young@qut.edu.au) or Sarah Dart (sarah.dart@qut.edu.au)

Call for Early Career Academy Applications

AAEE now encourages applications for The Academy of Early Career Engineering Educators (closing date **Friday 14 November 2025**).

This leadership and professional development program supports early career education-focused academics through networking of like-minded people and professional development opportunities. More details and the application form is available at <https://aaee.net.au/academy/>

Questions can be directed to the Academy Convenor Iain Skinner (i.skinner@unsw.edu.au) or AAEE Committee member Nick Brown (nick.brown@rmit.edu.au)

Seeking a Host for the 2026 AAEE Engineering Education Research School

The Australasian Association for Engineering Education (AAEE) is seeking Expressions of Interest from universities to Host the 2026 AAEE Engineering Education Research School.

Since 2011, The EER School (previously known as Winter School), has directly supported over 200 participants to develop the knowledge and skills required to successfully undertake EER. The EER School has traditionally been hosted by a university to provide an in-person active and engaging training environment that connects novice, emerging and experienced education researchers. Hosts of the EER school receive a free place and benefit from significantly reduced travel and accommodation expenses for participants from their institution. In return the host provides a venue and catering for the 5-day event. For reference, the 2025 EER School was hosted at the RMIT Activator in Melbourne.

Universities or consortia interested in hosting the 2026 Engineering Education Research School should contact Nick Brown (AAEE Executive Committee – Education Portfolio) nick.brown@rmit.edu.au to receive an Application Pack. Applications will be due by Friday 14th November 2025 with all applicants notified of the outcome by Tuesday 25th November 2025.

Become an Accreditation Discipline Expert for Engineers Australia

Help shape the future of engineering education by becoming an accreditation expert for Engineers Australia.

What is Accreditation?

Accreditation evaluates engineering programs—not individuals or universities—to ensure graduates are ready for professional practice as Engineering Associates, Engineering Technologists & Professional Engineers.

Why You Should Get Involved

Engineers working as academics and in industry bring their unique insights to accreditation panels, helping universities improve programs and better prepare students. Volunteers report a strong sense of professional satisfaction and impact.

What's Involved?

- 1–3 day visit with a panel of 3 (academics + industry engineers)
- EA covers travel, accommodation & meals
- You contribute your time as an in-kind gift to the profession
- Includes pre-visit reading and a short training session

More Information

- [Info Guide](#)
- [Become a Discipline Expert Webinar](#)
- [Submit an Expression of Interest](#)

Once we find a match for your discipline, we'll reach out 3–12 months before the visit.

Further Information: Helen Fairweather hfairweather@engineersaustralia.org.au

November CREITE meeting

November CREITE session Wed 26th 1230-2pm - Giving better presentations

The Centre for Research into Engineering and Information Technology Education (CREITE) holds monthly meetings exploring topical issues and the latest research in engineering education. Activities include: guest speakers discussing EER methodologies or research projects; peer feedback sessions on draft abstracts or conference presentations, and interactive sessions on different skills and approaches in EER (e.g. reviewing journal manuscripts). CREITE is hosted by the University of Technology Sydney, with members from the Sydney region and beyond, including the University of New South Wales, University of Newcastle, and Charles Sturt University. We normally meet on the third Wednesday of the month, from 1230-2pm, Feb-Nov.

Our next CREITE session is planned for Wednesday November 26, 12:30-2. This session, we'll be focusing on practice presentations for the upcoming AAEE Conference. Note that the session is one week later than usual to give everyone more time to prepare.

Why are we doing this and what do we hope you'll get out of it?

Everyone benefits from effective presentations - presenters get their ideas across better and the audience is more engaged. With the AAEE Conference coming up soon, we hope you'll leave the session with some new insights about presentations and some actionable feedback to improve your upcoming conference presentations.

What is it?

In this session, we will discuss some different aspects of effective presentations and then give everyone a chance to do a practice run of their AAEE presentation to get feedback.

Join us on Zoom:

<https://zoom.uts.edu.au/j/88012429428>

To join the Teams site or get added to our mailing list, please reach out to the coordinators:

- Guien Miao Guien.Miao@uts.edu.au
- Peter Neal peter.neal@unsw.edu.au
- Rosalie Goldsmith Rosalie.Goldsmith@uts.edu.au
- Scott Daniel Scott.Daniel@uts.edu.au

AI SIG Update

The AAEE AI SIG, known as the Australasian Artificial Intelligence in Engineering Education Centre. The different clusters have had a range of papers and workshops accepted for AAEE2025. The members look forward to presenting their latest research. It appears the AI Stream will be jammed packed, so there will be lots of sharing taking place.

New Blog Post: Building a Virtual Escape Room with AI - Hamish Fernando from the University of Sydney outlines how he used AI to build a virtual escape room. It didn't make it easier; it made it possible! Gain insights into the process so that you can replicate it.

<https://www.aaiecc.org/post/building-a-virtual-escape-room-with-ai>

Calls for Expressions of Interest in Hosting AAEE in 2028

The AAEE conducts an annual conference throughout Australia and New Zealand to promote engineering education scholarship and facilitate the dissemination of research and best practices throughout the engineering education community. An EOI to host AAEE2028 is due on **17 November 2025**.

Hosting this conference brings substantial visibility to your university and city. It provides a great networking platform and professional development opportunities within engineering education.

The 'Procedures to Host the 2028 conference' is now available on [the AAEE website](#). Please contact enda.crossin@canterbury.ac.nz with any questions or queries.

Engineering Registration & Chartered Information

There have been requests from the community for information to help academics better understand registration and becoming chartered. Engineers Australia, via its OnDemand platform, provides resources that can build this understanding. There are paid and free options. You will need to log in with your EA ID, which you have to become an AAEE member.

For videos on registration: <https://eaondemand.engineersaustralia.org.au/Search?searchtext=registration>

For videos on becoming chartered: <https://eaondemand.engineersaustralia.org.au/Search?searchtext=chartered>

Latest Papers in the *Australasian Journal of Engineering Education*

(in order of date published)

Yun, M., & Crippen, K. J. (2025). Work systems in underwater ROV operations: educational insights for workforce development in maritime engineering. *Australasian Journal of Engineering Education*, 1–17. <https://doi.org/10.1080/22054952.2025.2485010>

O'Connor, S., Power, J., Blom, N., & Tanner, D. (2025). Engineering students' perceptions of problem and project-based learning (PBL): comparing online and traditional face-to-face environments. *Australasian Journal of Engineering Education*, 1–25. <https://doi.org/10.1080/22054952.2025.2493419>

Richter, T., & Kjellgren, B. (2025). Comparing peer-reviewed competence frameworks for engineers: a systematic review and critical discussion of backgrounds, development, and content. *Australasian Journal of Engineering Education*, 1–22. <https://doi.org/10.1080/22054952.2025.2509390>

Forero-Gómez, A., Valdez Jiménez, W., Rojas-Chávez, A., Rosado-Mendinueta, N., Benítez-Velásquez, T., Yepes-Martínez, J., ... Pastrán Chirinos, M. Y. (2025). Exploring the role of writing in the Mechanical Engineering curriculum: an integrative approach. *Australasian Journal of Engineering Education*, 1–14. <https://doi.org/10.1080/22054952.2025.2517947>

Techanamurthy, U., Chuah, K. M., & Yee, I. van. (2025). Developing engineering students' empathy skills using serious games in project management: an exploratory study. *Australasian Journal of Engineering Education*, 1–15. <https://doi.org/10.1080/22054952.2025.2538329>

McHenry, R., Krishnan, S., Beer, A., & Tuck, L. (2025). Towards the development of hydrogen engineering education curriculum in Australia: recommendations from the world of engineering practice. *Australasian Journal of Engineering Education*, 1–18. <https://doi.org/10.1080/22054952.2025.2559486>

McHenry, R., & Krishnan, S. (2025). Observations of cultural influences on sociotechnical practices of three early career engineers: a multiple case study analysis. *Australasian Journal of Engineering Education*, 1–19. <https://doi.org/10.1080/22054952.2025.2565027>

Special Interest Groups (SIG)

Currently, AAEE has one active Special Interest Group — AI in Engineering Education. This SIG has already sparked several multi-institution collaborations, publications, and dissemination events.

Special Interest Groups are a powerful way to connect members who share common interests, foster collaboration, and advance emerging areas within engineering education.

We invite members of the community, especially those who have recently completed or are leading multi-institution projects, to consider forming new SIGs. Opening up your research ideas or thematic interests to the wider AAEE community can lead to fresh perspectives, stronger networks, and sustained impact.

Ideally, a SIG would commence with a committee of at least 5 people, from at least 3 different institutions. This provides a strong foundation for growth and sustainability. The SIG President should be prepared to dedicate time and effort to lead, motivate, and coordinate activities that drive collaboration and impact across the group. This workload availability is essential to give any SIG a positive chance at success.

If you have an idea for a new SIG, please contact me (sasha@uow.edu.au). Let's work together to expand the conversation and strengthen collaboration across our community.