



Australasian Association for  
Engineering Education



# What's on in AAEE?

2020 Edition 6 - August

- AAEE2020 Full Paper Deadline Extended!
- AAEE2020 HDR Symposium
- Summer and Winter School 2021 EOI open
- AAEE Awards nominations open
- Citations for Outstanding Early Career Contributions to Engineering Education nominations open
- Early Career Academy Applications Open
- Virtual Networking Webinar Applications Open
- From the Community – New FOR codes, online events and conferences, opportunities available as well as resources and discussion from the Facebook group!

EVENT:

## AAEE2020 Full Paper Deadline Extended!

With extension requests rolling in steadily, AAEE2020 have decided to extend the submission deadline for full papers for this year's conference to **Tuesday 8<sup>th</sup> September**. We are also still accepting full papers if an abstract has not previously been submitted.

We look forward to your contributions to what may be the most aptly themed conference in history - *Disrupting Business as Usual in Engineering Education*, which will now be fully online. For further details and paper templates, please visit [www.aee2020.com.au](http://www.aee2020.com.au)



**AAEE2020** Conference 6 - 9 December, Sydney



EVENT:

## AAEE2020 HDR Symposium!

The inaugural AAEE Higher Degree by Research (HDR) Symposium in Engineering Education Research offers an opportunity for Masters by Research and PhD candidates to explore and develop their research projects under the guidance of well-known senior scholars led by Prof. Les Dawes and Prof. Olivera Marjanovic. During the HDR Symposium, participants will share their current dissertation work, exchanging feedback, as well as network with peers.

The HDR symposium will run online on **Friday 04 December** as a ½ day pre-conference workshop (time TBC) for the AAEE2020 Conference. All participants must also be registered for the main conference, with attendance to the HDR Symposium covered in the conference cost.

We now **invite HDR students in Engineering Education Research (EER) to apply to participate** in the HDR symposium **by COB 14 September 2020**. Further [information and application document is available here](#).

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INFORMATION:

## **AAEE Summer and Winter Schools 2021 EOI**

AAEE are now accepting expressions of interests (EOI) for hosting the 2021 Summer and Winter School Programs. More information on the EOI submission process and hosting procedures can be found here for [Summer School \(NZ only\) and Winter School](#). EOIs will be accepted up to **30 September 2020**.

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INFORMATION:

## **AAEE Annual Awards Nominations Opens**

The AAEE Annual Awards recognise outstanding contributions to engineering education in Australasia. Awards are presented each year at the AAEE Annual Conference and are judged by a panel of experts drawn from across Australasia. They include:

- **Australian Council of Engineering Deans National Award for Engineering Education Excellence** for demonstrated excellence in Engineering Education
- **Engineering Education Research Design Award** for rigorous, innovative and transferable research design in the field of Engineering Education
- **Engineering Education Engagement Award** for fostering an excellent standard of successful engagement with stakeholders in Australasian Engineering Education

The 2020 AAEE Annual Awards are now open. Eligibility and judging criteria along with the submission portal can be found on the [EA Technical Society Awards](#) page.

**Submissions are due to the [EA Technical Society Awards portal](#) by 01 October 2020.**

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INFORMATION:

## **Citations for Outstanding Early Career Contributions to Engineering Education Nominations Opens**

In addition to the AAEE Annual Awards, AAEE also awards Citations for Outstanding Early Career Contributions to Engineering Education. These are also awarded at the Annual Conference and judged by a panel of experts across Australasia. Citations recognise and reward the diverse contributions made by individuals to the quality of engineering student learning and teaching at the early stages of their career.

For further information on eligibility, judging criteria and how to submit [please see here](#). **Nominations close October 01 2020.**

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INFORMATION:

## **Call for Early Career Academy Applications**

AAEE now encourages applications for its Academy of Early Career Engineering Educators.

This leadership and professional development program focuses on mentoring and supporting early career education-focused academics. It aims to inspire, motivate and educate its members through close networking of like-minded people, who will assist with professional development, employability and leadership potential in engineering education.

For more information for candidate and mentor applications [please see here](#). All submissions due by 5pm Friday 28th August 2020.

EVENT:

## **AAEE Virtual Networking Series Applications Open**

AAEE is now accepting applications for a Virtual Networking Webinar Series. Applications can be either a presentation proposal or a request for a curated session around a particular topic. If you're interested in proposing a presentation or requesting a curated session, [please see this link for further details](#).

## ***Australasian Journal of Engineering Education (AJEE)***

The *Australasian Journal of Engineering Education* special issue '**Engineers for the future: embracing diversity**' is now available. Many of the papers are expanded from the AAEE2018 Annual Conference. Papers contribute to knowledge on embracing diversity in student recruitment, teaching, student experience, and engineering stakeholders. Topics include single/co-educational schooling, physical abilities, spatial abilities, mathematics preparation, civilian/defence status, refugees, and Indigenous culture. Additionally, the issue opens and ends with papers looking back and forward. Authors are from Australia, New Zealand, Indonesia and the US.

### **Editorial**

- [Editorial](#)  
Sally A. Male  
Pages: 1-2 | DOI: 10.1080/22054952.2020.1808938

### **Research Articles**

- [Emerging learning environments in engineering education](#)  
Roger G. Hadgraft & Anette Kolmos  
Pages: 3-16 | DOI: 10.1080/22054952.2020.1713522
- [Engineering design with Syrian refugees: localised engineering in the Azraq refugee camp, Jordan](#)  
Claudio Freitas & Jennifer DeBoer  
Pages: 17-30 | DOI: 10.1080/22054952.2020.1793612
- [The contribution of gender segregated secondary education on the progression to engineering](#)  
Paul D. Docherty , Wendy H. Fox-Turnbull , Katharina Naswall , Annie Homewood , Hollie Bradley , Pinelopi Zaka & J. Geoffrey Chase  
Pages: 31-38 | DOI: 10.1080/22054952.2020.1788254
- [Teaching physics concepts without much mathematics: ensuring physics is available to students of all backgrounds](#)  
Marcus T. Wilson , Sinduja Seshadri , Lee V. Streeter & Jonathan B. Scott  
Pages: 39-54 | DOI: 10.1080/22054952.2020.1776027
- [An examination of the role of spatial ability in the process of problem solving in chemical engineering](#)  
Sheryl A. Sorby , Gavin Duffy & Norman Loney  
Pages: 55-65 | DOI: 10.1080/22054952.2020.1785653

- [How do students in different minority groups experience first-year engineering?](#)  
Kate F. Wilson & Kate Wilson  
Pages: 66-78 | DOI: 10.1080/22054952.2020.1796044
- [Exploring student disability and professional identity: navigating sociocultural expectations in U.S. undergraduate civil engineering programs](#)  
Cassandra McCall , Ashley Shew , Denise R. Simmons , Marie C. Paretti & Lisa D. McNair  
Pages: 79-89 | DOI: 10.1080/22054952.2020.1720434
- [Extending assessment of engineering professional skills to include the local indonesia higher education competency](#)  
Hadisantono Hadisantono , Gerard Rowe & Nasser Giacaman  
Pages: 90-102 | DOI: 10.1080/22054952.2020.1807730
- [Employer and academic staff perceptions of science and engineering graduate competencies](#)  
E. Khoo , K Zegwaard & A Adam  
Pages: 103-118 | DOI: 10.1080/22054952.2020.1801238

## From the Community

If you have an upcoming event, opportunity or resource you would like to be considered to be shared with the broader AAEE community via the newsletter - please either post it to the Facebook group or [submit it via the website portal](#) by the 1<sup>st</sup> of each month.

INFORMATION:

### New FOR codes!

The Australian and New Zealand Standard Research Classification 2020 Fields of Research (FoR) codes are available from the [Australian Bureau of Statistics website here](#). New FOR codes have been added that may be of interest to the AAEE community including:

- 401002 Engineering Education
- 401003 Engineering Practice
- 401004 Humanitarian Engineering
- 390115 Work Integrated Learning

INFORMATION:

### Online Events and Conferences

- 20 – 24 September – [European Society for Engineering Education \(SEFI\) Annual Conference](#)
- **Weekly** (typically announced Monday) – [IFEES Webinars](#)

OPPORTUNITIES:

### Opportunities

Research and Publishing:

- *Journal of Engineering Education* is calling for papers for a Special Themed Section on the 'Effects on the Engineering Education Community of the COVID-19 Pandemic'. Submission Deadline 1 December 2020. [See this statement for further information](#).

INFORMATION:

### Resources and Discussion

A quick snapshot of the discussions, shared articles and resources from the Facebook group lately. If you're on Facebook and not yet a member, [join the group online here](#).

- [AAEE wiki](#)

- [Teaching in a Dystopian Hellscape: Practical Pedagogy Tips for Fall 2020](#)
- Recordings from previous CHEER UP webinars - <http://bit.do/cheerupvideos>
- Recordings from [Education 4.0 Our Next Phase to Curriculum and Assessment Design International Virtual Series](#)
- [Proposed updated IEA Benchmark for Graduate Attributes and Professional Competencies](#)
- Discussion on university wage theft/casual worker underpayment reports (For Example see: [ABC Article on University of Melbourne repayment agreement](#))

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