



What's on in AAEE?

2020 Edition 3 - May

- Online Awards Roadshow
- Early Career Academy Applications Open
- AAEE2020 Conference
- Virtual Networking Webinar Applications Open
- AAEE Summer School Reflection
- Selected AJEE articles available for free for a limited time only
- From the Community – Online events and conferences, ASEE-SEFI joint statement on diversity, equity and inclusion, opportunities available as well as resources and discussion from the Facebook group!

EVENT:

AAEE Online Awards Roadshow

AAEE is pleased to announce the 'AAEE Online Awards Roadshow'. The Roadshow showcases and celebrates the award-winning contributions to Australasian engineering education made by the recipients of the AAEE Awards. Further information [can be found here](#), an overview of upcoming presentations are below.

Design, Build, Break, Repeat – 20 years of Monash Motorsport

2019 AAEE Award for Engineering Education Engagement

Dr Scott Wordley

Tuesday 23 June, 3-4pm AEST

Registration via Eventbrite

Inspiring students to learn programming through student-centered, active learning

2019 AAEE Citation for Outstanding Early Career Contributions to Engineering Education

Dr Tony Vo

Monday 29 June, 11am – 12pm AEST

Registration via Eventbrite

Assessment of Socio-Technical and Co-Design Expertise in Humanitarian Engineering

2019 AAEE Award for Engineering Education Research Design

Dr Andrea Mazzurco and Dr Scott Daniel

Thursday 09 July, 12-1pm AEST

Registration via Eventbrite

INFORMATION:

Call for Early Career Academy Applications

The Australasian Association for Engineering Education (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:

AAEE2020

Join us for what may be the most aptly themed conference in history - *Disrupting Business as Usual in Engineering Education*. Please visit www.aee2020.com.au for full details.



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](#).

REFLECTION:

AAEE Summer School Reflection

AAEE Summer School took place 3-5 March 2020 at Wintec House, Hamilton, New Zealand. Attendee Andrea Kolb, Professional Teaching Fellow with the Department of Chemical and Materials Engineering at The University of Auckland wrote a short reflection for the Faculty's newsletter which we're delighted to share with the broader AAEE community.

"The Australasian Association for Engineering Education (AAEE) comes regularly together for conferences and workshops. In early March 2020, Anne Gardner from the University of Technology Sydney and Keith Willey from the University of Sydney held a 3-day AAEE summer school hosted by Waikato Institute of Technology (Wintec) in Hamilton, New Zealand. The summer school focused on the key principles of doing educational research. This topic attracted a total of fourteen participants (see photo) from New Zealand's upper North Island including six participants from the Faculty of Engineering at the University of Auckland (UoA).

From my novice's point of view, Anne and Keith did a fantastic job of easing us into the field of engineering education by appropriately scaffolding the content. Among others, we discussed the purpose, design, execution, evaluation, communication and impact of engineering education research. Furthermore, both Anne and Keith are experienced learning facilitators who expertly applied a mix of hands-on exercises, group discussions, interesting anecdotes and transmission of

information. We spent a necessary period on exploring theoretical frameworks, methodologies and research methods which seemed confusing at the beginning. In the end, however, things fell into place and I was able to outline a research project which might become reality.

My time in Hamilton was well invested: I learned a lot, ate well, felt inspired, grew my network and planned my next career development – all with the help and generosity of the AEE community. I can fully recommend the AEE summer school.



Image: Facilitators and participants in the Australasian Association for Engineering Education (AEE) 2020 summer school at Waikato Institute of Technology in Hamilton.

Australasian Journal of Engineering Education (AJEE) News

UPDATE:

Selected AJEE papers open and free to access for a short time only

The selected papers below in the *Australasian Journal of Engineering Education* have been opened for free access by Taylor & Francis until 30 June 2020. Please share with your colleagues to promote the journal.

- [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
Year: 2020
DOI: 10.1080/22054952.2020.1720434
- [Video coding of classroom observations for research and instructional support in an innovative learning environment.](#)
David Evenhouse, Austin Zadoks, Claudio Cesar Silva de Freitas, Nimit Patel, Rohit Kandakatla, Nick Stites, Taylor Prebel, Edward Berger, Charles Krousgrill, Jeffrey F. Rhoads, Jennifer DeBoer
Year: 2018
DOI: 10.1080/22054952.2018.1519984
- [Learning and teaching style assessment for improving project-based learning of engineering students: A case of United Arab Emirates University.](#)
Rezaul K. Chowdhury
Year: 2015
DOI: 10.7158/D13-014.2015.20.1
- [Threshold concepts in undergraduate engineering: Exploring engineering roles and value of learning.](#)
Sally A. Male and Dawn Bennett
Year: 2015
DOI: 10.7158/D14-006.2015.20.1

Have you seen the [latest from AJEE](#)?

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 email ashlee.m.pearson@gmail.com by the 1st of each month.

INFORMATION:

Online Events and Conferences:

- 20 June – FEIAP Youth in Action Webinar – [Engineers in the Academe, Asia Pacific View in Engineering Education in the Midst of Global Pandemic](#)
- **23 June – AAEE Online Awards Roadshow - [Design, Build, Break, Repeat – 20 years of Monash Motorsport](#)**
- 24 June – [The Engineering Education Research Meet Up](#) (Celebrating International Women in Engineering Day)
- 24 June – Monash University Faculty of Education – [Digital Education after COVID-19](#)
- 25 June - [#DryLabsDownUnder](#) – An ideas exchange forum on developing online laboratories, online assessments and creating a social environment for collaboration
- 21 – 25 June – American Society for Engineering Education (ASEE) Annual Conference has moved online at a significantly reduced rate. [See here for the full statement.](#)
- **29 June - AAEE Online Awards Roadshow - [Inspiring students to learn programming through student-centered, active learning](#)**
- 1 July – Royal Academy of Engineering STEM Education Policy Series - [Sustainability in Engineering Education](#)
- 8 July – Royal Academy of Engineering STEM Education Policy Series – [Exclusion in everyday science](#)
- 8 July – American Society for Engineering Education (ASEE) Commission on Diversity, Equity and Inclusion [Summer Webinar Series](#) – Asset Models in Research
- **09 July - AAEE Online Awards Roadshow - [Assessment of Socio-Technical and Co-Design Expertise in Humanitarian Engineering](#)**
- 14 July – The Institute of Engineering and Technology – New Approaches to Engineering in Higher Education: [Accreditation and Innovation](#)
- 15 July – American Society for Engineering Education (ASEE) Commission on Diversity, Equity and Inclusion [Summer Webinar Series](#) – Promoting Student Wellness in the Online Classroom (A discussion)
- 22 July – American Society for Engineering Education (ASEE) Commission on Diversity, Equity and Inclusion [Summer Webinar Series](#) – Universal Design for Learning: How can inclusive teaching methods challenge and support all students?
- 20 – 24 September – European Society for Engineering Education (SEFI) Annual Conference has moved online and extended the deadline for submissions for the SEFI doctoral symposium to 1 June. [For more details see conference website.](#)
- **Weekly** (typically announced Monday) – [IFEES Webinars](#)

INFORMATION:

ASEE-SEFI Joint Statement on Diversity Equity and Inclusion

As representatives of Engineering Education in Europe and North America, SEFI and ASEE align their diversity in engineering education initiatives in a [Joint Statement on Diversity Equity and Inclusion](#).

This paper was written by members of both Societies under the coordination of Susan E. Walden (ASEE) and Ines Direito (SEFI) and calls for active promotion of diversity in engineering, particularly supporting those who have been continuously disadvantaged, and also ensure that all individuals are provided with equal opportunity to access, pursue, and advance in engineering careers.

OPPORTUNITIES:

Opportunities

Research and Publishing:

- *Advances in Engineering Education* is seeking short, 1000-word papers for a special issue on COVID-19 and the conversion to virtual learning. Submission deadline 30 June. [See this statement for further information](#).
- *European Journal of Engineering Education* is calling for papers for a special issue on Online Laboratories in Higher Engineering Education: Solutions, challenges and future directions from a pedagogical perspective. Submission deadline for extended abstracts is 01 July 2020. [See this statement for further information](#).
- *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](#).

Position:

- Student Platform for Engineering Education Development (SPEED) – Open call for educational content officers. [For more information see here](#).

Employment:

- [Open Rank Faculty Members in Human – Centred Engineering – Boston College: Morrissey College of Arts and Sciences](#); open date from 26 Mar 2020
- [Women in Science and Engineering role at RMIT University](#) – Ongoing Expressions of Interest

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](#).

- Bibliography collection housed open access by Prof. Mick Healey on a range of topics including writing about learning and teaching in formal higher education and examples of the practice of writing about learning and teaching illustrating different genres. It was developed while they were preparing Healey, Matthews and Cook-Sather (2019; 2020), both of which are/will be available as open access publications. The bibliographies can be found on [Prof. Healey's website here](#).
- GEDC-SEFI Global Virtual Internship Programme is now live. **To host an internship:** You may register to our platform [here](#). **To share the opportunities with your students:** Register

on the platform above. Login to the platform where you will be given a unique code for your university. Send the code and this link to the students you wish to give access: <https://gedc-virtual-internships.com/> The code can be used multiple times, but is unique to your university so please do not share further. *If you have any questions or technical issues, please contact info@gedc-virtual-internships.com.*

- [A Washington Post article](#) including some commentary on educational research and design – Article title: Many colleges are bringing students back to campus this fall. Why some faculty are very concerned.
- Large discussion on educational strategies and practical guide on re-conceptualising face-to-face learning in light of mandatory OHS COVID-19 requirements (E.g. see [Advanced HE article on Socially distanced on campus education: the next big question](#))
- Ethics in engineering education
- Large discussion on the purpose and need for a higher education degree (Sample/base articles – [Business Insider, Elon Musk says college is 'basically for fun' but 'not for learning', and that a degree isn't 'evidence of exceptional ability'](#); [European Journal of Engineering Education Guest Editorial by James Trevelyan on Transitioning to Engineering Practice](#))
- [A survey of UK Engineering departments responses to COVID-19](#) by the Engineering Professors Council
- On demand webinar – [Future of Education](#)

[Unsubscribe from AAEE](#)