



Australasian Association for
Engineering Education



What's on in AAEE?

2020 Edition 2 - April

- AAEE2020 Conference Update
- New AJEE Articles Available
- From the Community – Celebrating AAEE members success, online events and webinars, interesting bits from the internet, connecting with the AAEE community, opportunities available and resources for going online!

EVENT:

AAEE 2020 Update!

The deadline of abstracts has been extended to 17th May in light of recent global events. We invite your submissions for possibly the most aptly themed conference in history - *Disrupting Business as Usual in Engineering Education*. Please visit www.aee2020.com.au for full details.



AAEE2020 Conference 6 - 9 December, Sydney



Australasian Journal of Engineering Education (AJEE) News

UPDATE:

Latest Articles!

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

- [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
DOI: 10.1080/22054952.2020.1720434
- [Emerging learning environments in engineering education](#)
Roger G. Hadgraft & Anette Kolmos
DOI: 10.1080/22054952.2020.1713522

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.

CELEBRATION:

Celebrating AAEF Members Success

We congratulate the following members of the AAEF community for their success in receiving a Citation for Outstanding Contributions to Student Learning as part of the Australian Awards for University Teaching on 25 February 2020.

Dr Sarah Dart – AAEF Winter School Alumna

Dr Sasha Nikolic – Member of the AAEF Executive Committee and one of the original members of AAEF Early Career Academy

Both Sarah and Sasha were also awarded an AAEF Citation for Outstanding Early Career Contributions to Engineering Education in 2019.

INFORMATION:

Upcoming Online Events and Webinars

- 9 April – American Society for Engineering Education (ASEE) Webinar – [Storytelling to Propel Research and Teaching](#)
- 15 April - American Society for Engineering Education (ASEE) Webinar – [Training Engineers to Combat Climate Change](#)
- 22 April - [Engineers Declare Online National Forum](#)
- 24 April – American Society for Engineering Education (ASEE) Webinar – [Introducing IPERF – Innovative Research Opportunities and Professional](#)
- 29 April – Monash University Faculty of Education - [Let's talk STEM – Breaking down the barriers to school engagement](#)
- 29 April – Transforming Assessment – [2020: Detecting and addressing contract cheating in online assessment](#)
- 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.](#)

INFORMATION:

Some Interesting Bits From the Internet This Month

- European Journal of Engineering Education (EJEE) Special Issue Call for Papers on Online Laboratories in Higher Engineering Education: Solutions, challenges, and future directions from a pedagogical perspective. Due 1 July 2020. [See notice for more information.](#)
- [Create article – Engineering work placements don't always benefit everyone, research shows](#)
- Women and Leadership Australia – [Enhance your career in 2020 with a mining and resource female leader's scholarship.](#) Due 15 May.
- Royal Academy of Engineering – [2019 Global Engineering Index](#)
- The National Academies of Sciences, Engineering, Medicine Consensus Study Report – [Promising Practices for Addressing the Underrepresentation of Women in Science, Engineering and Medicine](#)
- Financial Review – [Horizons widen for university engineers](#)

INFORMATION:

You're not alone! Connect in with the AAEE community

If you're feeling frustrated, alone or just want to see how other members of the AAEE community are handling teaching and research in the current climate, you can [join the AAEE Facebook group here](#).

If you're a PhD or Masters by Research student and working on a project related to engineering education, there's a Slack group for that. You can join by emailing Ashlee at ashlee.m.pearson@gmail.com. If you supervise PhD or Master by Research students on topics related to engineering education, please share this information with your students.

The more the merrier because after all, we're all in this together.

OPPORTUNITIES:

Opportunities

- [Postdoc in Communication and Learning in Science - Chalmers University of Technology](#); 24 month fully funded position starting October 2020, deadline 15 May 2020
- [Professor in Problem Based Learning in Engineering Education – Aalborg University](#); deadline 31 May 2020
- [Post-Doctoral Fellow – Northwestern University](#)
- [Open Rank Faculty Members in Human – Centred Engineering – Boston College: Morrissey College of Arts and Sciences](#); open date from 26 Mar 2020

INFORMATION:

Going online? Resources from the community

We put a call out to the AAEE community for their best resources for going online. Now the dust has settled a little and the initial shock is over, why not take a look and see if anything can help you in delivering your face-to-face unit online.

- [SEFI's open and online education nexus](#) is a home for experiences, tips and tricks with regard to online education
- Purdue University School of Engineering Education [Video Series on Online Teaching](#)
- [Purdue Online Student Toolkit](#)
- [Remote Teaching Resource Database](#) managed by Daniel Stanford, Director of Faculty Development and Technology Innovation, Centre for Teaching and Learning, DePaul University
- [Video from a Chalmers Professor](#) on how to implement online teaching from a practical standpoint including various useful tools
- Mathworks has prepared free COVID-19 licenses for universities to allow either MATLAB online use or local/personal installations for all staff and students. These are being rolled out at a university wide level, contact [Ken Dunstan](#) if your institution needs assistance with this
- Mathworks are providing free online, interactive training courses (with program certificates) for MATLAB. [See this link for details](#).

- A reminder to share mental health and wellbeing support services, along with any financial aid packages that may be relevant with your students, many of whom have lost their jobs, some of which are facing homelessness and food insecurity.
- Wolfram Research have also made Mathematica available to support remote work
- Twitter channels sharing useful resources – Open University’s Learning Design Team (@OU_LD_Team), Resources for PhD students (@virtualnotviral), General resources and connecting with Education focused academics (@RMITsehadg)
- Inside Higher Ed article – [“So you want to temporarily teach online”](#)
- Arizona State University Teach Online – [A brief guide to producing videos from your home or office](#)
- Opinion Piece (don’t judge it by the title) – [Please do a bad job of putting your courses online](#)
- Great [series of infographics on “Do This, Not that”](#) for online teaching particularly in the current environment.
- Association of College and University Educators [Online Teaching Toolkit](#)
- [AAEE wiki](#) may also have some useful information that you could use

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