



What's on in AAEE?

2020 Edition 1 - February

- AAEE2020 Conference Announced
- AU Winter School Announced
- New AJEE Issue Available
- Call for Papers – REEN Special Issue in AJEE on 'Ethics in Engineering Education and Practice'
- From the Community – PERTH Events, Plan your 2020 and beyond, AAEE Facebook group events, opportunities and resources round-up

EVENT:

AAEE 2020 Announced – UTS and University of Sydney to co-host!

AAEE is pleased to announce that University of Technology Sydney (UTS) and the University of Sydney will co-host the 2020 AAEE Conference. Please mark **6-9 December 2020** in your diaries and join us as we talk 'Disrupting Business as Usual' with keynotes booked from Prof. Sheryl Sorby (ASEE President-elect) on disrupting the curriculum, A/Prof. Keith Willey on disrupting the academy.



EVENT:

AAEE Australian Winter School 2020 Announced

Winter School 2020 has been announced as being hosted by The University of Western Australia (Perth) **13-17 July 2020!** Please join us for an immersive experience that brings together engineering education researchers. Similar to Summer School, attendees will learn about designing effective education research and positioning this in light of current trends, evaluating teaching and curriculum as well as building collaborative research partnerships across Australasia and beyond. The Winter School will be facilitated by experienced Australasian researchers in the field of engineering education - Elaine Chapman, Scott Daniel, Anne Gardner, Sally Male, James Trevelyan and Keith Willey. All of whom have extensive experience supporting academics and PhD students to develop their skills in engineering education research.

Dates: 13 – 17 July 2020

Fees for the 5 days (including instruction, materials, and daytime catering):

\$500 for PhD students (who are not full-time academics)

\$800 for academic staff who are members of AAEE

\$900 for academic staff who are not members of AAEE

Daily registration for AAEE Winter School alumni on Thursday and/or Friday:

\$150 for PhD students (who are not full-time academics)

\$200 for academic staff

If the direct flight time from where you work to Perth is more than 2 hours there will be a \$100 reduction in these registration fees to assist with flight costs.

Deadline for registration: Monday 29th June 2020.

For registrations and enquiries: <https://www.surveymonkey.com/r/PW65MVN>

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

UPDATE:

Volume 24, Issue 2 (Nov 2019) Now Available!

The newest edition of AJEE, [Volume 24, Issue 2](#), is out now! Check out the following articles that feature in it.

- [Editorial](#)
Sally Male
DOI: 10.1080/22054952.2019.1700603
- [Humanitarian engineering education fieldwork and the risk of doing more harm than good](#)
Cristian H. Birzer and Jaimee Hamilton
DOI: 10.1080/22054952.2019.1693123
- [A review of progress and opportunities to foster development of sustainability-related competencies in engineering education](#)
Cheryl Desha, Debra Rowe and Doug Hargreaves
DOI: 10.1080/22054952.2019.1696652
- [STEAM without hot air: strategy for educating creative engineers](#)
Mark Dyer
DOI: 10.1080/22054952.2019.1693122
- [TRIZ thinking heuristics to nurture future generations of creative engineers](#)
Iouri Belski
DOI: 10.1080/22054952.2019.1699493

ANNOUNCEMENT:

Call for Papers for REES2019 Special Issue in AJEE on 'Ethics in Engineering Education and Practice'

The Call for Papers for the REES 2019 Special Issue in AJEE on 'Ethics in Engineering Education and Practice' has been published on the journal website. It is not necessary to have presented at REES to submit a manuscript.

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.

EVENTS:

Upcoming PERTH Events

- **TRIZ Seminar** hosted by UWA Engineering & Science Education, Society and Work Research Cluster by Prof. Iouri Belski (RMIT University). This seminar will uncover ways of effectively embedding simple heuristics of the Theory of Inventive Problem Solving (TRIZ) into existing engineering courses. Participants will learn a couple of simple TRIZ heuristics and also find out; why TRIZ heuristics suit the engineering profession the most, the outcomes of usage of educational materials offered by the TRIZ Repository (www.edisons21.com) by educators in Australia, New Zealand and Hong Kong, how to choose a TRIZ heuristic that suits their courses and how to engage students in learning TRIZ heuristics with fun.

Prof. Iouri Belski is a Professor of Engineering Problem Solving with the School of Engineering at RMIT University. He is a recipient of numerous awards including the Australian Award for Teaching Excellence and the National Senior Teaching Fellowship. He is a Principal Fellow of HEA, Senior Member of IEEE and a TRIZ Master.

Date: Tuesday 18 February 2020

Time: 13:00 – 15:00

Venue: The University of Western Australia, Cheryl Praeger Lecture Room
(<http://bit.ly/2upS189>)

RSVP: <https://www.eventbrite.com.au/e/triz-seminar-tickets-89937670995>

The event is supported by the Australian Government Department of Education. The views expressed do not represent the Department.

- **International Society for the Scholarship of Teaching and Learning (ISSOTL)** is being hosted by UWA this year. Proposals are due by 15 March 2020. For more information please see: <https://www.issotl.com/call-proposals>

INFORMATION:

Information on Engineering Education Journals!

The Research in Engineering Education Network (REEN) have worked with representatives of numerous journals that publish engineering education research to compile a resource to help researchers navigate available publication venues and improve the overall quality of reviews provided by engineering education research journals. You can find the resource here: <https://www.reen.co/ee-journals>

EVENTS:

Plan your 2020 and beyond

We've done a quick whip around of major engineering education conferences and included all the key information below. Please note these are subject to change at the organisations discretion so check their websites for further details.

	Abstracts Due	Conference Dates and Location
AAEE Annual Conference	TBA	6 -9 December Sydney, Australia
IEEE World Engineering Education Conference (EDUNINE)	Closed	15-18 March Bogotá, Colombia
IEEE Global Engineering Education Conference (EDUCON)	Closed	28 - 30 April Porto, Portugal
Canadian Engineering Education Association (CEEA-ACEG) Annual Conference	Closed	18 - 21 June Montreal, QC, Canada
American Society for Engineering Education (ASEE) Annual Conference	Closed	21 - 24 June Montreal, QC, Canada
Higher Education Research and Development Society of Australia (HERDSA) Annual Conference	Closed	30 June – 3 July Brisbane, Australia
European Society for Engineering Education (SEFI) Annual Conference	1 March	20 - 24 September Enschede, Netherlands
Frontiers in Education (FIE) Conference (Engineering and Computing Education)	4 February	21 – 24 October Uppsala, Sweden
International Society for the Scholarship of Teaching and Learning (ISSOTL)	TBA	27 – 30 October Perth, Australia
World Engineering Education Forum (WEEF-GEDC)	11 May	15 - 20 November Cape Town, South Africa
IEEE TALE (International Conference on Teaching, Assessment and Learning for Engineering)	TBA	TBA Takamatsu, Japan
Research in Engineering Education Symposium (REES) and AAEE Annual Conference (2021)	TBA	5 – 9 December 2021 Perth, Australia

INFORMATION:

AAEE Facebook Group Events, Opportunities and Resource round-up!

Here's a round up of the hot events and resources being shared in the Facebook group lately. If you're on Facebook and not yet a member, [join the group online here](#).

- [Melbourne University's Centre for Higher Education Public Seminar Series](#) (Feb – May)
- [Summary of a Systematic Review of a large body of evidence on effective university teaching methods](#)

- [Open call: Associate Editor for the European Journal of Engineering Education](#) (Closes March)
- [Society for Learning Analytics Research \(SoLAR\) Webinar with Professor Sanna Järvelä from University of Oulu, Finland, a world-renowned expert in Self-Regulated Learning and Computer-Supported Collaborative Learning research on “Researching socially shared regulation in learning.”](#) (18 Feb 7-8pm Eastern European Standard Time)
- HERD (Higher Education Research and Development) have put out a [call for papers on Ō tātou reo, Na domoda, Kuruwilang birad: Indigenous voices in higher education](#). Guest Editors: Meegan Hall, Sereana Naepi, Susan Page. Submissions close 13 March.

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