

**Call for Papers: Special Issue on
Ethics in Engineering Education and Practice**
Australasian Journal of Engineering Education (AJEE)
Initial Submission Deadline: 1 March 2020

Following the Research in Engineering Education Symposium (REES) in Cape Town 2019, REES delegates and other researchers are invited to submit original manuscripts for a special issue of AJEE on the theme 'Ethics in Engineering Education and Practice'.

Editorial Team

This special issue is being coordinated by the global Research in Engineering Education Network which oversees the biannual Research in Engineering Education Symposia.

Editors for the issue:

Shannon Chance (Guest), University College London, UK and Technological University Dublin, Ireland (shannonchance7@gmail.com)
Johannes Strobel (AJEE Editorial Team), University of Missouri, US (strobelj@missouri.edu)

Guest associate editors:

Andrea Mazzurco, Swinburne University of Technology, Australia
Teresa Hattingh, North West University, South Africa
Valquiria Villas-Boas, Universidade de Caxias do Sul, Brazil

The journal's editor in chief is Sally Male, and its deputy editor is Anne Gardner.

Journal Overview

The Journal's Overall Aims and Scope:

The Australasian Journal of Engineering Education (AJEE) is published under the auspices of the *Australasian Association for Engineering Education (AAEE)*, a technical society of *Engineers Australia*. The *AJEE* publishes research to inform high quality engineering education in Australasia and internationally.

Papers in the *AJEE* report research that makes an original contribution to knowledge and can be used to improve engineering education by informing practice, policy, and/or research.

Fields of interest include the following:

1. Engineering education throughout the lifespan including: kindergarten, primary, secondary and tertiary education, and learning throughout the career
2. Education for engineering team members including: engineering associates, engineering technologists, professional engineers, engineering managers and executives, and people contributing to society using engineering knowledge and skills
3. Understanding engineering practice to inform curriculum development

Contributions must be relevant to readers in Australasia and/or internationally. Studies that are relevant *only* to readers in a region outside Australasia would not be considered for publication.

AJEE is published online and in print. Papers can be accessed online as soon as the review and production processes are completed.

Papers accepted for publication have been peer reviewed by at least two independent reviewers. The review process is single-blind. Reviewers are not identified to the authors. Authors are identified to the reviewers.

The following paper categories are accepted for review:

- Research Paper – A paper making an original contribution to engineering education knowledge
- Special Interest Paper / Project Report – Report on significant aspects of a major or notable research project
- Review Paper – An analysis of a relevant field of literature, making an original contribution to knowledge.

Special Focus Overview

The Editors solicit original manuscripts for a special issue exploring ethics in engineering education and practice.

In recent years, the discourse on ethics in engineering has expanded beyond issues of codes, compliance with regulations and ethical dilemmas in the workplace: the ethics discussion encompasses discipline-specific models of ethics and the application of different philosophical traditions in how engineering as a professional field may see the broader and interwoven context of engineers' intentions, actions, and intended and unintended consequences. New paradigms of ethics necessitate new empirical educational research – basic and applied, ranging from research on dispositions, decision processes and systems considerations to understanding engineering ethics in the workplace as well as the design and evaluation of new pedagogical and curricular initiatives.

Topics

The guest editors envision a range of empirical studies and explorations involving, but not limited to, topics such as:

- Pedagogical approaches / Curriculum design to teach ethics
- Development and validation of assessment instruments focused on ethics
- Ethics of the curriculum
- Competencies and attributes for ethical practice
- Moral development of engineering students, faculty and practitioners
- Ethics frameworks for engineering education and practice
- Humanitarian engineering, peace engineering, engineering for social justice
- Ethical challenges in engineering practice
- Cross-cultural perspectives on engineering ethics
- Intersections of ethics and sustainability

Submission Criteria

Full-length papers requested

Initial submissions are expected to be in the form of full-length manuscripts. However, authors are invited to submit ideas, topics, and extended abstracts to one of the Editors of the issue (shannonchance7@gmail.com or strobelj@missouri.edu) for feedback before preparing full manuscripts.

Structure

Your paper should be compiled in the following order: title page; abstract; keywords; main text introduction, materials and methods, results, discussion; acknowledgments; declaration of interest statement; references; appendices (as appropriate); table(s) with caption(s) (on individual pages); figures; figure captions (as a list).

Word Limits

Please include a word count for your paper. A typical paper for this journal should be no more than 6000 words, inclusive of tables, references, figure captions, footnotes, endnotes. Although submitted papers do not normally exceed 6,000 words, acceptable contributions range from 5,000 to 7,000 words including the abstract and references.

Format-Free Submission

Authors may submit their paper in any scholarly format or layout.

Submitting

Please see the Instructions for Authors at the publisher's website which lists more specifically what to include and how to access the submission portal:

<https://www.tandfonline.com/action/authorSubmission?journalCode=teen20&page=instructions>

For identification purposes the authors' cover letter is expected to include the statement: "This is a submission to the Special Issue on Ethics." Without this information, the manuscript may not be assigned for review for the special issue. When you're ready to submit, click the green "Submit an Article" button at

<https://www.tandfonline.com/toc/teen20/current>

Selection criteria

The following selection criteria apply:

- Manuscripts should clearly identify the topic, research methodology, findings, who the finding will be of use to and how.
- Well-designed empirical research studies are solicited. Authors must support their claims with compelling evidence and provide explicit, transparent descriptions of the processes through which the evidence has been collected, analyzed, and interpreted. In addition, special interest papers and review papers will be considered.

Timeline

- **November 2019: Call issued.** Formal publication of the call for papers for this Special Focus Issue. As noted above, authors are encouraged to contact the Editors to receive preliminary feedback, or with questions related to the topic of study.
- **1 March 2020: Manuscripts due.** Manuscripts due using the submit button at: <https://www.tandfonline.com/toc/teen20/current>. Please select article type "**REES Special Issue on Ethics**". Promising manuscripts that adhere to the theme will be sent to peer reviewers for assessment and feedback.
- **1 May 2020: Initial decisions returned.** Authors will be provided with an initial decision (accept, minor revision, major revision, or reject) and review comments. However, initial acceptance does not ensure publication of any given manuscript, since publication decisions will be made in light of fit and quality of the final manuscript.
- **1 September 2020: Revisions due.** Revised manuscripts are due and must be submitted using the submit button at: <https://www.tandfonline.com/toc/teen20/current>.
- **1 November 2020: Feedback on revisions returned.** Authors will be provided with a final set of peer reviews and request for any final revisions needed.
- **10 January 2021:** All final manuscripts are due for final editorial decision and typesetting and author proof checks. Each manuscript will be published online once this stage is complete.

May 2021: Anticipated publication of the hardcopy issue.