

INNOVATION & DIVERSITY IN ENGINEERING EDUCATION

JUNE 4-7, 2017



The 2017 Canadian Engineering Education Association's Annual Conference will be held at the University of Toronto, in Toronto, Ontario, from June 4th-7th, 2017, with the theme of Innovation and Diversity in Engineering Education. Innovation in Engineering Education can take on multiple forms, including multidisciplinary perspectives, new technologies, and new ways to form, deliver, and assess experiences to help meet desired learning outcomes. We pair innovation with diversity as Engineering Education seeks new techniques to engage and educate an increasingly diverse population of engineering students, taking into account differences in gender, ethnicity, language, educational experiences, sexual orientation, and learning styles.

Call for Papers: We invite papers written in English or French on all areas of engineering education. Attendees will have an opportunity to showcase, learn about, and discuss engineering education through a variety of session types. Participants will be asked to identify their proposal with a stream and preferred presentation modes.

The two streams will be:

- **Research** (reports on investigations into teaching, learning, assessment, and accreditation in engineering education)
- **Practice** (accounts of teaching, learning, assessment, and accreditation techniques in action)

Sessions will be 80-90 minutes in length, with three different formats:

- **Technical Sessions:** 4 related talks (12m max. w/ 6m Q&A)
- **Lightning Talk Sessions:** 6 brief presentations, with a focus on either an engineering education challenge OR methods OR results, and is suited to studies in progress or seeking feedback on educational practices, with an emphasis on feedback/discussion (6m max. w/ 6 m Q&A)
- **Poster Sessions:** 5 posters per room, in structured, themed sessions, designed to facilitate dialogue between poster presenters and audience members (10m unstructured time to explore room, 5x10m individual poster conversations)

Presenters will be sorted into technical, lightning talk, and poster session formats based on ranked preference, availability, and session themes.

Authors are invited to submit a **one-page extended abstract** (approx. 500 words) via [EasyChair](#) by **January 6th, 2017**, alongside a declaration of (A) appropriate stream and (B) ranking of preferred presentation modes. Successful authors will then be invited to submit full papers of 2-8 pages.

Other Opportunities: In addition to the regular papers described above, there are three other special opportunities.

A. Workshops: Proposals for active workshops, addressing relevant practices, issues or technologies related to classroom practice or Engineering Education Research, are also invited. While the majority of workshops will take place on Sunday, June 4th, 2017, some may be spread throughout the conference. Please consider proposing a workshop, particularly if you have experience/expertise in the following:

- Engineering Education Methods
- Engineering Education Research (EER) Methods
- Engineering Design and Communication
- Engineering Leadership/Innovation Education
- Managing CEAB Graduate Attributes
- Supporting Diversity in Engineering/STEM

To propose a workshop, please complete [this online form](#) by **January 6th, 2017**.

B. Canadian Journal of Science, Mathematics and Technology Education: A special issue of the Canadian Journal of Science, Mathematics and Technology Education (CJMTE) is planned in partnership with Canadian Society for Studies in Education/Science Education Research Group, with a theme of "Innovation and Diversity in Engineering Education." Papers from the research stream, with particularly strong relevance to the conference theme, a strong theoretical foundation, and a rigorous research approach will be considered. Authors interested in submitting a manuscript should contact [CEEA 2017 organizers](#) for more information by **November 30th, 2016**.

C. Special Symposia: This year's conference will include two special symposia, consisting of one or more sessions dedicated to specific topics relevant to the conference theme.

1. Innovation and Engineering Leadership, [Marnie Jamieson](#)
 2. Supporting Diverse Participation in STEM, [Chirag Variawa](#)
- Please contact the symposium organiser by **November 30th, 2016** if you have a presentation or workshop that could be included in one of these symposia.

Important Dates:

Expression of interest in (a) submitting a CJSMTTE paper or (b) symposium participation: **November 30, 2016**
Extended abstracts for all types of presentations, workshop proposals due: **January 6, 2017**
Notification of acceptance: **February 17, 2017**
Registration opens: **April 1, 2017**
Final papers submitted: **April 17, 2017**

If you have any questions about the session formats, submissions, or the program, or have creative ideas about an alternative session format, please send them to ceea2017@utoronto.ca