

CEEA-ACÉG CONFERENCE 2023

The 2023 Annual Conference of the Canadian Engineering Education Association - Association canadienne de l'éducation en génie (CEEA-ACÉG) will be jointly hosted by Okanagan College and the University of British Columbia Okanagan in the city of Kelowna located in the beautiful Okanagan valley **June 18-21, 2023**. Okanagan College and the University of British Columbia Okanagan acknowledge that the conference will be organized and held on the ancestral, traditional, and unceded territory of the Syilx Okanagan Nation. We recognize, honour, and respect Indigenous peoples in the region, past, present, and future.

The theme of the conference is **“Engagement and Impact.”** Social Engagement and Experiential Learning are understood to be key factors in successful Engineering Education. **“Engagement”** refers to the ways in which engineering education practices engage students with the learning experience both within the classroom and outside of it. **“Impact”** refers to the impact that engineering education practices have on students and the impact students have on their surroundings through their learning activities.

Call for Abstracts

We invite papers written in English or French in all areas of engineering education, especially on the conference theme. Topics include but are not limited to:

- **Leadership** – Impact of various learning practices and opportunities on students’ development as engineering leaders in their communities, within academia and beyond.
- **Sustainability and Design** – Effect of sustainability in improving teaching practices and its usage to engage students with current societal calls for sustainable design. Design as the method of identification and solving engineering problems is considered the central function of engineering practice that needs to be explored in the context of today’s engineering design courses.
- **Entrepreneurship** – Influence of incorporation of entrepreneurship education into engineering courses and programs that support students in their entrepreneurial ambitions and efforts.
- **Equity, Diversity and Inclusion** – Importance of equity, diversity and inclusion in informing the teaching practices of engineering, and the impact their implementations have on students. Beyond the classroom, the impact of cultural practices of engineering education on students, including efforts for retooling and decolonializing the Iron Ring Ceremony.

Submitted papers need to be aligned with one of the following streams:

- **Engineering Education Practice (“Practice”)**: includes accounts and reflections of the practitioner's own innovations, experiences, and evidence-based interventions in their engineering education context. The goal is to share the practitioner's experiences.
- **Engineering Education Research (“Research”)**: includes reports of scholarly investigations, critiques, meta-analyses, literature reviews, and empirical development of methods, tools, and frameworks. The goal is to generate transferable or generalizable knowledge which can be applied to other contexts.

All full-length papers will undergo a full peer review process to be accepted for the conference.

Session Types

Sessions typically run for about 90 minutes and will include the following presentation modes:

- **Podium Talks (10 minutes presentation + 10 minutes Q&A)** – Aim to briefly explain the author's work through presentation slides with questions from the audience. Accepted Podium Talks will be required to submit a full-length paper.
- **Lightning Talks (5 minutes presentation + 5 minutes Q&A)** – A rapid version of a podium talk that focuses more on the idea and the results and is well suited for works-in-progress and early research findings. Authors who deliver their work in a lightning talk presentation have the option of submitting a full paper if they wish their work to be published in the CEEA-ACÉG proceedings.
- **Poster Presentation** – These presentations are useful for active and longer interaction between presenters and the audience. Posters are to be concise with emphasis on a graphical representation of ideas and results. Authors who deliver their work in a poster presentation have the option of submitting a full paper if they wish their work to be published in the CEEA-ACÉG proceedings.
- **Panel Discussion** – These sessions facilitate active conversation between presenters and audiences from diverse backgrounds. During abstract submission, authors will have to identify and propose at least three other panelists and a moderator. The abstract should, in addition, focus on the plan for moderating audience interaction. Each panelist will have opening and closing remarks, between which longer discussions within the panel and with the audience take place. Authors are encouraged to select discussion topics that are closely relevant to the conference theme and streams. We also encourage submissions from the CEEA-ACÉG Special Interest Groups.
- **Collaboratorium (Unconference)** – These sessions consist of a group of presenters seated in a roundtable, who will then present a discussion topic followed by a group discussion over that topic. Notes will be taken and participants move to another roundtable of their choice. Typically, there would be 3-5 roundtable sessions happening in parallel in the same room. These sessions help brainstorm about persisting educational challenges and enable the free flow of thoughts from participants with diverse backgrounds. In their submission, authors are asked to explain how many discussion topics will be included in the session and how long each topic discussion will take. Authors are encouraged to select discussion topics that are closely relevant to the conference theme and streams. We also encourage submissions from the CEEA-ACÉG Special Interest Groups.

Abstract Requirements

New this year, authors are invited to submit a **short anonymized structured abstract** (500 words) via **Oxford Abstracts** by November 28, 2022, Monday, along with the appropriate stream and a ranked list of preferred presentation modes. Authors are to refer to the Author Guidelines for CEEA-ACÉG Structured Abstracts in preparing their submission. After review, details specific to the presentation mode will be communicated to the authors. We invite submissions in English or French. Authors who would like to suggest presentation modes other than those listed above are invited to contact the conference Organizing Committee by email (kelowna2023@ceea-aceg.ca).

For *practice papers* the structured abstract should follow these labeled sections:

Background – Briefly describe the context and motivation for the work.

Purpose – Summarize the purpose (aim) of the project/intervention/practice.

Approach – Provide an overview of the project/intervention/practice.

Outcomes – Discuss the (anticipated) impact of the project/intervention/practice.

Conclusions – Reflect on the (anticipated) learnings of the project/intervention/practice.

For *research or review papers* the structured abstract should follow these labeled sections:

Background – Describe the motivation for the study and research gap and/or contribution to the literature/field.

Purpose/Hypothesis(es) – Summarize the research question(s) or hypothesis.

Design/Method/Methodology – For research papers, provide an overview of the research design, including conceptual/theoretical framework, and data collection and analysis methods. For review papers, describe the methods used to identify and synthesize primary studies, and relevant details of inclusion criteria.

Results/Findings -- Summarize the (anticipated) quantitative or qualitative findings.

Conclusions – Discuss the key implications of the (anticipated) findings.

Does your study require ethics approval? When you submit your structured abstract, please note there will be a question on whether your practice/research project requires ethics approval.

The author must label each part of the structured abstract with the appropriate subheading. Abstracts are limited to 500 words (excluding the subheadings). This limit results in approximately two to five sentences per subheading. The parts do not need to be of equal length. A matter-of-fact, statement-oriented writing style is better suited for structured abstracts than an expository, conversational writing style (which is the more typical manner of expression of one-paragraph, unstructured abstracts).

Submissions and review are done through a double anonymous process. No author or affiliation information is to be included within the structured abstract.

Keywords

The structured abstract should be followed by three to five keywords. Authors may choose their own keywords and are encouraged to select keywords from the [Engineering Education Research Taxonomy](#) (Regents of the University of Michigan, 2013) whenever appropriate.

Review Criteria for abstract

Abstracts will be reviewed for fit with the conference, appropriate level and full completion with relevant information.

Workshop Proposals

The CEEA-ACÉG 2023 organizing committee invites proposals for workshops addressing relevant practices, issues, or technologies related to teaching/learning practices and engineering education research. Workshops will be delivered **on June 18th, 2023**. Workshop spaces are limited, and we cannot guarantee acceptance of all submissions. Hence, while proposing a workshop, presenters are encouraged to consider alignment with the conference theme, streams, or CEEA-ACÉG Special Interest Group topics.

Workshops typically last for a maximum of 90 minutes and should emphasize active participant engagement. To propose a workshop, please send an email to the conference Organizing Committee (kelowna2023@ceea-aceg.ca) with the following information: workshop facilitators (name, institution, email), specific learning objectives, an overview of participatory learning activities, and a 500-word description that forms part of the official conference materials. Workshop proposals are due by February 9, 2023.

Important Dates

- Abstracts due: Monday, ~~November 28~~ **December 5**, 2022
- Notification of acceptance of abstract: Monday, January 9, 2023
- Workshop Proposals due: Monday, February 9, 2023
- Notification of acceptance of workshop: Monday, February 27, 2023.
- Deadline for full paper for peer review: Monday, March 6, 2023
- Feedback from reviewers: Monday, April 3, 2023
- Final papers with revisions due: Monday, May 1, 2023
- CEEA-ACÉG Annual Conference + workshops: June 18-21, 2023

All deadlines are at 11:59pm Pacific Time (PT). Papers identified as requiring major revisions will undergo a second review and revision phase between May 1 and May 29.

Feel free to reach out to the Organizing Committee (kelowna2023@ceea-aceg.ca) for any queries about submissions or session modes, or to make suggestions. More information regarding the speakers, registration, and schedule will be published soon. Visit the website (<https://ceea.ca/conference/conference-2023/>) for the most up-to-date information relating to abstract submission, registration, deadlines, speaker information, and schedules.