

2025 CEEA-ACÉG Institute for Engineering Teaching (IET) Focused Topics Workshops

Saturday, June 21, as part of the CEEA-ACÉG Conference

The CEEA-ACÉG Institute for Engineering Teaching (IET) is pleased to announce the introduction of two new focused topics workshops on the theme of assessment. The two workshops are designed that they can be taken in sequence, but attendees can choose to take only the morning or afternoon workshop if they prefer. Everyone is welcome, but the focused topics workshops are intended for those with classroom teaching experience and wishing to enhance the design and delivery of their courses. The IET workshops are an excellent opportunity for professional development and networking with other engineering educators. The workshops are offered in person on Saturday, June 21 in conjunction with the CEEA-ACÉG Annual Conference in Montreal, Quebec. The details of this year's two focused topics workshops on assessment are provided below.

- **Morning Workshop (9 AM – 12): Effective Assessment in Engineering Courses.**

This interactive workshop focuses on integrating thoughtful assessment in engineering courses of all types and sizes. With a recognition that we are often pushed to do more with fewer resources, the workshop provides high-level strategies, helpful techniques, and specific tools to improve the efficiency and effectiveness of assessments. The workshop is participatory with many hands-on activities and engineering examples used to model the principles presented. By the end, attendees should be able to select, develop, and deploy assessments that are effective in gauging student learning, practical to administer, resistant to potential misconduct (including through Generative AI), engaging, and fair for all types of students. Attendees are expected to have at least some classroom teaching experience and familiarity with common pedagogical frameworks (e.g., Bloom's taxonomy and constructive alignment). (Facilitators: TBD)

- **Afternoon Workshop (1 – 4 PM): Advanced Topics in Assessment.**

This participatory workshop builds from the morning workshop and delves deeper into assessment, exploring a number of specialized techniques relevant to engineering. The workshop will introduce and demonstrate a number of different techniques, then attendees will select one (or more) of the techniques and prototype an assessment for their own course. Through this process facilitators will be available to answer questions and provide feedback, and there will also be opportunities to share, get feedback, and potentially collaborate with other attendees. The specific techniques featured in the workshop include leveraging (or limiting) the use of Generative AI on assessments; developing easy-to-grade and auto-graded exams (without special tools or software); deploying competency-based assessment within a course or program; employing open pedagogical approaches, where students co-create course and assessment materials; and harnessing peer assessments where students are the assessors (but also learners in the process). *Note: This workshop is intended to continue from the morning workshop, although attendees with a strong foundation in assessment principles can join this workshop without having taken the morning workshop.* (Facilitators: TBD)