

Institute Workshops times and descriptions

Are you interested in furthering your skills in engineering teaching or engineering education research? The CEEA-ACEG Institutes run as intensive, interactive workshops led by colleagues from across the country to help you build your confidence - and your network!

Each workshop will take place online over two days adjacent to the annual CEEA-ACEG conference: Friday, June 18 12:00-4:30PM EST + Friday, June 25, 12:00-4:30PM EDT. Register for an institute at the same time as registering for the conference: <https://ceea.wildapricot.org/event-4232511/Registration>. Institute cost is \$100 for CEEA-ACEG members or \$40 for students (the Teaching institute spans both days, but attendees of the Research institute can sign up for one or both days).

Institute for Engineering Education Research (IEER):

This two-day webinar series gives participants a high level overview of the knowledge required to design and facilitate research studies in engineering education. Participants have the option to participate in one or both workshop days.

The first day will offer a history of the field of engineering education research, an overview of the steps in designing engineering education research studies, and a guide to defining research questions. You'll delve into the role of knowledge traditions in the research process, and consider how to create a research project that's well aligned between research questions, philosophy, frameworks, methodology & methods.

The second day will offer a high-level overview of methodologies used in Engineering Education Research. The webinar will introduce terminologies and mindsets, building participants' researcher toolbox. We will provide a high level overview of methodology, and introduce a few research approaches (qualitative, quantitative, mixed methods, design-based research).

The workshop design is based on Direct Instruction, where guided mini-lectures are interspersed with active-learning (breakout groups/discussions) There will be time for Q&A at the end of each day.

Session facilitators:

Marnie Jamieson, University of Alberta

Susan McCahan, University of Toronto

Lisa Romkey, University of Toronto

Jillian Seniuk Cicek, University of Manitoba

Taking place over two days: Friday, June 18 12:00-4:30PM EST + Friday, June 25, 11:00-3:30PM CDT

Cost: Student Members: \$40; Professional Members: \$100; Non-Member fee: \$200

Institute for Engineering Teaching (IET):

Whether you are a new faculty member or in the middle of your teaching career, this two-day workshop series will provide perspective, tools, tips, and tricks to help get the most out of your teaching. The IET is highly interactive, with an emphasis on effective, evidence-based methods and best practices in engineering education. We also walk the walk – we deliver the IET using the same techniques we promote, so participants will see them in action from the perspective of a learner. This institute will

explore multiple aspects of course design and delivery through the lens of constructive alignment. Participants will consider high-level course design, meaningful learning outcomes, engaging learning activities, and effective assessments. Developed and delivered by a team of award-winning engineering educators, the IET includes plenty of opportunities for input and advice on any course design and delivery questions, and networking with other engineering educators from across the country.

Taking place over two sessions/days: June 18 from 11:30-3:30 CDT & June 25 from 11:00-3:30 CDT
Cost: Student Members: \$40; Professional Members: \$100; Non-Member fee: \$200