

2018 - 2019 Annual Highlights



Since 2004, the Center for Research on Learning and Teaching in Engineering has promoted evidence-based practices in engineering that enable students and instructors from diverse backgrounds and social identities to learn and thrive. In 2019, our staff was honored to receive the college's staff team excellence award in recognition of the ways we partner with the community to cultivate inclusive and innovative teaching and learning environments.

By the Numbers



2,537

Total participants
(1,318 unique individuals)



1,876

Event attendees



352

One-on-one services

Programs & Services

1,095

Unique participants including faculty, graduate student instructors (GSIs), undergraduate instructional aides (IAs), and postdocs who attended the 47 CRLT-Engin events this year.

- Attendees Across Our Events -

Teaching Orientations

491

Seminar Series

475

Custom Workshops
for Departments

370

- Participants in Our Services -

Individual
Consultations

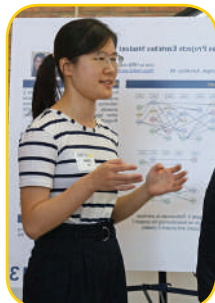
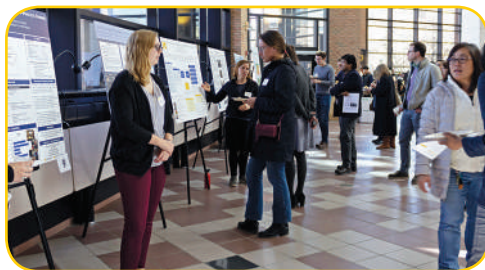
145

Midterm Student
Feedback (MSF)

125

Seminar Series

In addition to the 15 teaching workshops within the seminar series, CRLT-Engin also held a Teaching Innovation Poster Fair (pictured below) with over 20 posters on topics such as virtual reality teaching tools and collaborative course design.



"I work to improve my teaching every semester, even just a little bit, and the MSF is one of the main ways that I get targeted feedback from students helping me to understand what I can do better."

-- Associate Professor, ECE --

Staff Team Excellence Award

This year, CRLT-Engin (pictured below) was one of two teams selected for the CoE Staff Team Excellence Award based on their exemplary work or special achievements.



CRLT-Engin Awarded Team: Tershia Pinder-Grover; Gina Michael; Carol Lagemann; Grenmarie Agresar; Audra Baleisis.

Diversity, Equity, & Inclusion

572 New instructors (17 faculty, 285 GSIs, & 271 IAs) participated in a workshop on inclusive teaching.

- Customized CoE Dept. Workshops Focused on DEI -



116 participants in workshops on:

- Inclusive Course Design
- Classroom Climate
- Stereotype Threat
- Growth Mindset

- Customized DEI Workshops Beyond CoE -



194 participants in 2-Part ASEE webinar on:

- Classroom Climate
- Inclusive Teaching



New Instructor Orientations

CRLT-Engin led and supported orientations that trained 93% of new GSIs, 92% of new IAs, and 94% of new faculty this year.

- Attendees Across Our Orientations -

GSIs **276**

IAs **254**

Faculty* **17**

*Count only includes Fall 2018

“ This orientation has taught me skills that I would not have been able to learn otherwise. I think this gave me a good first step in the right direction of being a more successful teacher. ”

-- Anonymous GSI or IA --

New Faculty Foundations Program

Sponsored by the Office of the Associate Dean for Academic Affairs, this program builds community among new faculty and provides resources for success.

Monthly networking lunch topics included:

- Mentoring graduate students
- Preparing the first grant
- Teaching with technology
- Supporting students in distress
- Preparing for the third year review



Towner Prize



Mary McMeekin
ME 250



Phillip Yang
BME 241 & 458



Nel Escher
EECS 183



Tony Shin
NERS 535

In the most competitive year to date, all departments in the College of Engineering collectively nominated 99 GSIs for the Richard and Eleanor Towner Prize for Outstanding Engineering GSIs. Pictured left are the 2019 winners recognized for their creativity or innovation, excellence in teaching, and dedication to student success. The 10 GSIs listed below received honorable mentions.



Honorable Mentions:

- Navid Barani Lonbani (ECE)
- Amos Cao (BME)
- Shamsheer Singh Chauhan (AERO)
- Yi-Hsuan Chen (CLASP)
- Houtan Jebelli (CEE)
- Nooshin Mohammadi Estakhri (ECE)
- Ritz S Raju (NERS)
- Dieon Roger (ISD)
- Kai Wu (NAME)
- Nina Zabihi (CEE)

...promoting excellence and innovation in engineering education