

## 2016-2017 Annual Highlights

The Center for Research on Learning and Teaching in Engineering (CRLT-Engin) at the University of Michigan, established in 2004, serves the College of Engineering by promoting excellence and innovation in engineering education. CRLT-Engin offers evidence-based programs and services for the engineering community.

New this year, we incorporated inclusive teaching professional development in all of our new instructor orientations; developed a new workshop on stereotype threat and growth mindset; and in collaboration with the Women in Science and Engineering program, CRLT, and Growing STEM, invited a guest speaker to discuss equity-minded practice.

### Diversity, Equity and Inclusion

**15**

Workshops on classroom climate and inclusion

*Understanding How Stereotype Threat and Growth Mindset Affect Student Learning*

Rated 4.5/5.0

**502**

New instructors who participated in an inclusive teaching session



**Invited Speaker:**  
Lindsey Malcom-Piqueux, Ph.D.  
University of Southern California

### By the Numbers

**2,148**

Total participants across all services and events  
(1,145 unique individuals)

**53,678**

Website visits

**273**

One-on-one services

**1,932**

Event attendees



...promoting excellence and innovation in engineering education

## Teaching & Learning Programs

**19**

Workshops open to all in the College of Engineering

**10**

Specially designed workshops tailored to departmental needs

**5**

Teaching orientations

**9**

New faculty programs

**Invited Speaker:**

Jean-Luc Doumont, Ph.D.  
*Principae*

## New Instructor Orientations

32 Faculty

176 Graduate Student Instructors

196 Instructional Aides

Across 14 total programs for new instructors

## One-on-One Services

21 External

27 Staff

49 GSIs/IAs

83 Faculty

70 GSIs/IAs

23 Faculty

Midterm Student Feedbacks

Consultations

**2,683**

Students

→

providing feedback to

**93**

Instructors

“As faculty, we do not necessarily see what students see. This service helps to inform us of what we are missing in our lectures, and more generally, how we can better communicate with our students.”

*Assistant Professor*  
Materials Science & Engineering

## Towner Prize

2017 Winners of the Richard & Eleanor Towner Prize for Outstanding Engineering GSIs



Amrita Chaudhury  
BME 451 & 452



Patrick Pannuto  
EECS 398



Nathan Sawicki  
EECS 216 & 351



Emily Speakman  
IOE 202