



Pre-College Engineering Education

A division of the American Society for Engineering Education

Pre-College Engineering Education:

Engineering education that occurs prior to typical college or university age (i.e., for preschool through high school learners) in either formal or informal learning environments.

Conference highlights:

- 2017 Saturday Workshop on PreK-12 Engineering Education:
 - 28 regular and 4 sponsored sessions
 - 25 Curriculum Showcase presenters
- Commit to P12 Effort:
 - Taste of Columbus & Flavors of P12 (Sat)
 - Exposition Hall Main Booth! (Sun – Tue)
- PCEE at the 2017 ASEE Annual Conference & Exposition:
 - Submissions: 155 abstracts and 106 finalized papers
 - Paper Categories (each with refined rubrics): Research to Practice, Fundamental, Evaluation, Work in Progress and Resource Exchange
 - 17 technical sessions for 74 orally presented papers
 - 6 Resource and Curriculum Exchange presentations
 - 26 posters
 - Events: Mixer (Sun), Business Meeting (Tue), Reception (Tue)
 - PCEE Division Distinguished Lecture (Wed)
 - Co-Sponsored Session: P12 Education: Learning through Guided Discovery Panel Session (Mon); Round Table Conversation on Diversity & Inclusivity (Wed)
 - A new Wednesday Annual Workshop: Learn How to Get your P12 Outreach to Take Flight: From Design, to Build, to Assessment All in One Afternoon

Vision -

Every child engages in high-quality pre-college engineering education facilitated by effective educators.

2017-2018 Contacts

Chair Martha Cyr
martha.cyr@gmail.com

Chair-Elect Bradley Bowen
bowenb@vt.edu

Past Chair Pamela Lottero-Perdue
plottero@towson.edu

Website precollege.asee.org

Check out the events tab
on our website



Division Mission:

To grow and sustain a community whose members collectively build expertise and capacity in pre-college engineering education knowledge and practice.

Accomplishments in 2016-2017

- Bylaws approved February 2017 with:
 - Vision, Mission & Core Beliefs
 - Awards Committee Structure, Descriptions and Process
- Five new financial incentives (* = travel reimbursement):
 - For 8 educators to attend PreK-12 workshop*
 - For 3 non-PCEE members to attend Wednesday Workshop*
 - For 6-8 teachers to present at NSTA Regional ASEE sessions*
 - For the Inclusive Engineering Media Challenge winner*
 - PCEE Dropbox Business Account for Executive Committee.
- Conference Best Papers in JPEER
- PreK-12 Workshop Submission in Monolith

Congratulations, Awardees!

PCEE Division Awards

- **Leigh Abts**, Lifetime Achievement
- **Martha Cyr**, Lifetime Achievement
- **Susan Walden**, Meritorious Service
- **Malinda Zarske**, Meritorious Service
- **Elena Nicolescu Veety, Jesse Sur, & Hannah Kimrey Elliott**, Best Paper

ASEE Awards

- **Beth Holloway**, ASEE Fellow
- **Susan Walden**, ASEE Fellow

Looking ahead to 2017-2018

- New committees: Social Media, Supportive Spending
- Salt Lake City, UT:
 - Sat, June 23, 2018: PreK-12 Teacher Workshop
 - Sun, June 24 - 27, 2018: ASEE Annual Conference
- Nominations for elected positions: February, 2018



Core Beliefs

- **Being a part of a community** of thought leaders in pre-college engineering education;
- **Research** that continually improves our collective understanding of pre-college engineering teaching and learning;
- **Professional learning experiences** for our members and for educators through conferences and professional workshops;
 - **Educational resources** that support high-quality pre-college engineering education;
- **Diversity** within our membership and the engineering workforce, and among the children who ultimately benefit from the work that we do;
- **Dedicated and responsible service to the division and ASEE's other pre-college engineering education efforts through elected leadership and volunteerism;**
- **The development of leaders and advocates for pre-college engineering education within and beyond the division; and**
 - **Policies and standards within and beyond ASEE that support our mission and vision.**