



# 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.

### VISION -

**EVERY CHILD ENGAGES IN  
HIGH-QUALITY PRE-COLLEGE  
ENGINEERING EDUCATION  
FACILITATED BY EFFECTIVE  
EDUCATORS.**

## Conference highlights:

- A well-attended Saturday K12 Annual Workshop, and five Sunday Workshops.
- 2016 program submissions: 201 abstracts and 119 finalized papers.
- Papers were organized into 5 categories: Research to Practice, Fundamental, Evaluation, Work in Progress and Curriculum/Resource Exchange; rubrics were refined for each category.
- Each paper received 3 independent blind reviews. 478 members reviewed papers, and provided thoughtful feedback. THANK YOU!!
- PCEE at the 2016 ASEE Conference:
  - 20 technical sessions for 91 orally presented papers
  - 12 Resource and Curriculum Exchange presentations
  - 16 Works in Progress posters
  - Events: Mixer (Sun), Reception (Mon), Business Meeting (Tue)
  - Special Sessions: Next Steps in PK-12 Transformation Panel (Tues), Measuring Technology & Engineering Literacy on the Nation's Report Card (Wed), PCEE Division Distinguished Lecture (Wed)
  - Co-Sponsored Sessions: Interdivisional Town Hall (ABET changes) (Mon), K-12 STEM Engineering/Physics Education (Mon), and WIED Technical Session: Pre-College Programs for Women (Wed)

### 2016-2017 Contacts

Chair Pamela Lottero-Perdue  
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Chair-Elect Martha Cyr  
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Past Chair Stacy Klein-Gardner  
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Website [precollege.asee.org](http://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 2015-2016

- K12 Teacher Workshop coordination with Frontiers in Education
- A new Division name
- A new logo
- An updated website (more to come!)
- Vision, Mission & Core Beliefs Development
- Updated Awards Descriptions, Policies and Procedures
- Diversity tips in our newsletters
- NSTA Regional and STEM Forum participation
- New Vision, Mission and Core Beliefs statements



### Congratulations, Awardees!

#### PCEE Division Awards

- **Ken Hunter**, Lifetime Achievement Award
- **Stacy Klein-Gardner**, Meritorious Service Award
- **Bruce Wellman**, Meritorious Service Award
- **Pam Lottero-Perdue & Liz Parry**, Best Paper

#### ASEE Awards

- **Liz Parry** – ASEE Fellow

## Looking ahead to 2016-2017

- New committees: Blog + Webinar, Booth + Toolkit, PCEE Teacher Member
- Commit to P12 activities throughout the year and at the Annual Conference and Expo in Columbus, OH
- Sat, June 24, 2017: P12 Teacher Workshop – Columbus, OH
- Sun, June 25 - 28, 2017: ASEE Annual Conference – Columbus, OH
- Nominations for elected positions: February, 2017



## 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.**