



Pre-College Engineering Education

A division of the American Society for Engineering Education

[About](#) [News](#) [Get Involved](#) [Resources](#) [Grants](#) [Events](#) [Order](#) [Contact](#)

December 2, 2020 Newsletter

Thoughts from the Chair

An arrow can only be shot by pulling it backwards. When life is dragging you back with difficulties, it means it's about to launch you into something great. So just keep aiming.

Bradley Bowen, PCEE Division Chair (bowenb@vt.edu)

ASEE Annual Conference

Draft Paper Submission Deadline – Monday, February 8, 2021

If you had an abstract accepted, please note the due date for the draft paper. Also, to better support our membership during the paper submission process, the division has revised the rubrics to better align with the ASEE organizational best paper rubric. This allows our members to be more competitive and provide a better opportunity to win an organizational best paper award. This only applies to the Evaluation, Fundamental, and RTP categories since these are the only types of papers that are eligible for an organizational best paper award. As we go through the current paper submission process, please align your manuscripts and reviews in these three categories to the new and improved rubrics. They can be found in the call for papers, also linked here: [call for papers](#).

Distinguished Lecturer – Dr. Renetta Garrison Tull

We are collaborating with MIND and WIED to host Dr. Renetta Garrison Tull, Vice Chancellor of Diversity, Equity and Inclusion from the University of California, Davis. She will be presenting a talk titled, “Creating Inclusive and Diverse P12 Learning Environments” on Wednesday, June 30, from 1:45-3:15 pm, Pacific time. Please put this on your calendar and get the word out to show our support. You can read more about Dr. Tull at <https://diversity.ucdavis.edu/renetta-garrison-tull>.

Paper Reviewers

The division is always in need of additional reviewers. If you did not receive an invitation to review and would be willing to participate in the paper process, the current program chairs are Katey Shirey (chair) and Manuel Figueroa (chair-elect). You may reach Katey at katey@edukatey.com with any questions or to volunteer as a reviewer.

2021 PCEE Conference will be Virtual!

The 2021 PCEE conference, will be virtual. This provides an amazing opportunity to reach a broad audience of P-12 educators. Please consider presenting and spread the word to any colleagues that may benefit from attending. More information will be provided as the PCEE Conference Committee works through the details. If you are interested in being part of this planning committee please contact Andrea Burrows at andrea.c.burrows@gmail.com.

How can ASEE better serve the P12 educator community?

ASEE Headquarters has created a P12 educator survey to gain some insight on how they can better serve the P12 educator community and what they can offer that would encourage membership in ASEE. The survey also asks for thoughts on the annual conference. If you could please complete the survey and share this link with any educators you know at any level (teacher, school administrator, district administrator, state, etc.), it would be much appreciated. <https://forms.gle/42yhBCt7CzhpMUT9>

Teachers that complete the survey will be entered into a drawing for one of several free teacher memberships as well as a top prize of a free registration to the annual conference in 2021. If a teacher who has already paid for membership this year wins, the free membership can be used for 2021-2022.

Framework for P-12 Engineering Learning

The *Framework for P-12 Engineering Learning* has been officially released. Jointly developed by the Advancing Excellence in P-12 Engineering Education (AE3) Research Collaborative and the American Society for Engineering Education (ASEE), the Framework for P-12 Engineering Learning is a seminal step towards ensuring that all students have the opportunity to become engineering literate. Attached is the official press release from AE3 and ASEE (an online version can be found [here](#)). To access the full framework document, visit <https://p12framework.asee.org/>.

ASEE will be having a webinar to do an overview of the framework and to also hear from teachers who can speak to how this framework helps them. Please save the date for Wednesday, December 16, 6:30p Eastern time for this session: ASEE P-12 Educator Series: P-12 Framework for Engineering Learning. More details to follow but hold the space on your calendar and share the “Save the Date” with others.

ASEE Presents: Master Class on Effective Teaching

Dates and Times: January 6, 7, and 8, 2021 from 12:00 – 4:00 PM, ET

Fees: \$99 for ASEE Professional Members, \$49 for ASEE P-12 Educator Members

About: Led by Barbara Oakley, co-teacher of Coursera–UC San Diego’s Learning How to Learn, the world’s most popular MOOC, the Master Class on Effective Teaching will provide P-12 and university-level STEM instructors with a common framework, terminology, and practical exercises to develop their STEM teaching on a soundly neuroscientific basis. This Master Class on Effective Teaching brings together vast engineering, P-12 and university teaching, and brain science insights to create a practical guide for instructors of all levels, based on chapter materials from Oakley’s forthcoming book *Uncommon Sense Teaching: Practical Insights in Brain Science to Help Students Learn*.

Learn More Link: https://resources.asee.org/course_catalog/master-class-on-effective-teaching/

Direct Registration Link: <https://www.asee.org/public/conferences/241/registration>


Engineering Challenges for P12 Instructors and Parents


ASEE has established a Facebook page to provide engineering challenges for P12 instructors and parents. Please go to <https://www.facebook.com/groups/687366151802693/> to join and see all the awesome design challenges. If you have a challenge you would like to post on the page, please email


Volunteer Research Opportunity


Jessica Sain, a PhD candidate from Virginia Tech, is looking for elementary teachers available for around 30 minutes to participate in a study on teacher self-efficacy with elementary design-based learning in a virtual environment. The study is looking for what teachers need to feel more supported in delivering STEM virtually, requiring a brief survey and an interview at a time most convenient for you. If you are interested please email her at jsain14@vt.edu.

Tagged on: [news](#) [newsletter](#)

 Bradley Bowen

 December 2, 2020

 News, Newsletters

 No Comments

[← September 24, 2020 Newsletter](#)

[February 2, 2021 Newsletter →](#)

Leave a Reply

You must be [logged in](#) to post a comment.

Quick Links

- [Annual Reports](#)
- [Diversity Tips](#)
- [Minutes](#)
- [Newsletters](#)

Web Menu

- [About](#)
- [People](#)
- [Awards](#)
- [Events](#)
- [Resources](#)
- [Contact](#)
- [Home](#)

Search



Copyright © 2021 ASEE Precollege Engineering Education

[About](#)

[People](#)

[Awards](#)

[Events](#)

[Resources](#)

[Contact](#)

[Home](#)
