

**From:** Andrea Burrows andrea.burrows@uwoyo.edu  
**Subject:** [k12\_div] ASEE PCEE Chair Updates - January 2022  
**Date:** February 8, 2022 at 10:54 PM  
**To:** k12\_div@asee.org  
**Cc:** Bradley Bowen bowenb@vt.edu, Portsmore, Merredith D Merredith.Portsmore@tufts.edu

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Hello PCEE members,

Here are a few quick updates for you from the PCEE Division.  
These are for January, but they are coming just a little late, so check the deadlines.  
Thank you to all of you for your continued PCEE support!

**1. Next PCEE Meeting is Feb. 16th:**

Our meetings and meeting notes are open to our PCEE members.

Please fill out this google survey if you want access to either:

<https://forms.gle/VYJRVm6gEPitdF6s9>

*Next PCEE meetings:*

February - Wednesday, 16th - @ 1 pm MT/ 3 pm ET

March - Monday, 14th - @ 2 pm MT/ 4 pm ET

April - Tuesday, 12th - @ 10 am MT/ Noon ET

May - Friday, 13th - @ 1 pm MT/ 3 pm ET

June - Thursday, 16th - @ Noon MT/ 2 pm ET

*...ASEE Conference June 26-29, 2022 - Minneapolis, Minnesota*

**2. Next Conference deadline Feb. 12th**

The 2022 PCEE Call for Papers can be found [here](#). If you have any questions, please contact the program chair, Dr Manuel Alejandro Figueroa ([manuel.figueroa@tcnj.edu](mailto:manuel.figueroa@tcnj.edu)).

**3. Award Nominations due Feb. 15th!**

The nominations period for awards to be presented at the 2022 ASEE Annual Conference & Exposition (June 26-29) in Minneapolis, Minnesota is open now through February 15, 2022.

Please consider nominating a fellow ERM member who you think deserves recognition, or consider nominating yourself! It is important to nominate (or self-nominate) for ASEE Organization and PCEE Division awards.

\*\*See specifics attached to the end of this email.

The ASEE awards nomination form can be accessed by

- o Going to <https://asee.org/awards>
  - o Selecting the award
  - o Clicking on the "Nomination" tab
  - o Clicking on the link to the form
  - o You will be sent to the awards platform Slayte
  - o You will need to log in (or create a new login)

**Know Someone Deserving of a PCEE Division Award?**

Do you know someone worthy of being recognized by the PCEE division for their work? Division Awards are meant to highlight excellence service and scholarly contributions within the division. One or more of the following awards will be presented each year at the Division's annual business meeting:

- **Meritorious Service** – This award is given to a PCEE Division member who has provided exemplary service in alignment with the PCEE Division Vision, Mission, and Core Beliefs and in support of pre-college engineering education efforts within ASEE. Such service goes above and beyond baseline expectations for service within elected or appointed positions.
  
- **Lifetime Achievement** – This award is given to a PCEE Division member who has provided a high standard of service in alignment with the PCEE Division Vision, Mission, and Core Beliefs and in support of pre-college engineering education efforts within ASEE, and who has made significant and sustained contributions (10 years or more) to the field of pre-college engineering education.

To nominate yourself or someone else, please do so by **February 15<sup>th</sup>**. The form listed below can be used to provide your recommendation for the nominee. Self-nominations are allowed so do not forget to → **Apply here** [PCEE Division Awards Nomination Form](#).

**4. P-12 Commission Updates** (this is different from the PCEE Division)

Congratulations are in order for the ASEE Commission on P-12 Engineering Education! The Commission recently had its inaugural bylaws approved by ASEE Headquarters. You can read them [here](#). Several Commission sub-committee positions are available, so please contact Mindy Zarske ([malinda.zarske@Colorado.edu](mailto:malinda.zarske@Colorado.edu)) if you're interested in getting involved. Congratulations!

Please join the Commission on P-12 Engineering Education in celebrating the ASEE [Engineering Teacher Professional Development Endorsement \(EDPTE\)](#) of [engineering for us all \(e4usa\)](#)'s professional learning program! e4usa engages new and experienced teachers in high-quality, ongoing professional learning opportunities when they participate in e4usa. Congratulations, e4usa! Submit your teacher professional development opportunity for certification [here](#).

Reminder: the ASEE [Commission on P-12 Engineering Education](#) is separate from the PCEE Division. The Commission works across all ASEE Divisions to further ASEE's goals for P-12 engineering education. Members of any Division may participate on the Commission.

**5. ASEE Industry 4.0 Workforce Summit**

The **ASEE Industry 4.0 Workforce Summit**, an in-person event at the Omni Shoreham Hotel in Washington DC, April 25-26, 2022, is fast approaching! Register now!

<https://workforcesummit.asee.org/>

The Summit will convene key stakeholders from industry, education, and public policy to forge a new vision, action plans, and partnerships to accelerate innovation in engineering education and workforce training for Industry 4.0.

Keynote speakers at this event will include:

Dr. Victor McCrary, Vice Chair of the National Science Board

Dr. Darryll Pines, President of the University of Maryland

Barbara Humpton, CEO of Siemens USA, and

Dr. Gregory Washington, President of George Mason University

Panel sessions will feature senior leaders from industry (GM, Microsoft, NI, Autodesk, Siemens USA), accrediting bodies (ABET, National Coalition of Certification Centers), federal agencies (NSF, DOD) and public-private partnerships (Greater Washington Alliance, CESMII/The Smart Manufacturing Institute).

April 2022 is just the beginning! The ASEE Industry 4.0 Workforce Summit is building the coalitions and alliances that will drive the systematic change needed to transform the preparation of engineers and skilled technical workers.

Come be a part of it!

Sincerely,

Norman Fortenberry, Executive Director, ASEE

Dan Sayre, New World Associates, ASEE Industry 4.0 Workforce Summit Co-Chair

Dora Smith, Siemens, ASEE Industry 4.0 Workforce Summit Co-Chair

**6. Elementary Teacher Research Opportunity:**

Do you know any exceptional elementary teachers that teach engineering? Are you one of them? I am looking for teachers who may be interested in participating in my dissertation research on elementary engineering teachers' identity. My name is Meg West, and I am a PhD student in the Department of Engineering Education at The Ohio State University. I am searching for participants who are elementary teachers who integrate engineering into their classrooms and stand out from their peers.

I would love to hear your story! If you are willing to participate, please complete the

I would love to hear your story! If you are willing to participate, please complete the consent form and survey at the following link. Participants will be entered in a drawing for one of two \$100 gift cards. If you have any questions, please contact me at [west.753@osu.edu](mailto:west.753@osu.edu) or my advisor, Dr. Rachel Kajfez, at [kajfez.2@osu.edu](mailto:kajfez.2@osu.edu).  
[Go.osu.edu/engineeringteacher](http://Go.osu.edu/engineeringteacher)

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#### **\*\* Additional Information \*\* Awards info for 2022:**

One of the Division's strategic goals is to have a greater number of members who are nominated and potentially win ASEE awards. ASEE recognizes the outstanding accomplishments of engineering educators with several **national-level awards** each year. The nominations period for awards to be presented at the 2022 ASEE Annual Conference & Exposition (June 26-29) in Minneapolis, Minnesota is **now open through February 15, 2022**. Please consider nominating a fellow ERM member who you think deserves recognition, or consider nominating yourself!

The ASEE awards nomination form can be accessed by

- o Going to <https://asee.org/awards>
  - o Selecting the award
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Brief synopses of the awards including eligibility are available at the ASEE awards website. A non-exhaustive summary of some awards is provided below. A big thank you to former ERM Directors, Dr. Sam Brunhaver and Dr. James Huff, for compiling this list.

Most awards require a nomination form, which includes a citation statement (100 words or fewer) giving the major accomplishments for which the award is being made; a rationale (700 words or fewer) on why the candidate is being nominated for the award; a CV; up to three PDFs of accomplishments addressing the award criteria as an educator, researcher, and/or administrator; and up to eight brief letters of support from peers or former students.

ERM can assist with coordinating nominations, e.g., putting people who would like to nominate the same individuals in touch, helping recruit potential letter writers, or sharing lists of previous ERM award winners. Please feel free to reach out if you plan to nominate a fellow ERM member or if you plan to self-nominate – we would love to help out with the process!

Lastly, we also encourage you to check out the awards being offered by specific divisions with ASEE. The ERM Division itself makes several awards each year, including the ASEE ERM Apprentice Faculty Grant. More information is available on the ERM website: <https://erm.asee.org/awards/>.

#### **SECTION (AND NATIONAL) OUTSTANDING TEACHING AWARD**

- o **Purpose:** To recognize an engineering or engineering technology educator for outstanding classroom performance, contributions to the scholarship of teaching, and ASEE participation.
- o **Eligibility:** Teachers of any subject included in an ABET accredited engineering or engineering technology curriculum, including faculty teaching parallel courses at two-year or community colleges and those teaching humanities and social studies, mathematics, science, applied science and computing science.

#### **BENJAMIN GARVER LAMME AWARD**

- o **Purpose:** To recognize a distinguished engineering educator for contributions to teaching, research and technical literature, and the profession of engineering college administration.
- o **Eligibility:** Current and former engineering administrators who have demonstrated improvement of engineering education through: (1) excellence in teaching, (2) research, books, or technical articles, (3) administration of engineering schools, (4) participation in the work of engineering or educational societies, and (5) achievements outside the field of teaching, such as in industry, consulting work, inventions, and government.

#### **ASEE LIFETIME ACHIEVEMENT AWARD IN ENGINEERING EDUCATION**

- o **Purpose:** To recognize individuals who have retired or near retirement and who have devoted their careers primarily to engineering education.

- **Eligibility:** Individuals who have demonstrated throughout their careers (1) excellence in teaching engineering and / or engineering technology courses, (2) mentorship of students beyond the classroom, (3) contributions to the understanding of teaching and learning through the conduct and publication of educational research, (4) demonstrated leadership through the administration of departments, schools or colleges of engineering or engineering technology, and / or (5) volunteer activity and leadership in education societies.

#### **CHESTER F. CARLSON AWARD**

- **Purpose:** To recognize an innovator who has made a significant contribution to engineering or engineering technology education.
- **Eligibility:** Individuals who have demonstrated: (1) creative innovation through a single significant contribution to engineering or engineering technology education, (2) recognition of and responsiveness to an educational need, (3) implementation of a concept carried forward with integrity, (4) external influence extending beyond the home institution, and (5) effectiveness in overcoming barriers and causing change.

#### **ISADORE T. DAVIS AWARD**

- **Purpose:** To recognize individuals who have demonstrated excellence in collaboration or partnership between engineering or engineering technology education and industry.
- **Eligibility:** Nominees can be a faculty member, researcher, administrator, industry leader or employer, or organizational team. While the collaborative project being honored may have a large group of individuals associated with it, no more than two individuals will be selected to be honored in one year.

#### **CLEMENT J. FREUND AWARD**

- **Purpose:** To recognize an individual in business, industry, government or education who has made a significant impact on cooperative education programs in engineering and engineering technology.
- **Eligibility:** Individuals whose professional duties and accomplishments have furthered cooperative education in ABET accredited engineering or engineering technology programs.

#### **DUPONT MINORITIES IN ENGINEERING AWARD**

- **Purpose:** To recognize an engineering or engineering technology educator with outstanding accomplishments in recruiting and retaining underrepresented students within graduate and undergraduate engineering and engineering technology programs.
- **Eligibility:** Individuals who demonstrate leadership in the conception, organization and operation of precollege and college activities designed to increase participation of underrepresented students in engineering or engineering technology.

#### **JOHN L. IMHOFF AWARD**

- **Purpose:** To recognize an individual who has made outstanding contributions in the field of industrial engineering education.
- **Eligibility:** Individuals who (1) are a current industrial engineering faculty member in an accredited institution, (2) have at least five years teaching experience in an engineering school, (3) have demonstrated excellence in teaching, (4) have demonstrated global cooperation and understanding through leadership and other initiatives, (5) are committed to the success of students in the classroom and in professional engineering student organizations, and (6) are a current ASEE member.

#### **SHARON KEILLOR AWARD**

- **Purpose:** To recognize a woman engineering educator with an outstanding record in teaching engineering students and reasonable performance histories of research and service.
- **Eligibility:** Women who hold an earned doctoral degree in an engineering discipline or related field and who have at least ten years of teaching experience in an engineering school.

#### **MERIAM/WILEY DISTINGUISHED AUTHOR AWARD**

- **Purpose:** To recognize excellence in the authorship of engineering textbooks.
- **Eligibility:** Individuals who have contributed to the advancement of technical and professional competence at the undergraduate or graduate level through the authorship of an engineering textbook still in its first edition and written within four years of the award deadline.

#### **NATIONAL ENGINEERING ECONOMY TEACHING EXCELLENCE AWARD**

- **Purpose:** To recognize an individual who has demonstrated classroom teaching excellence and teaching scholarship in engineering economy.
- **Eligibility:** Current or former full-time engineering teachers who have taught engineering economy courses in an ABET or CEAB accredited engineering or technology curriculum frequently for a substantial period of time (at least a decade). Nominees should (1) show evidence of outstanding classroom performance, (2) possess a sense of proportion, stressing fundamentals and basic underlying truths, (3) prepare assignments that challenge students, demanding thinking and learning, (4) demonstrate an intense interest and enthusiasm in engineering economy and enhance the learning process through real-life examples and illustrations to fully motivate students.

#### ROBERT G. QUINN AWARD

- **Purpose:** To recognize outstanding contributions in providing and promoting excellence in experimentation and laboratory instruction.
- **Eligibility:** ASEE faculty members who have made outstanding, sustained contributions to the teaching of laboratory or experimentation courses in engineering or engineering technology, and who have developed courses, course materials, facilities or equipment that exhibit innovation, relevance to the real world, experiential learning, and student motivation.

#### WILLIAM ELGIN WICKENDEN AWARD

- **Purpose:** To recognize the author(s) of the best paper published in the Journal of Engineering Education (JEE), the scholarly research journal for ASEE.
- **Eligibility:** Authors of a refereed article published in JEE during the previous volume year.
- **What to Submit:** The selection is made by a committee composed of the journal's associate editors and four members of the journal's international advisory board, and chaired by the immediate past editor of the journal. All papers published are automatically considered. However, any ASEE member may nominate a qualified paper for this award. A letter explaining the basis for the nomination should be forwarded to Lisa Benson, [lbenson@clermson.edu](mailto:lbenson@clermson.edu), JEE editor.

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