

ASEE Chemical Engineering Division Newsletter

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A (Brief) Message from the Chair:



Joshua Enszer
University of Delaware

Thanks for checking out our first-ever Winter Newsletter! Our aim is to update you on the goings-on of our division and its members without inundating your email inbox. We hope you enjoy perusing the announcements and updates from your colleagues.

The Chemical Engineering Division is as strong as the contributions from its members, so if you have ideas for ways to add value to your membership, please do not hesitate to contact me to share your thoughts. And whether you're new to the division or have run the ranks of our executive committee before, I encourage you to consider new opportunities to participate in our leadership – calls for nominations and self-nominations for both elected and appointed positions can be found in this newsletter as well.

Thanks especially to our editor Elif Miskioğlu for putting together our first-ever winter edition. With no history or template to lean on, the idea of a shorter, classifieds-style document appealed to us, but if you have recommendations for future updates from the division, please let us know.

Until next season!

News from the Division: Get Involved in ChED!

Nominations for Appointed Positions

The ASEE Chemical Engineering Division seeks nominations and self-nominations for members to join two division committees for appointment-based positions:

Membership Committee: The Membership Committee consists of three members: a Chair appointed by the Division Chair, and two members appointed by the Membership Chair. The Membership Committee keeps historical records of division headcount, reports on trends, and makes recommendations to grow the size of the division. The appointment lasts for one year, but is renewable every June at the discretion of the Membership Chair. We are particularly interested in having one member of this committee come from K-14 education. If interested, please contact Anju Gupta (argche@rit.edu).

Fundraising Committee: The Fundraising Committee is an ad hoc committee whose charge is to explore leads for division fundraising with a focus on ChED awards, as well as maintain existing relationships with current and previous division sponsors. The appointment lasts until the next June, but is renewable at the discretion of the Division Chair. We especially encourage both new members and members who have previously served as chair or director to consider this as a way to get involved and/or maintain your connection with the division. If interested, please contact Bernie Van Wie (bvanwie@wsu.edu).

Nominations for Elected Positions

The ASEE Chemical Engineering Division seeks nominations and self-nominations for its upcoming elections! This spring we will be electing our next Chair-Elect, Secretary-Treasurer, and Director. Please consider volunteering or offering the name of a promising colleague to help shape the future of our division! **Send any nominations or self-nominations to the current Division Chair at enszer@udel.edu by April 1, 2019.** Descriptions of the position are as follows:

Chair-Elect: serving concurrently with a Division Chair, the Chair-Elect may be thought of as a vice-chair who then assumes the role of chair the following year. This is a three-year commitment effective as of the division business meeting at the ASEE Annual Conference of the year of election. Chair-Elect (and subsequent role) responsibilities may be found [here](#).

Secretary-Treasurer: this position has both communication and financial responsibilities, as detailed on our division website [here](#). This is a two-year commitment effective as of the division business meeting at the ASEE Annual Conference of the year of election.

Director: this is also a two-year position; there are two directors whose elections are in alternating years. The responsibilities of Director can be found [here](#).

Nominations for ASEE ChED Awards

Do you have a colleague who has done good stuff? Would you like their contributions to be recognized widely by Chemical Engineering Engineering Educators? Consider nominating them for an ASEE ChED Award! We are accepting nominations for:

- The Donald R. Woods Lectureship Award for Lifetime Achievement in Chemical Engineering Pedagogy
- The Thomas and Donna Edgar CACHE Award for Excellence in Chemical Engineering Education
- The Ray W. Fahien Award (open to those in their first 10 years of faculty service).

Awards and nominating process described [here](#). Deadline is January 15, 2019.

Community Announcements

Save the Date! ASEE ChED Summer School

The ASEE Chemical Engineering Summer School Committee is pleased to announce that the next Summer School will take place from the evening of July 25 through the morning of July 30, 2021, in beautiful Golden, Colorado at the Colorado School of Mines!

The Summer School aims to provide impactful early career professional development to colleagues in chemical engineering. It's also a great opportunity for more senior faculty to share their wisdom. Wherever you are in your career, the Summer School has something for you!

The Summer School Committee is grateful to all of the institutions that nominated themselves to host this important event and hopes each of you will all apply again for the next Summer School. The Committee is particularly grateful to our enthusiastic hosts at Colorado School of Mines, and is looking forward to helping share CSM's unique programs and facilities with the chemical engineering community.

We hope ASEE ChED members will plan to join us for an amazing five days of learning in 2021!

Margot Vigeant, on behalf of the committee

Position Announcement: Tenure-Track

Assistant, Associate, or Full Professor, Chemical Engineering, Campbell University School of Engineering

The School of Engineering at Campbell University (<http://www.campbell.edu/engineering/>) seeks an Engineering Faculty for a full-time, tenure-track position at the rank of Assistant, Associate or Full Professor, starting in January 2019. This position in Chemical Engineering is focused on teaching our junior and senior courses in chemical engineering, as well as assisting with the senior design sequence. Campbell's BS in Engineering (with concentrations in mechanical engineering, chemical engineering and electrical engineering) welcomed its inaugural first-year class in fall 2016. These positions present faculty with a unique opportunity to provide leadership in building an innovative engineering program and the prominence of the new School and University.

Duties will include: develop, implement and teach project-based engineering curricula; actively participate in the scholarship of teaching and learning; engage in student advising, student organizations, assessment, accreditation activities, and committee responsibilities. Applicants should be interested in contributing leadership toward the development of the engineering program. Candidates must be committed to innovative engineering undergraduate education; dedicated to excellence in undergraduate teaching, mentoring students, and scholarship; and committed to the University's mission.

Interested applicants should apply online at <http://www.campbell.edu/about/employment/> and include a cover letter of introduction, a curriculum vita, and contact information for five professional references. Questions may be directed to Dr. Jenna Carpenter, Dean, School of Engineering [carpenter@campbell.edu].

Educator Resource: Safety Modules

"Safety Across the Chemical Engineering Curriculum" is an initiative at the University of Michigan working to bring safety modules to chemical engineering educators. The idea is to have a safety module (mostly in the form of a homework problem) in every core chemical engineering lecture course. Currently a module consists of viewing a Chemical Safety Board (CSB) video, carrying out a safety analysis of the incident/accident and then performing a calculation specific to the course at hand. There are also a number of tutorials and other resources on the website.

For more information: <http://umich.edu/~safeche/>

Position Announcement: Postdoc

Postdoctoral Position

Voiland School of Chemical Engineering & Bioengineering

Washington State University, Pullman, WA

Applicants are sought for an 18 – 20 month postdoctoral position to work on a National Science Foundation IUSE grant focused on Educating Diverse Undergraduate Communities using Affordable Transport Equipment. The applicant should have a background in Chemical Engineering or Mechanical Engineering and strong interest in engineering education. The postdoc will work with a web designer to set up a data assessment system and with chemical and mechanical engineering faculty and an education professor to refine assessment instruments, analyze data, and assess the impact of community on faculty adoption of a hands-on learning implementation in fluid mechanics and heat transfer. The postdoc is expected to develop professionally, spearheading implementation of new hands-on learning equipment activities, conducting workshops to transfer pedagogy to other faculty across the US, co-mentoring graduates and undergraduates developing new hands-on learning equipment and companion worksheets and assessment instruments, communicating with faculty from other institutions, disseminating results and assisting in the writing of follow-on grants. Please submit a curriculum vitae and three references to Prof. Bernard J. Van Wie, bvandwie@wsu.edu; 509-335-4103. More information about Prof. Van Wie and his research may be found at: <https://voiland.wsu.edu/faculty-staff/bernie-van-wie/>, and the IUSE team research at: <https://labs.wsu.edu/thiessen/desktop-learning-modules/>.

2019 P-12 Educator Conference

The Pre-College Engineering Education Division is looking for dynamic and interactive presentations to be delivered to P-12 teachers in Tampa. More details can be found [here](#), or by contacting Bradley Bowen for more information at bowenb@vt.edu.