

ASEE Chemical Engineering Division Newsletter

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A Message from the Chair-Elect:



Reg Rogers

University of Missouri

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Call for Community Announcements

Please send any announcements you'd like included in the monthly newsletter to

elif.miskioглу@bucknell.edu.

Classes are winding down (if not already done)...the air is warming up...and that can only mean one thing: summer has arrived! I hope all of you had a successful academic year and are looking forward to some much deserved down time before the 2023-2024 academic year kicks into high gear.

Summer is also a season of transition. As we prepare for the upcoming annual conference in Baltimore, we look forward to the transition of officers, thanking those who have spent many hours in the background facilitating the continual forward movement of the Chemical Engineering Division. While ASEE continues to work through some challenges, we continue to build upon our current successes to usher in new ideas and innovation within the Chemical Engineering classrooms and laboratories. We also look forward to celebrating the achievements of several individuals through our division awards. Many of you have done exceptional jobs in various facets within the teaching realm. Those we highlight during our celebration have, and continue to do, superior work in Chemical Engineering education. Let us look forward to learning from them as well as the rest of our colleagues. We will always be continual learners of the field. Let us come with an open mind to embrace new knowledge that we can carry back to our respective institutions.

This year's conference theme is "The Harbor of Engineering Education". Let us, as the Chemical Engineering community, be a shining example of serving as a harbor for continual education and growth of the next generation of chemical engineers. I look forward to seeing many of you next month in Baltimore!

Very Respectfully,

Reg Rogers
Chair-Elect

ChED Elections: Summary of Candidates

Candidate for Division Chair-Elect

Winner will serve as chair
of ChE Division for 2023 - 2024



Janie Brennan
Washington University in St. Louis

Candidate for Secretary/Treasurer

Winner will serve as
Secretary/Treasurer
of ChE Division for 2023 - 2024



Victoria Goodrich
University of Notre Dame

Candidate for Director

Winner will serve as an advisor to the
executive board for a term of 2 years



Nagu Daraboina
University of Tulsa

Vote [here](#) by Friday, June 14th!

ChED Elections: Candidate for Chair-Elect

I am honored to be running for the position of Chair-Elect in the Chemical Engineering Division of ASEE. I currently work as a Senior Lecturer and Director of Undergraduate Studies in the Department of Energy, Environmental & Chemical Engineering (EECE) at Washington University in St. Louis (WashU). Prior to teaching at WashU, I earned my Ph.D. in Chemical Engineering from Purdue University in West Lafayette.

Participating in and serving the ChE Division of ASEE has been one of the highlights of my professional career. I first became involved in ASEE at the urging of Phil Wankat, who served as a mentor to me when I was graduate student with a growing interest in teaching. However, after my first Summer School in 2017, I fell in love with the ChE Division and the community it has created for so many of us. I was elected to be a Director from 2018-2020, and during my time in that role, I helped write a Mission Statement a list of benefits for the Division. When my term as Director ended, I wanted to remain involved in the ChED Executive Board, so I joined the Membership Committee and helped develop a tool to help track which members were new and which had lapsed (which is now defunct due to the ASEE software changes, but so it goes). This past year, I have served as the Program Chair for the 2023 Annual Conference in Baltimore. In addition, most of my research collaborators were those I met in the Chemical Engineering Division.

If I am elected to this position, I would prioritize maintaining the organizational strengths of our division, as well as try to find ways to grow our community further. The Chemical Engineering Division has been invaluable to me in my professional development, as well as a source of many whom I now call friends and close colleagues. I can think of no better way to give back to the community which has given me so much than by serving as the Chair-Elect (and eventually Chair).



Janie Brennan

Washington University in St. Louis

Vote [here](#) by Friday, June 14th!

ChED Elections: Candidate for Secretary/Treasurer

I am pleased to run for Secretary/Treasurer for the ASEE Chemical Engineering Division. I am an Associate Teaching Professor of Chemical and Biomolecular Engineering (CBE) at the University of Notre Dame. Prior to teaching, I received degrees in Chemical Engineering from the University of Oklahoma (BS – 2006) and the University of Notre Dame (MS – 2009 and PhD – 2011). Upon completing my doctorate, I entered the teaching faculty at the University of Notre Dame as the Director of the First Year Engineering Program while also teaching in CBE.

In 2018, I entered fully into the CBE faculty as an associate teaching professor where I now focus on coordinating and managing the laboratory courses as well as working with faculty to create new learning opportunities throughout the chemical engineering curriculum.

My research focuses on creating and assessing experiential and informal learning that takes place on campus. In particular, I'm interested in understanding how educational experiences inspire the formation of engineering identity and impact long-term success in their future professions by developing more than just traditional technical skills.

ASEE has provide me with countless opportunities for learning and development, and many of my current projects have been inspired and fostered by the community of this division. I look forward to an opportunity to give back to the ASEE Chemical Engineering Division in this role of Secretary/Treasurer if elected.



Victoria Goodrich
University of Notre Dame

Vote [here](#) by Friday, June 14th!

ChED Elections: Candidate for Director

I am grateful to the ASEE Chemical Engineering Division for nominating me to serve as a Director in the Chemical Engineering Division of ASEE. In 2022, I attended the ASEE Chemical Engineering Summer School at the Colorado School of Mines in Golden, Colorado. I was exposed to the tools and methods available for us to help students learn more and succeed. The whole experience is wonderful and I also won the scavenger hunt 😊, it was fun. This experience is truly instrumental in making my classes more fun and engaging. I am so grateful and would like to serve the community by sharing my experience with the next generation.

Currently, I am working as an Associate Professor at the Russell School of Chemical Engineering, University of Tulsa (TU), and serving as an Associate Director of Tulsa University Paraffin

Deposition Projects (TUPDP), industry-academia research consortia. I earned my Ph.D. (Chemical and Biological Engineering) from the University of British Columbia (UBC). Upon graduation and before joining TU, I worked as a postdoctoral researcher at Denmark Technical University (DTU).

I have had many opportunities to teach in diverse environments throughout my professional career. These experiences include but are not limited to undergraduate student lab teaching, upper-level undergraduate and graduate lectures, and seminars for scientific audiences. Indeed, I have been fortunate to visit many universities and scientific conferences in Canada, the USA, South America, and Europe to present my work. I have found working with students consistently rewarding, and my passion for teaching will extend beyond the classroom. I strongly believe that my experience and my passion to improve chemical engineering education would be beneficial to the division and I look forward to working with ASEE Chemical Engineering Division. Thank you for your support.



Nagu Daraboina
University of Tulsa

Vote [here](#) by Friday, June 14th!

As journal editor, I have a predefined “role” within the Open Journal Systems (OJS), which is not surprisingly called “Journal Editor”. This role has a variety of functions within OJS (some can be removed, while others cannot). One function that cannot be removed is the fact that I receive an email every time a reviewer is assigned to a paper, every time a reviewer accepts their role, and every time a reviewer submits a review.

I mention the above as I have been *overwhelmed* (in a really good way) with emails informing me of reviewer assignments, acceptances, and completed reviews during the last two months associated with the nearly thirty manuscripts that were submitted to CEE as a result of the ASEE/AIChE Summer School. To say the chemical engineering educator community has come together in response to this call (authors and reviewers) would be a big understatement.

A special thanks to Dan Burkey, Allison Godwin, and Milo Koretsky for working as a team to manage the editorial processes associated with this special issue (or issues, as it were). They have used their networks (and the Reviewer Search function on OJS) to assign reviewers in a broad and inclusive way. While it is wonderful for me to see names I am familiar with as reviewers, I am especially excited about all of the names I am unfamiliar with as reviewers. Kudos to Dan, Allison, and Milo for providing this opportunity to many within our community.

Look for articles from the ASEE/AIChE Summer School in CEE likely starting this fall or winter.

Don Visco
Editor, *CEE*



Annual Conference: Highlights & Reminders

Don't forget to [register](#) for the conference! It's June 25-28 in Baltimore. The program will be finalized very soon, but here are some highlights (times all in local Baltimore time – eastern time zone):

Sunday:

Johns Hopkins Unit Ops Tour (must provide own transportation) from 7 - 9 pm (*limited capacity -- only 13 tickets left!*)

Social Hangout Time with Board Games from 7 - 9 pm

Monday:

Poster Session from 9:15 - 10:45 am

Technical sessions: 11:00 am - 12:30 pm and 1:30 - 3 pm

Tuesday:

Business Meeting from 1:30 – 3:00 pm

Open Mic Session from 3:15 - 4:45 pm – *perhaps with a focus on ChatGPT*

Banquet from 6 - 9 pm at the B&O American Brasserie (*limited capacity – 42 tickets left*)

Technical sessions: 9:15 - 10:45 am (x2) and 11 - 12:30 pm (x2)

Wednesday:

Technical sessions: 11 - 12:30 pm (x2), 1:30-3 pm, 3:15 - 4:45 pm

This year, we have 10 technical sessions and close to 60 papers total (which includes 6 posters and 11 Works-in-Progress)! Thanks so much to all of you for your contributions to this conference. I would particularly like to thank Neha Raikar for her help setting up the banquet and Unit Ops tour.

Looking forward to seeing everyone soon!

Janie Brennan

2023 Chemical Engineering Division Program Chair



Community Announcements

Job Opportunity

Teaching Faculty Search at Northeastern University

The Department of Chemical Engineering at Northeastern University seeks applications for a non-tenure track teaching faculty position. At Northeastern, teaching faculty have opportunities for multi-year contracts and promotion. The main responsibility of non-tenure-track teaching faculty is high-quality student-centered teaching, including course preparation, delivery, and assessment. We value and celebrate diversity in all its forms and strive to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion. Therefore, faculty are encouraged to use the latest in teaching pedagogy for enhanced and inclusive learning at all levels. Teaching professors also participate in department, university, and professional service activities and are engaged in a modest level of scholarship for their own professional development around education and pedagogy.

To view the full description and details regarding the application process and statements, visit the Northeastern Careers website at https://northeastern.wd1.myworkdayjobs.com/en-US/careers/job/Assistant-Associate-Full-Teaching-Professor---Chemical-Engineering_R113747

Call for Participation

Seeking Recent and Upcoming Engineering Ph.D. Graduates with Positive Mentoring Experiences

To help better understand and support women doctoral candidates in engineering programs, we are looking for research participants and their mentors for our study.

Specifically, we are looking to interview individuals who identify as women and have completed (or are about to complete) a doctoral dissertation in an engineering discipline or an engineering education research program and their mentors about their mentoring experiences and strategies that helped them navigate their pathway through graduate school. All interview participants will receive a \$25 Amazon e-gift card for their time.

If you would be interested, please complete this interest survey: https://clemsn.ca1.qualtrics.com/jfe/form/SV_3C5Sks74E3xJoay

Please direct any questions you have about this study to Jennifer Brown at jpshaff@clemsn.edu, and please pass on this call to anyone you know who might be interested. Thank you!

Call for Volunteers

AIChE Education Division

The Education Division of AIChE needs a volunteer to serve on our elections committee. We will be holding elections in Summer/Fall 2023 for 4 positions:

Secretary/Treasurer
2nd Vice-Chair
Director 1
Director 2

The committee will likely meet 2-3 times between now and the conclusion of elections on October 1, 2023.

If you are willing to volunteer for this role, please reach out to the Division Past Chair Ben Davis at ben.davis@cooper.edu

Thank you!

Photo Credits: Spring at the White House: Joyce Boghosian, "Baltimore Skyline at Dusk" by Dave Hosford is licensed under [CC BY 2.0](https://creativecommons.org/licenses/by/2.0/), Community Announcements ASEE Conference Logo: ASEE, Summer School Photo: Lisa Bullard