

## ASEE BED Minutes, June 2022

### BED Business Meeting, Tuesday June 29<sup>th</sup>, 2022 Annual Conference

1. **Call to Order.** Aileen Huang-Saad, BED Division Chair, called the meeting to order at 8:01 am, CST. There were approximately 51 members in attendance in person and 8 members on zoom. Aileen called the meeting to order and announced the activity report will be shared by the previous PIC chair from Dr. Christi Luks. New PIC chair, unable to attend, is Elliot Douglas.
2. **PIC I Division Activity Report:** PIC I Chair Christi Luks reported from the board of directors meeting on Sunday that there were 3042 attendees and 762 sessions. ASEE is working on value propositions this year and will send the BED the resulting value propositions to modify so it is specific to our group. The VP of scholarship position is now closed, but the JEE Editor positions are still open. There is also a scholarly publications committee position open. Transforming PRISM revenue is down due to an outdated model. Slayte is a new system used for ASEE this year that did not work well, so PIC decided that any future decision about software will not be purchased until users have had a chance to vet it. There will be a listening session today so that members can assess use of Slayte and whether to return to Monolith. ASEE will be giving BED a \$50 discount code for choice of 2023 dues or registration at the Baltimore meeting for Minneapolis attendees and \$50 for a gift to new one new member. Financial report – institutional dues were invoiced late due to Impexium issues. BASS account fees will be dropped in 2023 and are looking into a method for cash advances from BASS for event planning. In particular, the 30% BASS account tax fee is being dropped, so dues will be increased by 3% per year. Membership is declining across the board as younger members are not prone to join and may also be tied to faculty numbers. Best PIC paper for BED was “Resolving Troublesome Knowledge in Engineering Physiology using ICAP Framework...” Incoming PIC chair next year will be Elliot Douglas.
3. **Activity Report:** ASEE Hub and website are up to date, please contact Christine for any postings or feedback. We had 33 papers published this year, which is up by 2 papers from last year.
4. **Conference Statistics.** Attendees this year was 3042 with 762 sessions, total papers was 5431, BED authors was 436. Total papers published in PIC I from BED was 33, and was 31 in 2021. We had 51 submitted abstracts, and 65% of submitted abstracts were presented this week, 12 platform presentations, 21 WIP posters (15 posters and 6 postcards). We are slightly up from 48 abstracts submitted last year with a 64% yield, and up from 10 platform presentations as last year, same WIPs (21) as last year. Special sessions this year included BED Speed Networking, Exploring Alternative Grading Strategies, and RE-Mixing Engineering Ethics: Engaging the BED in a Conversation about Engineering Ethics Education. Please reach out to Sarah Rooney if interested in

proposing a session for next year's conference.

5. **PIC I Engagement.** 51 papers published in our division with 436 members who published this year, with our highest membership in 2008 at ~600. There has been a 20% decrease in BED over last 10 years (12% overall), but only a small change over the last 5 years.
6. **Minutes.** The minutes from 2021 will be deferred for approval in 2023 so that they can be physically printed at the meeting, notes taken by Christine King and motioned by Judy Cezereux. The minutes will be set/motioned/2<sup>nd</sup>/approved next year, as prior years were virtual during COVID-19 pandemic. See: <https://sites.asee.org/bed/bylaws-and-minutes/>
7. **ASEE Diversity Report.** Rucha Joshi, BED Commission on DEI delegate, presented new strategic plan on racial equity, and highlights of strategic planning process. CDEI will support divisions in adding meaningful DEI language to their bylaws, they will support HQ and leaders of divisions, sections, and zones to conduct organizational Equity Audits. They plan to build capacity for divisions to contribute quality diversity paper, and are working on ideas such as paper quality metrics.
8. **ASEE P-12 Report.** Devina Jaiswal, delegate, mentioned that the P-12 Enrichment Program was conducted at John J. Duggan Academy in Springfield, a middle school. The mission is to provide opportunities for students to grow and acquire social, emotional, cognitive, and physical skills as well as leadership and social skills needed for academic pursuits and career development. The program has hands-on activities created to expose them to engineering concepts, and multiple BME related activities such as a bioreactor, creating a microscope, and microfluidic channels. The goal for the commission website is to have a landing page for P-12 teachers to have access to resources and professional development workshops. The website is in progress and they need volunteers to speak at a workshop. There will also be an interactive map sent out to delegates to forward to local parent groups and teachers. The map will be sent to the BED division as they need active participation from members. Email Devina if you have any contact or local community that wants to get involved or get access to teachers' professional development workshops. The commission is also planning to have a separate session apart from PCEE that will encourage research and an article beneficial to P-12.
9. **Town Hall Planning Committee.** Joseph Towles, delegate, mentioned that goal of committee is to plan activities of town hall meeting on current topics. Participants are 1 delegate from each division, where they meet 1 hour every other week from February to June, plan and meetings are to plan town hall meetings and to send information to ASEE organization committee to create these meetings. This year's deliverable is to plan and execute activities around Preparing Engineering for the 2030's. This year, the ASEE will send their deliverables on what the 2030's will look like to the NAE.

10. **Treasurer Report.** Alex Ortiz-Rosario mentioned ASEE is using a new financial system so numbers were not available for this year. Financially, we are doing well, our balance is around the same as last year, around \$11,033.29.
11. **BED Awards.** Vice-chair for Honors and Awards Jennifer Choi recognized the 2021 BED award winners:
  - a. **Pilkington Award:** Dr. Rachel Schmedlen, University of Michigan
  - b. **Teaching Award:** Dr. Christine King, University of California Irvine
  - c. **Lifetime Faculty Mentor Award:** Dr. Robert Linsenmeier, Northwestern University
  - d. **Best Paper Award:** Dr. Devina Jaiswal and Sara Cunha, “Resolving Troublesome Knowledge in Engineering Physiology using ICAP framework based Problem-Solving Studio”, Western New England University
  - e. **WIP Award:** Dr. Cameron Kim, “Work-in-Progress: Ethical, Legal, and Social Implications of Emergent Biotechnologies: Distributive justice and dual-use technology in the engineering design cycle curriculum”, Duke University
  - f. **Student Travel Awards:**  
Eileen Johnson, University of Illinois Urbana Champaign  
Dr. Saralyn McKinnon-Crowley, Georgia Institute of Technology
6. **Program Report.** Aileen Huang-Saad, 2021 Program Chair, reported we had 48 submitted abstracts, 64% of submitted abstracts were presented this week, 10 platform presentations (4 sessions), and 21 “Work in Progress” posters/postcards. We had 2 WIP sessions, 2 full paper sessions, and 3 special sessions this year. We still did not have the lowest presentation total compared to 2015 despite COVID. Historical data showed that we had similar values for platforms and WIPs compared to prior years. New initiatives include the virtual hallway by Alexis and LeAnn performing a virtual game night on Gather Town for our social.
7. **Ongoing and New Initiatives.** Sarah and Tanya hosted a new “How to Submit to ASEE BED” webinar for first-time authors in Autumn 2021. There are ongoing approved new several ad hoc committees: DEI - how BED can engage with the new Constituent DEI Award), Social Media – how to support increasing the social media presence of BED through the year, Member Engagement – how to support increasing BED members and engagement through year, Newsletter – support sourcing of content for monthly newsletter, Special Sessions – assist with planning of special sessions for upcoming conference. ASEE-Slayte roll out was very challenging and not well received. Ideas for next year will be a webinar on getting to know BED for department chairs, onboarding activities for BME graduate students, and BED-led workshop at BMES. Lastly, Tanya encouraged members to send resources and announcements to the Bimonthly BED newsletter.
8. **Program Plans and Discussion.** Program Chair-Elect Sarah Rooney noted that the 2023 conference is planned to take place in Baltimore, MD on June 25-28. She mentioned

that we should start thinking about how to best use ASEE BED and BIEE to complement each other for publications. She wants to continue a webinar on how to submit ASEE BED papers, and recommended a “Show and Tell” special session at the conference, where educators can have 5 minutes to show off their most effective classroom demonstrations and hands-on activities. Speed networking session will be continued as it was well received, and will continue full paper track, postcard session, and poster session.

*Suggestions from Zoom Chat:* Mary Staehle recommended posting webinars on website. Sara Rooney and Mary Staehle recommended doing a field trip to John Hopkins to see their new labs at the next conference. Jenny Amos took over as BMES Education Committee Chair and recommended reconnecting BMES and BED for collaboration. Tanya Nocera reminded the members to message non-elected members to get them connected into delegate positions or committees. Sarah Rooney will follow up with them.

9. **New Business.** Aileen mentioned that this year’s theme will be increased communication among membership and the community. Will have a series of meetings such as attend Council of Chairs meeting to learn how to communicate to department chairs what is needed from the BED members and community who are working under these chairs so that they will be best supported.
10. **Elections.** Renata Ramos, Past-Chair and Chair of the Nominating Committee, recognized the following advancing and continuing positions:
  - a. **Division Past-Chair and Chair of the Nominating Committee:** Aileen Huang-Saad, Northeastern University
  - b. **Division Chair:** Tanya Nocera, The Ohio State University
  - c. **Program Chair:** Sarah Rooney, University of Delaware
  - d. **Treasurer:** Alexis Ortiz-Rosario, The Ohio State University
  - e. **Members-at-Large:** Casey Ankeny, Northwestern University, Nicole Ramo, Westchester University

Renata led elections. Election results for new officers were as follows:

- a. **Program Chair-Elect:** Rachel Childers
  - b. **Events Chair:** Yanfen Li
  - c. **Secretary/Webmaster:** Joseph Towles
  - d. **Member at Large:** Christine King
11. **Announcements.** There is one more session today, 11:30am, on Developing Lab and Research Skills for BioE/BME Students. BEEC will host Share and Learns on third Wednesday of the month in September. If you are interested in hosting a session, please reach out to Alexi Ortiz-Rosario or Christine King at [kingce@uci.edu](mailto:kingce@uci.edu). Next session will be on BME textbooks, if you have existing resources to provide, please email them. Website is located at [www.beecvirtual.org](http://www.beecvirtual.org). BIEE Journal is also open for full journal

submissions, it is published twice per year and has a Diverse Equity and Inclusion issue coming out in a few months, and an Experiential Learning issue coming out in 6 months.

12. **Adjourn.** The meeting was adjourned at 9:30 CST.

Minutes submitted by Christine King on date: \_\_\_\_\_ (to occur at next annual BED business meeting)