

## ASEE BED Minutes, June 2020


### BED Business Meeting, Tuesday June 23 2020 Virtual Conference

- 1. Call to Order.** Mike Rust, BED Division Chair, called the meeting to order at 3:32 pm EST. There were 49 members in attendance. (Individual names were not recorded due to the online format of the meeting for the virtual conference.) Mike announced that there is an informal networking zoom meeting running throughout the conference and encouraged members to stop by to say hello. The zoom link is available on the [ASEE BED website: https://sites.asee.org/bed/](https://sites.asee.org/bed/)
- 2. PIC II and Division Activity Report.** Division Chair Mike Rust reported that there are 3,263 attendees and 1,762 papers in the 2020 virtual conference. In addition, Mike showed PIC II statistics: BED has 43 papers published, which is among the top 3 divisions regarding the number of papers in PIC II. Mike Rust also showed PIC II membership trends, and noted that BED membership has decreased by 25% since 2010. He also mentioned that the 2020 BED membership is slightly lower than last year, and noted that the Covid-19 pandemic likely played a factor.
- 3. PIC II Chair Q&A.** Peter Schmidt discussed the recent restructuring of divisions. BED division chair Mike Rust pointed out that the only divisions that were in our PIC last year and are still in our PIC is Materials Science and Engineering. Peter and Mike discussed the financial outlook, noting that ASEE lost approximately \$700,000 revenue in 2020 due to moving the conference online. Peter elaborated that the losses were due to loss of sponsor participation and loss of registration revenue, as the 2020 virtual conference registration was lower than the registration cost for in-person conference.
- 4. Minutes** from 2019 were shared as a google doc by Dianne Hendricks. The minutes were move/2<sup>nd</sup>/approved. See: [2019 BED Business Meeting Minutes](#).
- 5. Commission on Diversity, Equity, and Inclusion Report.** Rachel Childers provided a report from the Commission on Diversity, Equity, and Inclusion (formerly called the Committee on Diversity, Equity, and Inclusion). She shared the [Commission on DEI website](#) and noted that the commission is holding regular workshops during summer 2020. She also introduced the Constituent DEI Award, which can be awarded to a division or other ASEE group (e.g. chapter, committee, etc.). Nominations (including self-nominations) are accepted and the submission timeline will likely be November to January. For more information on other DEI programs, see [ASEE Diversity Initiatives website: https://diversity.asee.org/](https://diversity.asee.org/)
- 6. Treasurer Report.** Alex Ortiz-Rosario discussed revenue and expenses for the past fiscal year (FY19) as well as in-progress information on revenue and expenses for 2019.

7. **BED Awards.** Vice-chair for Honors and Awards Jennifer Choi noted that there was a very strong pool of nominees for the Pilkington, Teaching, and Travel awards. She thanked the awards committee members: Casey Ankeny, Northwestern University; Rachel Childers, University of Oklahoma; LeAnn Dourte, University of Pennsylvania; Michelle Grimm, Michigan State University; Aileen Huang-Saad, University of Michigan; Arthur Johnson, University of Maryland; Tanya Nocera, Ohio State University; Sarah Rooney, University of Delaware; Mary Staele, Rowan University; James Sweeney, Oregon State University; Willis Tompkins, University of Wisconsin. See [ASEE BED website](#) for more information on awards.

Jennifer recognized the 2020 BED award winners:

- a. **Theo C. Pilkington Award:** Judy Cezeaux, Arkansas Tech University
  - b. **BED Teaching Award:** Karin Jensen, University of Illinois
  - c. **Best Paper Award:** Will Guilford for “Clinician-engineer career bias and its relationship to engineering design self-efficacy among Biomedical Engineering undergraduates.”
  - d. **Best Work-In-Progress Award** (new award in 2020): Ryan Devine, Dominik May, and Cheryl Gomillion for “WIP: Pilot Study for the Effect of Simulated Laboratories on the Motivation of Biological Engineering Students.”
  - e. **Travel Awards:** Stanley Ng (University of North Dakota) and Kali Morgan (Georgia Tech).
6. **Program Report.** Renata Ramos, 2020 Program Chair, began by thanking officers, moderators, and division members who have helped with the conference, especially considering the complications due to the Covid-19 pandemic. She provided the following statistics on this year’s submissions: n=69 total submissions (increase from 2019), and 62% of them were accepted for 19 platform and 24 WIPs (including poster and postcard sessions). The total number of submissions (n=69) is more than double the number of submissions in 2015 in Seattle and 2016 in New Orleans (n=39 each), and in the past five years is second only to 2018 in Salt Lake City (n=83). Renata thanked the 109 reviewers for this year, and recognized two special sessions offered in the 2020 conference: Rachel Schmedlen presented a special session on BME design and Brian Helmke presented a session on DEI (Diversity, Equity, and Inclusion).
  7. **Ongoing Initiatives and Challenges.** Program Chair Renata Ramos noted new program changes in 2020: (1) requiring all authors to review, (2) providing guidelines for authors to respond to reviewer comments, and (3) adding language in the call for papers to describe the differences between WIP vs. full papers. Renata noted the benefits for BED from continued engagement with the Council of Chairs (CoC) and BMES. Renata spoke further about ongoing initiatives that have been hindered by the Covid-19 pandemic, such as active learning during sessions (which has been encouraged in recent conferences) and opportunities to connect with local industry and universities in the conference/host city.

8. **Program Plans and Discussion.** Program Chair-Elect Aileen Huang-Saad noted that the 2021 conference is planned to take place in Long Beach, CA. She indicated that BED will keep the general categories used this year and add a *remote learning track*. She solicited ideas for us to bring the BME education community together (ASEE BED, BMES Education Division, BME Summit, Council of Chairs, BEEC).
9. **BME Education Journal.** Program Chair-Elect Aileen Huang-Saad announced the launch of a new journal: Biomedical Engineering Education (published by Springer). Ann Saterbak is the editor-in-chief; Aileen Huang-Saad and Brian Helmke are the deputy editors-in-chief. The journal will do a soft launch in August with an issue on teaching in the Covid-19 pandemic, and the official launch will be in January 2021. Website: <https://www.springer.com/journal/43683/>
10. **New Business.** Mike Rust announced creation of a new position, Events Chair, who will organize the BED Social and Awards Dinner and the Division Mixer. Past-Chair and Chair of the Nominating Committee, Richard Goldberg, announced that the position of Secretary is now Secretary / Webmaster.
11. **Elections.** Richard Goldberg, 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:** Mike Rust (Western New England University)
  - b. **Division Chair:** Renata Ramos (Rice University)
  - c. **Program Chair:** Aileen Huang-Saad (University of Michigan)
  - d. **Members-at-Large:**
    - i. 2018-2021: Sarah Rooney (University of Delaware)
    - ii. 2019-2022: Rachel Childers (University of Oklahoma)  Ohio State University

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

  - f. **Program Chair-Elect:** Tanya Nocera (Ohio State University)
  - g. **Awards Chair:** Jennifer Choi (UC Davis)
  - h. **Treasurer:** Alexis Ortiz-Rosario (Ohio State University)
  - i. **Secretary / Webmaster:** Dianne Hendricks (University of Washington)
  - j. **Events Chair:** LeAnn Dourte-Segan (University of Pennsylvania)
  - k. **Member-at-Large 2020-23:** Casey Ankeny (Northwestern)
12. **Other Initiatives.** The following were proposed by members: (1) Judy Cezeaux, current lead of the ad-hoc committee that was formed in 2019 to support nominations of BED members for ASEE Fellows, suggested to continue the ad-hoc committee. Judy announced that the committee was successful in their nomination of Joe Tranquilo, as he was named as an ASEE Fellow in 2020. (2) Conrad Zapanta suggested a new award for mentoring. (3) Christine King suggested creating an initiative to boost membership at institutions. (4) Scott Seidman commented on the value proposition of engineering

education. 5) Ruth Ochia suggested something like a workshop for BED members who are new to the process of applying for education grants.

13. The meeting was adjourned at 4:27 pm.

Minutes submitted by Dianne Hendricks on date: \_\_\_\_\_ (to occur at BED business meeting in the following year's conference)