

## ASEE BED Minutes, 2017

BED Business Meeting, Tuesday, June 27, 2017  
Hyatt Regency Hayes Room  
Columbus, OH

1. Will Guilford, BED Chair, called the meeting to order at 1:32 PM. Forty nine members were in attendance.
2. Minutes from June 2016 were distributed by Judy Cezeaux. The minutes were approved without corrections.
3. Will Guilford provided a BED activity report. There are 474 BED members, with approximately 50 of those being active members. Will discussed efforts to increase the visibility of the division. This year the division rolled out its website ([sites.asee.org/bed](http://sites.asee.org/bed)), had banners printed to improve visibility of the division's sessions, and had BED pens made for distribution at the division mixer. He also reported on news from the PIC II about a slight increase in ASEE membership as well as the new schedule this year to address poor attendance at Wednesday afternoon sessions.
4. Treasurer's report: Judy Cezeaux presented the treasurer's report. She discussed the revenue and expenses for the past fiscal year (FY16) as well as in progress information on revenue and expenses for FY17.
5. Vice Chair, Honors and Awards report: Michael Rust announced this year's award winners. The Pilkington Award winner is Joe Tranquillo, Bucknell University. The Teaching Award winner is Casey Ankeny, Arizona State University. The Best Paper Award winners are Christa M Wille, Dalton James Hess, Jake Mitchell Levin, Amit Janardhan Nimunkar, and John P. Puccinelli from the University of Wisconsin-Madison for their paper entitled "Impact of a Sophomore BME Design Fundamentals Course on Student Outcome Performance and Professional Development." Travel Award winners are Anahid Ebrahimi, University of Delaware and Yanfen Li, University of Illinois, Urbana-Champaign. Mike noted that the number of nominees for the Pilkington, Teaching, and Travel Awards were on par with previous years, with a moderate increase. He also mentioned that we would like to see more nominees from more universities in the future. He thanked the awards committee members: Alyssa Taylor, University of Washington; Paul King, Vanderbilt University; Mary Staehle, Rowan University; Renata Ramos, Rice University; and Willis Tompkins, University of Wisconsin. There was an inquiry as to whether the BED award monies are the same as other divisions.
6. Program Chair report: Rachael Schmedlen, Program Chair, gave information on the BED programs at this year's conference. There were 58 abstract submissions which yielded 27 presentations (26 platform, 18 Work in Progress posters) for a yield of 76%. This year, BED has a poster session, 6 platform sessions, a panel discussion "Re-imagining Industry-Academia Engagement in BME," two workshops (one co-sponsored by the ERM division), the BED annual business meeting and Awards Dinner. Four prospective sessions were realized: clinical collaboration (immersion & beyond), problem-based/design projects in 1<sup>st</sup> and 2<sup>nd</sup> year, industry engagement and partnerships panel, and the Wednesday workshop with ERM. A proposed session on undergraduate co-curricular initiatives did not come to fruition. Rachael compared this year's submission/acceptances statistics with those from New Orleans (2016), Seattle (2015) and Indianapolis (2014) as well as the final paper/poster counts for this year compared to previous conferences going back to 2011. As reported in previous years, issues noted this year included unclear prompts from the review management system,

reviewers often did not take into account “Work in Progress” requirements vs. full paper requirements, and WIPs converting to full papers circumvent stringent review. There was also discussion about the BED newsletter. Rachael thanked all reviewers as well as session moderators. Mary Staehle asked if the quality of papers was up since the number of rejections were down. Rachael stated that she believes that the paper quality is increased. Kris Billiar questioned the notification process for authors in that the notification did not specify whether the presentation would be platform or poster. There was also a question about the scheduling of the technical sessions. Michael Caplan stated that he likes getting the list of topics of interest for submission. Michelle Grimm would like notification about the Sunday sessions. Rob Linsenmeier requested if the posters could be kept up longer, but noted that 1.5 hours was enough time for the authors to be present.

7. Topics for 2018 meeting in Salt Lake City: Richard Goldberg, Program Chair for 2018 conference in Salt Lake City, UT (June 24 – 27) opened discussion of suggested topics for technical sessions, workshops, panel discussions, and poster sessions. It was decided to keep the same general categories from last year: Keep the general categories used last year: student research and design, laboratories and projects, courses and curricula, experiential and global learning, and pedagogy and assessment. Suggested workshops/panels were clinical collaboration (immersion & beyond), problem-based projects or design projects in the 1<sup>st</sup> and 2<sup>nd</sup> year, industry engagement and partnerships, next generation of BME, and partner with ERM Division (theoretical frameworks, qualitative assessment; how could we incorporate into our teaching?). He also discussed initiatives to convert posters to full papers and suggested a Work in Progress technical session where there would be a 5 minute overview of each paper and then attendees could visit authors for a more in depth discussion. Other ideas included an undergraduate co-curricular initiatives session (perhaps a design competition). Richard also mentioned the newsletter as a tool to encourage planning for assessment, and converting teaching into papers. Member discussion on prospective sessions mention Utah’s history of artificial organ development as well as design/innovation. Other topics of discussion included potential collaborations on sessions on 1<sup>st</sup> year programs. It was stated that the Call for Papers needs to be clear that papers on any topics are welcome. There was enthusiasm for potential sessions related to MS programs and BME graduate placement. A potential educational summit organized by the Council of Chairs of Bioengineering and Biomedical Engineering was discussed, with a fall 2018 target date. Don Gaver, Bob Kirsch, and Rich Hart are leading the efforts for this summit.
8. Elections: Ann Saterbak, Past Chair and Chair of the Nominating Committee went over the elected positions within the Division. Continuing officers following this meeting include Division Past-Chair and Chair of the Nominating Committee: Will Guilford, University of Virginia; Division Chair: Rachael Schmedlen, University of Michigan; Program Chair: Richard Goldberg, University of North Carolina, Chapel Hill; Members-at-Large: Alyssa Taylor, University of Washington (2015-2018) and Renata Ramos, Rice University (2016-2019). Elections were held for the open officer positions. The elections results:
  - a. Program-Chair Elect: Michael Rust, Western New England University
  - b. Secretary-Treasurer: Judy Cezeaux, Western New England University
  - c. Vice Chair, Honors and Awards: Mary Staehle, Rowan University
  - d. Member at Large (2017-2020): Tanya Nocera, Ohio State University
9. New business: Will Guilford discussed ways to promote the division. The question proposed was what we can do further to increase membership. He suggested reaching out to department chairs and faculty who are not members of the BED. Mary Verstraete mentioned the Dean’s program where the Deans pay for new faculty to join ASEE. There was discussion on how to maintain the

intimacy of the group while mentoring new members, including non-tenure stream faculty. Will also proposed to investigate the duration of Program Chair service and the role of the Chair-Elect. In the BED, the program chair serves a one-year term while in other divisions, it is a two-year position. Will asked if we should we consider making the Program Chair a 2-year position and should the Chair-Elect serve in some support capacity. The members decided to keep the terms and duties of program chair and program chair-elect as is. There was a desire to separate the secretary and treasurer positions. Rich Goldberg will send out a ballot to change the division bylaws to separate these positions.

10. This year's BED poster award winner was entitled "'Blinded" Grading Rubrics for Bioengineering Lab Reports (Work in Progress) by Yanfen Li, Philip A. Jensen, Paul Anthony Jensen, and Karin Jensen.
11. The meeting was adjourned at 3:07 PM.

Minutes submitted by Judy L. Cezeaux, June 2018