

Dear BED members,

I am happy to say that we were able to complete another successful ASEE conference this year. What an incredible pleasure to be able to actually meet in person again after 2 years! There were many old and new friends in attendance. For those of you who weren't able to join us, I included a few pictures below. Thank you to all of the BED Officers and volunteers who worked so hard to put on a great in-person meeting! Through many life events, COVID19, and SLAYTE, the 2022 ASEE BED Board MADE it and had a great meeting. I am so grateful to be able to work with this team. Tanya Nocera, our Program Chair, was an incredible leader. THANK YOU!

With the momentum of enthusiasm following our meeting, I want to encourage the community to engage with the BME educators year round in real time by joining the ***Biomedical Engineering Education Community (BEEC)***. The BEEC is a virtual community of practice that strives to share evidence-based teaching strategies, build community and stay connected throughout the year. You can sign up for the BEEC specific mailing list (which is different from this ASEE mailing list) [here](#) and/or join the [BEEC slack channel](#).

While short, this newsletter has some great info -- Thank you Dan Cavanagh (Bucknell University) for kicking off the recruiting season and showing all of us how we need to get moving before you snap up all the great talent! I also wanted to highlight the winners of our faculty awards from the last 3 years to celebrate the great talent we have in the biomedical engineering community. This is also a friendly reminder to think about who you might want to nominate for next year - it's a great way to show some appreciation for your colleagues and peers and highlight their great work. Nominations for 2023 will be solicited in the spring.

We will take a short summer hiatus and be back in full force August 15!

Enjoy your summer!

Be well and in peace,

Aileen Huang-Saad, BED Past Division Chair
The Roux Institute, Northeastern University



BED Announcements for 7/1/22

General Announcements (e.g. upcoming Webinars, upcoming seminars, upcoming grants, publication opportunities, etc.)

1. **CALL FOR NEWSLETTER CONTENT:** ASEE BED Bi-monthly Newsletter
2. **CALL FOR PARTICIPATION:** Seeking Faculty with Experience in Biomedical Engineering Research

BME Education Resources for You

1. **ASEE AWARDEES:** 2020-22 ASEE Awardees

Position Announcements

1. **POSITION ANNOUNCEMENT:** Emmitt Memorial Professor of Instruction, Department of Biomedical Engineering, Bucknell University

Engineering Education Research

1. **SATURATION IN QUALITATIVE RESEARCH:** Saunders B, Sim J, Kingstone T, Baker S, Waterfield J, Bartlam B, et al. Saturation in qualitative research: exploring its conceptualization and operationalization. Qual Quant. 2018;52(4):1893–907.

General Announcements

1. **CALL FOR NEWSLETTER CONTENT:** ASEE BED Bi-monthly Newsletter

As of 2021, the ASEE BED has started to share a bi-monthly newsletter with the community. We share general resources, BME Education Resources for Students and Faculty, Upcoming Positions, Engineering Education Research Resources. Information will be shared in consecutive emails. If you have information to share with the community, please send your announcement to the BED listserv, as a 2-3 paragraph description including any relevant URLs and contact info as well as a subject line. Do not include any attachments. Be sure that the announcement includes the person to contact with questions. Email all of this information to Aileen Huang-Saad at a.huang-saad@northeastern.edu with [BED Announcement] in the subject line to facilitate email sorting. Announcements will be sent out on the 1st and 15th of each month. Each set of announcements will be included in the announcements email twice. Announcements will also be recorded on the BED website (<https://sites.asee.org/bed/>) and HUB (<https://aseehub.asee.org/groups/home/34#active-group-members>).

2. **CALL FOR PARTICIPATION:** Seeking Faculty with Experience in Biomedical Engineering Research

Dear ASEE Biomedical Engineering Division members,

Our research team is seeking participants for an NSF-funded research study exploring faculty perspectives on ethics in Biomedical Engineering research. We plan to select faculty from a range of institutions and who bring a spectrum of experiences related to Biomedical Engineering research.

We are currently recruiting interested faculty participants and request that if you are willing to be interviewed on your experiences, to please fill out a brief recruitment survey. Based on survey responses, we will invite 30 faculty members to participate in two interviews, each of which will last up to 2 hours. As a thank you for completing interviews, participants will receive a \$100 gift card for each interview completed. Please note that completing this survey does not guarantee selection for the interviews as we are selecting for a breadth of coverage..

If you would be willing to be interviewed by our team, please complete the 10-minute selection survey [here](#).

Participation in this study is completely voluntary. This study, titled: “Exploring the Variation in Understanding and Experiences with Ethical Engineering Research Among Faculty in Biomedical Engineering” was reviewed by the Purdue University IRB-2021-1091 and the Iowa State University IRB (ID#: 22-120). The project investigators are Dr. Andrew Brightman (aob@purdue.edu), Dr. Nicholas Fila (nfila@iastate.edu), and Dr. Justin Hess (jhess@purdue.edu).

BME Education Resources for You

2. ASEE AWARDEES: 2020-22 ASEE Awardees

Biomedical Engineering Teaching Award

2020 Karin Jensen, University of Illinois (University of Michigan)
2021 Yanfen Li, University of Massachusetts Lowell
2022 Christine King, University of California - Irvine

Theo C. Pilkington Outstanding Educator Award

2020 Judy Cezeaux, Arkansas Tech University
2021 William Guilford, University of Virginia
2022 Rachael Schmedlen, University of Michigan

Biomedical Engineering Lifetime Faculty Mentor Award (new award as of 2022)

2022 Robert Linsenmeier, Northwestern University

Position Announcements

1. POSITION ANNOUNCEMENT: Emmitt Memorial Professor of Instruction, Department of Biomedical Engineering, Bucknell University

The Biomedical Engineering (BME) Department at Bucknell University invites applications for the inaugural Emmitt Memorial Professor of Instruction to begin August 2023. The initial position is for three years, with regular reappointments and opportunities for advancement along this track. With this new position, Bucknell’s Biomedical Engineering Department is seeking a faculty colleague passionate about innovation in undergraduate BME education. We expect to hire at the assistant professor level but are open to considering outstanding candidates at other ranks. This position is ideal for candidates interested in a teaching-focused career in academia with an emphasis on undergraduate instruction, curriculum development and innovation, student engagement, and departmental and college community. This 9-month, teaching professor position includes a 6 course teaching load split over two semesters, with additional expectations of new course development, departmental contributions, college and university service and undergraduate student advising. A candidate interested in pursuing enhanced service, administrative, or leadership opportunities at Bucknell could seek a reduction in teaching load in consultation with the department chair (contingent upon the needs of the department).

This new colleague would join a top-ranked, highly selective undergraduate biomedical engineering department with small class sizes (< 24 students) that facilitates close student-faculty interaction in an inclusive, hands-on, and interactive learning community. We seek individuals with enthusiasm for undergraduate classroom and laboratory teaching that incorporates evidence-

based pedagogy and inclusive and active learning techniques. The ideal candidate would have teaching abilities in multiple areas to support a biomedical engineering curriculum containing courses in bioinstrumentation, signals and systems, biomechanics, materials, biostatistics, computing, fluid mechanics, heat and mass transfer, and medical device design. Individuals with a strong desire to develop innovative student experiential learning activities and broaden students' perspectives through curricular or co-curricular activities are especially encouraged to apply. In addition, candidates would be encouraged to intellectually engage with the broader biomedical engineering education community at the local and national level, e.g., attending ASEE and BMES conferences. Financial support for professional development activities, such as conferences and workshops, is included in the position.

A successful candidate must be ABD or have a Ph.D. in biomedical engineering or a closely related discipline at time of appointment. Clear evidence of the potential for teaching excellence is essential, and a strong interest in continued professional development is expected. The candidate should demonstrate a commitment to working successfully with a diverse student body, utilizing inclusive pedagogies, and fostering highly collaborative environments. Applications will only be accepted online through Bucknell's career site (careers.bucknell.edu). The full position description and application requirements will be accessible online starting on August 1, 2022 after which applications will be accepted. Applications will be reviewed beginning on November 1, 2022 until the position is filled. Please contact Dan Cavanagh in Bucknell BME regarding any questions (dcavanag@bucknell.edu).

Engineering Education Research Resources

1. **SATURATION IN QUALITATIVE RESEARCH:** [Saunders B, Sim J, Kingstone T, Baker S, Waterfield J, Bartlam B, et al. Saturation in qualitative research: exploring its conceptualization and operationalization. Qual Quant. 2018;52\(4\):1893–907.](#)

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