

Dear BED members,

While we all struggle with recent world events, I feel privileged to be able to send this newsletter to you as we seek to find normalcy post COVID and look towards our upcoming 2022 ASEE meeting.

Be well and in peace,

Aileen Huang-Saad, BED Division Chair

The Roux Institute, Northeastern University

### **BED Announcements for 3/15/21**

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

1. **CALL FOR SPECIAL ISSUE CONTENT:** Experiential Learning in Biomedical Engineering
2. **CALL FOR NEWSLETTER CONTENT:** ASEE BED Bi-monthly Newsletter
3. **CALL FOR PARTICIPATION:** Engineering Faculty Supporting Undergraduate Mental Health
4. **CALL FOR PARTICIPATION:** ASEE 2022 House is now Open
5. **CALL FOR APPLICATIONS:** ASEE Journal of Engineering Education Editor
6. **CALL FOR PARTICIPATION:** March 16, 2022 (1-2 EST); BEEC Share and Learn - Teaching Thermodynamics
7. **CALL FOR NOMINATIONS:** ASEE Commission on Diversity, Equity, and Inclusion Executive Committee Member at Large

*BME Education Resources for You*

1. **FUNDING OPPORTUNITY:** NIH Team-Based Design in Biomedical Engineering Education

*Position Announcements*

1. **POSITION ANNOUNCEMENT:** Assistant/Associate/Full Teaching Professor - Bioengineering, Northeastern University (Boston Campus)
2. **POSITION ANNOUNCEMENT:** Part-time Lecturer for Senior Design, University of Pennsylvania
3. **POSITION ANNOUNCEMENT:** Director of Faculty and Student Training, Department of Biomedical Engineering, Georgia Tech and Emory University

*Engineering Education Research*

1. **REVIEWING PAPERS:** JEE Mentored Reviewer Program

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*General Announcements*

1. **CALL FOR SPECIAL ISSUE CONTENT:** [Experiential Learning in Biomedical Engineering](#)

Biomedical Engineering Education announces a special call for papers focused on experiential learning in biomedical engineering. Experiential learning is the application of students' knowledge and skills to real-world experience, whether within the clinic, the classroom, the laboratory, or the

community. It fosters reflection on one's learning and the development of transferable skills. Examples may include clinical immersion, design, open-ended course-based labs, study abroad, entrepreneurial pursuits, internships, undergraduate research experiences, or clubs.

Authors are encouraged to submit an abstract that defines the paper type and the general scope of the intended paper at <https://tinyurl.com/BMEEAbstract>. Following feedback, a full manuscript will be requested by July 15, 2022. Authors may submit a full paper without first having submitted an abstract.

Submission of abstracts (300–500 words in length)	March 15, 2022
Notification of editorial feedback on abstracts	April 15, 2022
Submission of manuscript	July 15, 2022

2. **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](mailto: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>).

3. **CALL FOR PARTICIPATION:** Engineering Faculty Supporting Undergraduate Mental Health

We are working to enhance our understanding of how undergraduate engineering students experience stress. Our project is focused on gaining a better understanding of how a culture of stress develops and is perpetuated in engineering programs. We will use this knowledge to develop resources and communities that can dismantle this culture and promote student wellbeing. Specifically, we are seeking information on how engineering faculty and staff perceive undergraduate engineering culture, particularly with regard to norms around stress and mental health.

We are seeking engineering faculty and staff who work with undergraduate engineering students. Participants will complete a 30–60-minute virtual

interview via Zoom sharing experiences working with undergraduate engineering students. The interview will be used to improve student support systems and faculty training. Upon completion, participants will receive a \$50 Amazon gift card.

If you are interested in participating in this study, please contact Eileen Johnson at [emjohns4@illinois.edu](mailto:emjohns4@illinois.edu).

4. **CALL FOR PARTICIPATION:** ASEE 2022 House is now Open

This year's ASEE2022 will be in Minneapolis, Minnesota. Housing is now available -- check out [Hotel Accommodation \(asee.org\)](https://www.asee.org/hotel-accommodation)

5. **CALL FOR APPLICATIONS:** ASEE Journal of Engineering Education Editor

The American Society for Engineering Education (ASEE) seeks applications and nominations for the volunteer position of Editor for the Journal of Engineering Education (JEE). JEE is the premier journal for, as well as a platform and voice of, engineering education research. It has a circulation of more than 8500 subscribers in nearly 80 countries. More information about the journal can be found on the website <https://www.asee.org/papers-and-publications/publications/jee>, including its history and the most recent Strategic Plan.

The Editor of JEE works with a team consisting of Deputy, Senior Associate, Associate, and Assistant Editors to establish and execute processes to maintain JEE's reputation as the leading research journal worldwide in engineering education and leveraging JEE as a platform for advancing engineering education research. Among these processes and activities are establishing and maintaining the editorial standards for the journal, managing the review and publication of papers, expanding global connections of the journal, and participating in events to expand the quantity and quality of engineering education around the world. Executing these responsibilities requires a commitment of one quarter-time, on average. Applicants should be recognized scholars in engineering education, be active members of ASEE, and be employed by an ASEE member institution. The Editor will be assisted in communications, management, marketing and strategizing for JEE by the publisher's production and marketing teams and by a half-time staff member at ASEE headquarters.

Applicants for this volunteer position should send (a) a cover letter including a summary of relevant experiences, (b) a vision statement for the future of JEE and a statement of their editorial philosophy, (c) a full Curriculum Vitae, and (d) a list of three references, all to Ms. Monique Maddox, Director of Human Resources for ASEE ([humanresources@asee.org](mailto:humanresources@asee.org)). All materials should be sent as pdf attachments not later than Monday, May 30, 2022 by midnight EDT. In addition, ASEE members may nominate outstanding candidates for consideration. Nominations should be sent to Dr. Oscar Barton, Jr. ([oscar.barton@morgan.edu](mailto:oscar.barton@morgan.edu)), Chair of the JEE Editor Search Committee no later than Monday, May 30, 2022 by midnight EDT. The JEE Search

Committee will review application materials, interview finalists, and submit recommendations to the Executive Director of ASEE, and ultimately to the ASEE Board of Directors. The target date for completing the selection process is July 1, 2022. The anticipated start date for the position is September 1, 2022 which coincides with the start of a three-month transition period working with the current editor.

Questions regarding the position or the search process should be directed to Dr. Oscar Barton, Jr. ([oscar.barton@morgan.edu](mailto:oscar.barton@morgan.edu)) or to Dr. Norman Fortenberry, ([N.Fortenberry@asee.org](mailto:N.Fortenberry@asee.org)) Executive Director of ASEE.

6. **CALL FOR PARTICIPATION:** March 16, 2022 (1-2 EST); BEEC Share and Learn

Hi Community!

We are super excited to share with all of you **March's Share and Learn!** Our monthly Share and Learns are meant to serve as networking and collaboration between community members.

Topic: **"Teaching Thermodynamics to Biomedical Engineers"**

When: **March 16th, 2022 1:00 PM - 2:00 pm(EST).**

Lead: **Adam St. Jean, PhD** - University of Massachusetts - Lower

If you are interested to be part of this discussion, collaborating, contributing, or just learning something new don't miss it!

See you all there!

*-The BEEC Team*

[Register here](#)

7. **CALL FOR NOMINATIONS:** ASEE Commission on Diversity, Equity, and Inclusion Executive Committee Member at Large

The ASEE Commission on Diversity, Equity, and Inclusion (CDEI) is pleased to announce the call for nominees to join the Commission on our Executive Committee. **Nominations due April 15, 2022.** This nomination process follows the guidelines articulated in the [CDEI Bylaws](#). We are looking for a **Member-at-Large**:

**Member At-Large:** Members At-Large are appointed by the ASEE President for a three-year term. Both nominations and self-nominations are welcome. This can be filled by any

ASEE member. Nominations are open for one month. The CDEI Executive committee and Leadership team will review nominations and make a decision.

All positions take office at the end of the annual conference in June, 2022.

Serving on the CDEI provides an opportunity to collectively drive decisions and shape the path forward in matters of diversity, equity, and inclusion for ASEE. It also provides leadership and network growing opportunities. We invite you to join our passionate and motivated team, provide strategic leadership, and help us map an ambitious future for our organization.

**Eligibility.** Candidates must meet a professional standard of excellence, commitment to promote diversity and inclusion in engineering and engineering technology education, and

- Hold active membership in ASEE
- Be willing to accept a leadership position in CDEI
- Have time to dedicate to CDEI work

**Submission.** All nominations should include nominator name and contact, nominee name and contact information, and reason for nomination. Nominations should be submitted electronically at: <https://forms.gle/kjMdXNjPrwY215edA>

**Deadline for nominations: Wednesday, April 15, 2022.**

If you have questions or comments, please contact me at [elitzler@uw.edu](mailto:elitzler@uw.edu) or the current CDEI chairs at [cdeichairs@asee.org](mailto:cdeichairs@asee.org)

### ***BME Education Resources for You***

- 1. FUNDING OPPORTUNITY:** NIH Team-Based Design in Biomedical Engineering Education  
<https://grants.nih.gov/grants/guide/pa-files/PAR-22-000.html>

### ***Position Announcements***

- 1. POSITION ANNOUNCEMENT:** Assistant/Associate/Full Teaching Professor -  
Bioengineering, Northeastern University (Boston Campus)

Northeastern University invites applications for full-time, non-tenure track teaching faculty in the field of Bioengineering on the Boston campus. We seek individuals with a passion to support high-quality teaching and maintain the highest instructional standards through preparation of lectures and laboratory exercises based on course materials provided; effective facilitation of rich, respectful debates and discussions in an in-person or hybrid class; timely review and grading of assignments with appropriate coaching and feedback to the students; consistent connection with students and their performance; adherence to Northeastern's policies. Apply [here](#)

2. **POSITION ANNOUNCEMENT:** Part-time Lecturer for Senior Design, University of Pennsylvania

The Bioengineering Department at the University of Pennsylvania's Engineering school is seeking a part-time lecturer (PTL) to co-teach our senior design capstone class. The class is a two semester long program where teams (ranging from 10 to 12) identify a need, define specifications, and design and build a prototype. Projects can include medical devices, synthetic biology, as well as pure software. At the end of the academic year, students are expected to present a finished and working prototype.

The PTL is expected to provide brief lectures and/or video recordings, track team performance, review and grade assignments, reports, and presentations. The PTL will also help coordinate a design expo for both the fall and spring semesters. The PTL will be working with two other instructors. More information can be found here: <https://belabs.seas.upenn.edu/seniordesign>. If you are interested, or have any questions, please contact Seville Mannickarottu ([seville@seas.upenn.edu](mailto:seville@seas.upenn.edu))

3. **POSITION ANNOUNCEMENT:** Director of Faculty and Student Training, Department of Biomedical Engineering, Georgia Tech and Emory University

Contact: [joseph.ledoux@bme.gatech.edu](mailto:joseph.ledoux@bme.gatech.edu); Applications submitted via the Georgia Tech Application Website. For inquiries contact the BME Search Committee: [GT-Emory-Recruiting@bme.gatech.edu](mailto:GT-Emory-Recruiting@bme.gatech.edu)

**The Wallace H. Coulter Department of Biomedical Engineering**, (<http://bme.gatech.edu>) a joint department between Georgia Tech's College of Engineering and Emory University's School of Medicine (Atlanta, GA), invites applications for an academic professional with the working title of Director of Faculty and Student Training. The position supports Coulter Department faculty and teaching assistants' engagement in evidence-based state-of-the-art pedagogical practices that create learning environments in which diverse students and instructors can thrive. This position will be appointed through and located at the Georgia Institute of Technology.

*Engineering Education Research Resources*

1. **REVIEWING PAPERS:** [JEE Mentored Reviewer Program](#)

To send an announcement to the BED listserv, please prepare 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](mailto: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>).

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