

Dear BED members,

Greetings and Happy New Year! I hope everyone managed to have some time to recuperate over the last few weeks as we enter back into the next semester. While our newsletter is a little lighter in content, there's quite a few things to point out:

1. **ASEE Elections:** This week you should have received a ballot from ASEE to vote for new officers in ASEE. I just wanted to give a shout out to one of our very own -- Dr. Will Guilford - who is running for PIC Chair. Don't forget to vote -- every vote counts!
2. **Engineering Education Resource:** One of the hardest things that I had to wrap my head around when I started to learn about engineering education research was the role of "frameworks" - what was a framework and what did it mean every time someone said -- "a framework is used as a lens" for your research -- WHAAAT the heck does that even mean? Well -- good news -- there is a new article in JEE that addresses the role of frameworks in engineering education research. This might be a nice read during your down time :)

Wishing everyone the best in the new year and semester !

Be well and in good health!

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



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BED Announcements for 12/1/21

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

1. **CALL FOR NOMINATIONS:** 2022 ASEE BED Awards
2. **CALL FOR NEWSLETTER CONTENT:** ASEE BED Bi-monthly Newsletter
3. **CALL FOR PARTICIPATION:** BEEC 2022

BME Education Resources for You

1. **FACILITATING ONLINE TEACHING:** Community BME resource for online teaching

Position Announcements

1. **POSITION ANNOUNCEMENT:** Educational Programs Manager and Instructor, Cancer Center at Illinois
2. **POSITION ANNOUNCEMENT:** Teaching Faculty, Dept of Bioengineering, University of Illinois

3. POSITION ANNOUNCEMENT: Teaching Professor, UCSD Department of Bioengineering

Engineering Education Research Resources

1. Applying frameworks in engineering education
[Magana AJ. The role of frameworks in engineering education research. J Eng Educ. 2021;1–5.](#)

General Announcements

1. CALL FOR NOMINATIONS: 2022 ASEE BED Awards

Each year, the Biomedical Engineering Division (BED) of the ASEE grants several awards at the annual ASEE conference, including the Theo C. Pilkington Outstanding Educator Award, the Biomedical Engineering Teaching Award, and new this year, the Biomedical Engineering Lifetime Faculty Mentor Award.

Theo C. Pilkington Outstanding Educator Award

The Biomedical Engineering Division (BED) of ASEE annually awards The Theo Pilkington Outstanding Educator award. This award is conferred by the division for significant contributions to biomedical engineering education as evidenced by the development of successful undergraduate or graduate level programs, curricula, publications as well as by membership and activities in ASEE/BED and other biomedical engineering organizations. The award consists of a commemorative plaque and a check for \$350. This award recognizes the contribution of Theo C. Pilkington as a true pioneer in Biomedical Engineering who contributed significantly to the advancement of Biomedical Engineering Education.

Biomedical Engineering Teaching Award

This award is conferred by the Biomedical Engineering Division (BED) to recognize contributions in the field of biomedical engineering education by new faculty members as evidenced by innovative teaching materials, curricula, textbooks and/or professional papers and by activity in ASEE/BED and/or other biomedical engineering organizations. Awardees must have a primary educational role in biomedical engineering, either through a dedicated BME/Bioengineering program or through a related engineering program. Faculty members who have no more than 5 years (by June 1 of the year in which the award is given) of teaching experience with primary course responsibility at the university/college or community college level are eligible for this award. The award consists of \$350 and a commemorative plaque.

Biomedical Engineering Lifetime Faculty Mentor Award

The Biomedical Engineering Lifetime Faculty Mentor Award is made to a faculty member in the ASEE Biomedical Engineering Division in recognition of excellence in mentoring other faculty in biomedical engineering education. This award will be given biennially, and is conferred by the division for strong evidence of excellence in mentoring other faculty to advance their careers in engineering education or related fields, as well as for clear evidence of impact on current or former mentees both within and outside the home institution. All BED faculty members that have had active ASEE and BED memberships for 5 of the last 10 years are eligible to receive this award. Minimum activity includes conference attendance and serving as a paper reviewer. This award consists of a commemorative plaque and a check for \$350.

The Awards Committee is soliciting nominations for these three awards. Note that all award winners are typically required to attend the Awards Banquet held during the ASEE Annual Conference. This year, the

2022 Annual Conference will be held in Minneapolis, MN (6/26/22-6/29/22). Before nominating an individual, please ensure that they will be available to attend (more details TBD). For detailed nomination instructions and forms, please visit the following link:

https://www.asee.org/membership-and-communities/awards-and-honors/other-divisions#Biomedical_Engineering_Division

APPLICATION PROCESS:

On or before January 15, 2022: Signify your intent to nominate by filling out the brief form at this link:

<https://forms.gle/PGgaav52bni4veLX6>

On or before February 15, 2022: Submit a complete nomination package (additional information will be sent to nominators).

If you have any questions, please contact the BED Awards Chair at asee.bedawards@gmail.com

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 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>).

BME Education Resources for You

2. FACILITATING ONLINE TEACHING: [Community BME resource for online teaching](#)

Position Announcements

1. POSITION ANNOUNCEMENT: Educational Programs Manager and Instructor, Cancer Center at Illinois

The Cancer Center at Illinois (CCIL) has an extensive set of educational programs spanning high school students through professionals and continues to identify opportunities to enhance the education of trainees through creation of new programs, courses, experiences, etc. To support these ongoing and new efforts, CCIL invites applications for an Educational Programs Manager and Instructor who will work closely with the Cancer Research Training and Education (CRTEC) team

and support program management, offering of courses/labs, and connection to our community through outreach.

2. **POSITION ANNOUNCEMENT:** Teaching Faculty, Dept of Bioengineering, University of Illinois

The Department of Bioengineering (BIOE) at the University of Illinois Urbana-Champaign (UIUC) invites applications for an open rank, full-time teaching position in all areas of bioengineering. Candidates will be considered for a teaching track faculty position at the assistant, associate, or full professor rank. Alternatively, an appointment as an instructor or lecturer will also be considered when appropriate. We seek highly qualified applicants with a strong commitment to excellence in teaching and the ability to teach at all levels. The Department of Bioengineering is committed to creating an accessible, supportive environment and an educational experience that recognizes diversity and cultural competence as integral components of academic excellence. Candidates who can contribute to that goal are encouraged to apply and to identify their strengths in this area. This is a 100% non-tenure-track, renewable appointment on an academic year (nine-month) service basis paid over twelve months.

<https://jobs.illinois.edu/academic-job-board/job-details?jobID=155873&job=the-grainger-college-of-engineering-teaching-faculty-open-rank-bioengineering-155873>

3. **POSITION ANNOUNCEMENT:** Teaching Professor, UCSD Department of Bioengineering

Most complete description at
<https://apol-recruit.ucsd.edu/JPF03024>

Essence of the recruiting document

Title: Assistant Teaching Professor of Bioengineering

Emphases: teaching in our Biotechnology major (biochemical/molecular/systems biology), including laboratory courses. Working with graduate courses; project courses. Active in science education at

UCSD

Qualifications: PhD in BioE or related; college teaching experience; professional and leadership skills; diversity activities.

Engineering Education Research Resources

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