

[bio_div] ASEE BED Announcements: 4/15/24

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Dear BED Members:

Whoops! I'm a day late. April is flying by. For those planning to attend the ASEE annual conference in Portland, Oregon, remember that early bird rates expire May 1.

Sarah I. Rooney, ASEE BED Division Chair
University of Delaware

This email has been sent using the Biomedical Engineering Division ASEE listserv. Please do not respond to this email address. Responses can be sent to srooney@udel.edu.

ASEE BED Announcements for 4/15/24

Red = last time announcement is included in newsletter

Congratulations Corner

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2. **Dr. Yanfen Li Receives Grant from the Women's Foundation of Boston**
3. Dr. Joe Tranquillo Receives AIMBE Professional Impact Award in Education
4. Submit Your Accomplishments

Announcements

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2. Biomedical Engineering Education Community (BEEC) Resources
3. ASEE Commission on Diversity, Equity, and Inclusion (CDEI)- Virtual Workshop Recordings

Open Positions

1. **UNC-Chapel Hill:** Applied Physical Sciences Teaching Assistant Professor
2. **Union College:** Lecturer of Biomedical Engineering

Call for Newsletter Content

Congratulations Corner

1. AIMBE College of Fellows 2024

The American Institute for Medical and Biological Engineering (AIMBE) announced the election of 152 new members of the AIMBE College of Fellows in recognition of their distinguished and continuing achievements in medical and biological engineering. Election to the AIMBE College of Fellows is among the highest professional distinctions accorded to a medical and biological engineer. The College of Fellows is comprised of the top two percent of medical and biological engineers. College membership honors those who have made outstanding contributions to engineering and medical research, practice, or education and for pioneering new and developing fields of technology, making major advancements in traditional fields of medical and biological engineering, or developing/implementing innovative approaches to bioengineering education.

I especially want to celebrate the new AIMBE Fellows who are also ASEE BED members:

- Timothy Allen, University of Virginia
- Bernard Choi, University of California, Irvine
- Eileen Haase, The Johns Hopkins University
- Brian Helmke, University of Virginia
- Stacy Klein-Gardner, Vanderbilt University
- Laurel Kuxhaus, Clarkson University
- Ruth Ochia, Temple University

The full list is available [here](#), which includes links to each person's induction letter, highlighting their accomplishments. I find it inspiring to read about our ASEE BED members! Please join me in warmly congratulating them!

2. Dr. Yanfen Li Receives Grant from the Women's Foundation of Boston

Dr. Yanfen Li, Assistant Professor at University of Massachusetts Lowell, received a grant from the Women's Foundation of Boston to identify barriers women high school students face when pursuing postsecondary education and workforce training. This project aims to gather information on women students in the Massachusetts area which can be used to inform policy and financial decisions. News release [here](#).

3. Dr. Joe Tranquillo Receives AIMBE Professional Impact Award in Education

Dr. Joe Tranquillo, Associate Provost for Transformative Teaching and Learning and Professor of Biomedical Engineering at Bucknell University received the [AIMBE Professional Impact Award in Education](#) for leadership in biomedical engineering education, including publishing five textbooks, supporting faculty development across the nation, and teaching a generation of students at Bucknell. Joe is a former ASEE BED executive board member and an ASEE fellow.

4. Submit Your Accomplishments

Submit [this short form](#) to be featured in an upcoming ASEE Biomedical Engineering Division newsletter to highlight member accomplishments (self-submit or submit on behalf of someone you know). We will highlight accomplishments that are related to BME education and induction of ASEE BED members as fellows of related professional organizations (e.g., BMES, AIMBE). Seeing the teaching and career-related accomplishments of colleagues in education-focused roles has served as important inspiration for me over the years, and I hope it will do the same for you!

General Announcements

1. ---

Participate

1. ASEE Workshop: Hands-on Mentoring Workshop

Dr. Constanza Miranda, an ASEE BED member, is co-hosting a special [ASEE workshop](#) at the annual conference. This workshop is a joint venture between the Mentoring Initiative at the Johns Hopkins Whiting School of Engineering, and the Pre-engineering Division at the School of Engineering from Pontificia Universidad Católica de Chile. Both institutions have been engaging in mentoring programs to ensure 1) to foster mentoring skills in engineering faculty, staff, and peers, interacting with pre-engineering programs and our first-year students; 2) to strengthen the scaffolding for rising high school juniors, seniors, and first-year college students related to academic socialization, start conversations around life projects, and nurturing a sense of belonging. Both institutions have worked with diversity-forward policies and forms of customized learning that have increased the need for a more formal mentoring system. The workshop will begin by providing participants with background information from both schools, followed by hands-on activities in which we will explore some of the mentoring strategies that we use in our ongoing workshops with faculty and peer mentors. The facilitators will provide worksheets, cards, and activities for the participants to engage in during the session. We hope that after the session, participants can use the tools in their own institutions.

2. Submit an Abstract to BMES

Now Accepting Abstract Submissions for the 2024 BMES Annual Meeting!

This year's annual meeting is in Baltimore, MD, on October 23-26, 2024, where we'll gather to collaborate, share ideas, and learn from thousands of talented BMEs. We want you to join us and share your research and findings with us to help make BMES 2024 an incredible learning experience! [Abstracts](#) are due May 15, 2024. There is a track for biomedical engineering education.

3. BE NSPIRE - Biomedical Engineering Network of Students and Post-docs in Research and Education

Mission - A Biomedical Engineering Hub for Connecting Minds and Advancing Knowledge for Transformative Educational Experiences

We are a hub for students/post-docs to engage in research discussions, novel teaching practices, and networking opportunities in Biomedical Engineering. Our online forums, workshops, seminars, and collaborative initiatives will unite the next generation of Biomedical Engineering educators. Please [use this link](#) to join our Slack!

If you have any further questions, concerns, or comments please contact: be.nspire0@gmail.com

4. ASEE BED Education Showcase- Call for Participation

Attending ASEE 2024 in Portland? Have a classroom activity to share with the BED? Keep reading to learn how to sign up for a low stakes (but fun!) ASEE BED session where you can share an effective BME classroom activity with others.

The 2nd annual BME Education Showcase is Recruiting Participants: BME educators will get 5 minutes to demonstrate their most effective classroom activities, such as icebreakers, hands-on activities, team building, classroom demonstrations, technology tips, classroom DEI initiatives, low-cost solutions/activities, or pedagogical strategies. No idea is too small! Last year was a blast and we are looking to continue to build excitement around the small (but mighty) things we do in our classrooms. And – as a bonus – we encourage participants to list your involvement on your CV.

The Showcase will be held during the ASEE annual conference on Tuesday, June 25, 2024. There will be an expectation to make your materials available to the BED community after the conference

Submit your idea [here](#) by **May 3rd, 2024**

Presenters chosen will be notified by June 1, 2024

Google Form link: <https://forms.gle/LiBeFHC28c2hBous9>

Learn

1. Tidbit: AI in the classroom

In my quest to find ways to usefully incorporate AI into the classroom, I stumbled upon this site. I particularly like the (slowly growing) list of assignments people have submitted!

<https://aiipedagogy.org/>

Submitted by: LeAnn Dourte, Practice Associate Professor, University of Pennsylvania

2. Biomedical Engineering Education Community (BEEC) Resources

BEEC's website contains recordings, slides, and resources for the biomedical engineering education community. Need ideas for what textbook to use in your BME course? Alternative grading techniques? Funding opportunities in engineering education? Learning more about educational research? Find this and much, much more!

3. ASEE Commission on Diversity, Equity, and Inclusion (CDEI)- Virtual Workshop Recordings

Check out Virtual Workshop Recordings on CDEI's [YouTube Playlist](#)

Check out CDEI:

- LinkedIn: https://www.linkedin.com/company/asee_cdei/
- Twitter: @ASEEDiversity
- Blog: <https://diversity.asee.org/deicommitee/blog/>

Position Announcements

Note: We advertise positions that have a BME education focus to ensure relevance to our BED members. Advertisements may include the following: teaching-focused faculty (TT or NTT) or staff positions, TT positions at PUI or R2+ institutions that have a larger workload and emphasis on teaching, and TT positions that allow for educational scholarship instead of traditional engineering research. If submitting a job posting, please ensure it meets these criteria.

1. UNC-Chapel Hill: Applied Physical Sciences Teaching Assistant Professor

The department of Applied Physical Sciences (APS) at the University of North Carolina invites applications for a Teaching Assistant Professor (TAP). This position is a 3-year, 9-month, permanent, fixed-term faculty appointment. The individual in the position will be evaluated annually for teaching and service. APS has developed an innovative, general engineering undergraduate major that is a BS in Applied Sciences with tracks in materials engineering and environmental engineering. This new major will build on an existing minor in Applied Sciences and Engineering and we will enroll new students starting in fall 2024. This program will capitalize on the strengths of UNC to train students to address the complex, interdisciplinary challenges of today. We seek a dynamic educator who will thrive in this innovative environment and is prepared to design, improve upon, and teach undergraduate courses using pedagogy informed by engineering education research. The successful candidate will join a cohesive and innovative group of faculty who are dedicated to teaching excellence.

The TAP will teach three classes per semester including first year classes, engineering foundational courses, and upper-level electives in materials engineering. The TAP will also be expected to provide service to the department by working with the Director of Undergraduate Studies to support the implementation of the new undergraduate program.

2. Union College: Lecturer of Biomedical Engineering

The Department of Electrical, Computer and Biomedical Engineering at Union College invites applications for a Lecturer of Biomedical Engineering position, beginning Fall 2024. The position is renewable with a contract period of three years. After six years of employment at Union, Lecturers are eligible for promotion to Senior Lecturer with the possibility of contract lengths up to five years. A Ph.D. in Biomedical Engineering or a closely related field is required. Candidates expecting to complete their doctoral thesis before September 2024 are also welcome to apply. We seek an individual who demonstrates a strong commitment to student-centered undergraduate education, including those with a professional interest in pedagogy. Service duties will include coordinating the Summer Clinical Immersion Program with our local partners, advising our Biomedical Engineering Society student chapter, and coordinating the biomedical engineering seminar series. Although research is not an expectation of this position, the successful candidate will have the option to continue scholarly activity and will have access to College funds and a wide

array of advanced instrumentation and facilities. Excellent candidates in all areas of Biomedical Engineering will be considered, but preference will be given to candidates with expertise in biomechanics, biomaterials, and rehabilitation engineering.
<https://jobs.union.edu/en-us/job/493417/lecturer-in-biomedical-engineering>

Call for Newsletter Content

The ASEE BED bi-monthly newsletter is a place to share general announcements, open positions, BME education resources, Tidbits, etc. To send an announcement via the BED newsletter, 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 Sarah Rooney at srooney@udel.edu with **[BED Announcement]** in the subject line to facilitate email sorting. Announcements will be sent out approximately on the 1st and 15th of each month. **Each set of announcements will be included in the newsletter 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>). To submit a Tidbit, use the same process described above AND label it as a Tidbit and include your name and title/affiliation.

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