

[bio_div] BED Announcements: 9/15/23

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via asee.org

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To:bio_div@asee.org <bio_div@asee.org>

Dear BED Members:

Happy Friday! There's lots jam-packed into this set of announcements- enjoy.

If you have any suggestions for the newsletter or our ASEE Biomedical Engineering Division as a whole, please send them to me... along with your Tidbits!

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

BED Announcements for 9/15/23

Red = last time announcement is included in newsletter

Announcements

1. Congratulations 2023 BMES Fellows!
2. ASEE BED Bi-monthly Newsletter Tidbits

Participate

1. ASEE BED Mentorship Program
2. Apply for Associate Editor of Biomedical Engineering Education

Learn

1. **Tidbit:** AI resources
2. ***White Paper*:** Bringing the Biomedical Engineering Community Together to Develop Its Future Workforce (attached and [online](#))- please share
3. Biomedical Engineering Education Community (BEEC) Resources
4. ASEE Commission on Diversity, Equity, and Inclusion (CDEI)- Virtual Workshop Recordings

Open Positions

1. **Virginia Tech:** Instructor of Bioinstrumentation Laboratory
2. **BMES Meet the Faculty Forum**
3. **Johns Hopkins University:** Teaching Faculty- BME Laboratory Instructor
4. **Johns Hopkins University:** Innovation and Design Teaching Faculty
5. **University of Southern California:** Lecturer or higher rank in Biomedical Engineering
6. **Duke Engineering:** Director of Character Forward Initiative

Call for Newsletter Content

General Announcements

1. Congratulations 2023 BMES Fellows!

This year, the BMES Board of Directors is honored to announce that 30 members have joined the ranks as [BMES Fellows](#). The Fellow grade of membership is a prestigious honor

recognizing outstanding achievement in biomedical engineering. Fellows have demonstrated impactful achievements and made significant contributions to the biomedical engineering community and to BMES. They are active leaders in the profession and within the Society. Congratulations and cheers to [all new fellows](#) and in particular, those who are also members of ASEE BED:

Eileen Haase

Brian Helmke

David Jamison

Karen May-Newman

2. ASEE BED Bi-monthly Newsletter Tidbits

I hope to incorporate a Tidbit in each newsletter. This is just a small tip that you think others might benefit from. It does not necessarily need to be BME education-focused (but can be!), but should at least be something that might help productivity, facilitate professional development, or be of general interest to BED members. Tidbits will be listed in the "Learn" section and attributed to the submitter. To submit a Tidbit, use the process described in the Call for Newsletter Content at the bottom of this newsletter. My goal is that these Tidbits will share useful/practical knowledge and help us get to know more BED members! Please do submit (otherwise, you'll be hearing a lot from me...)!

Participate

1. ASEE BED Mentorship Program

Last call to get involved with the inaugural BED mentorship program! (Link to the survey: https://riceuniversity.co1.qualtrics.com/jfe/form/SV_bPiQrw9LRE1sLLU) Based on previous interest surveys, we will be structuring this as a group style mentoring with 4-5 members per group, with members across experience levels. We envision groups will meet virtually two times a semester, with prompts provided by the program to help get conversations started. If you have any specific ideas/comments/requests, you can put them in the survey or email directly to James Long (james.long@rice.edu) and Jennifer Leight (leight.1@osu.edu) who will be leading the program.

2. Apply for Associate Editor of *Biomedical Engineering Education*

Biomedical Engineering Education, a BMES journal, is seeking applications for the role of Associate Editor. Founded in 2020, Biomedical Engineering Education is an interdisciplinary, international journal, impacting in our dynamic educational community through the publication of articles related to the theory and practice of biomedical engineering education at all academic levels. Renewable for a three-year term, Associate Editors participate in the selection of reviewers and adjudicate decisions regarding submitted manuscripts. To facilitate an inclusive selection process, we are seeking self- and peer-nominations. Associate Editors will be selected from among a diverse group of applicants who are committed to growing and diversifying the biomedical engineering and bioengineering education community and engaging actively with a dynamic editorial team to increase the impact of the journal. Biomedical Engineering Education Please submit an application by October 6, 2023: https://duke.qualtrics.com/jfe/form/SV_3aetRnxBhZex49g

Learn

1. Tidbit: AI Resources

We had a request from a BED member for resources on AI tools. (Unsure how to use them? [You're not not alone](#)). Here are a few that I have recently come across:

- [Prompt engineering for educators – making generative AI work for you](#) article by Danny Liu (such clever ideas in this one!)

- [Artificial intelligence and education at Sydney](#) (lots of resources, it's where the article above came from)
- [Teaching in Higher Ed Podcast: Assignment Makeovers in the AI Age with Derek Bruff](#) (see link to a few essays by Derek Bruff on the topic as well)
- [Freakonomics Podcast: A.I. Is Changing Everything. Does That Include You?](#)

Have others to add? Submit them as a Tidbit!

Submitted by: Sarah I. Rooney, Associate Professor, University of Delaware

2. White Paper: Bringing the Biomedical Engineering Community Together to Develop Its Future Workforce (attached and [online](#))

In June 2023, the Biomedical Engineering Division of the American Society for Engineering Education hosted a special session titled "Bringing the Biomedical Engineering Community Together to Develop its Future Workforce." The session featured 5 panelists, representing government, industry, and academia, and breakout discussions with all attendees. Prompts were provided to guide the conversations. This white paper (attached) summarizes the special session and resulting discussions and presents recommendations for academic leadership, faculty, and curriculum. You are encouraged to continue and evolve the conversation outside the conference; broaden the conversation participants; identify and address the barriers unique to their program; and report on your future progress. This white paper is intended to serve as a catalyst for the conversation and a foundation to identify next steps. Meaningful change will require the coordination of faculty and academic leadership, working in partnership with industry and government representatives. You can now find the white paper on our [ASEE BED website under Papers: https://sites.asee.org/bed/wp-content/uploads/sites/24/2023/09/ASEE-BED-BME-Workforce-Development-White-Paper-2023.pdf](https://sites.asee.org/bed/wp-content/uploads/sites/24/2023/09/ASEE-BED-BME-Workforce-Development-White-Paper-2023.pdf)

3. [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!

4. 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

1. Virginia Tech: Instructor in Biomedical Engineering and Mechanics

Instructor – Bioinstrumentation Laboratory: The Department of Biomedical Engineering and Mechanics (BEAM) at Virginia Tech invites applications for a full-time non-tenure track instructor position to begin in August 2023. Duties will primarily include teaching undergraduate bioinstrumentation laboratory courses in biomedical engineering. Additional opportunities are to teach other undergraduate courses in biomedical engineering based on area of technical expertise and department need. Please visit this [link \(https://careers.pageuppeople.com/968/cw/en-us/job/526910/instructor\)](https://careers.pageuppeople.com/968/cw/en-us/job/526910/instructor) for the opening advertisement. If you have any questions, please contact Dr. Sara Arena (sarena@vt.edu).

2. BMES Meet the Faculty Forum

We invite you to join us for our [Meet the Faculty Forum](#) at the [2023 BMES Annual Meeting](#). We are seeking heads of departments, professors, and recruiting managers looking to hire for research-focused positions. *New this year, we are also opening up the event to those looking to hire for teaching-focused positions.* Candidates that attend this event are actively on the market for the 2023-2024 recruiting cycle and have received their PhD in 2023 or prior. BMES will provide recruiters who sign up to attend with an overview of each candidate before the event. The Meet the Faculty Forum will be held on Wednesday, October 11 from 3-5 p.m. in Seattle, WA. [Submit a form](#) today to attend and recruit!

3. Johns Hopkins University: Teaching Faculty- BME Laboratory Instructor

Teaching Professor Track: Lecturer/Senior Lecturer/Associate Teaching Professor OR Professor of the Practice Track: Associate/Assistant Professor of the Practice. Johns Hopkins University's Department of Biomedical Engineering (BME) is seeking a creative and motivated individual for a teaching track faculty position in BME Laboratory Instruction. The faculty member will co-instruct the department's undergraduate and graduate laboratory courses. This is a full-time teaching track faculty position to instruct students, develop and manage laboratory courses, and mentor students. Applications are to be submitted online at <http://apply.interfolio.com/128195>. Questions can be sent to jdunlea3@jh.edu.

4. Johns Hopkins University: Innovation and Design Teaching Faculty

Teaching Professor Track: Lecturer/Senior Lecturer/Associate Teaching Professor OR Professor of the Practice Track: Associate/Assistant Professor of the Practice. Johns Hopkins University's Department of Biomedical Engineering (BME) is seeking a creative and motivated individual for a teaching track faculty position. The faculty member will co-instruct the department's undergraduate design courses in the BME Design Team Program (<https://www.bme.jhu.edu/academics/bme-design/undergraduate-design-team/>) with an emphasis on developing and supporting biotechnology projects. Applications are to be submitted online at <http://apply.interfolio.com/128198>. Questions can be sent to BMEDesignPrograms@jhu.edu

5. University of Southern California: Lecturer or higher rank in Biomedical Engineering

The Alfred E. Mann Department of Biomedical Engineering (<https://bme.usc.edu/>) in the USC Viterbi School of Engineering (<https://viterbischool.usc.edu/>) at the University of Southern California in Los Angeles, California, seeks applications for a teaching position (Lecturer or higher rank) to teach undergraduate and graduate students in courses. This is a full-time, benefits-eligible, teaching-track faculty position on the non-tenure track. We are seeking candidates to teach at the undergraduate and graduate levels and who can contribute to the diversity and excellence of the USC academic community. Applicants must have a Ph.D. in a relevant field (e.g. biomedical engineering, electrical engineering, mechanical engineering). The selected candidate will be responsible for teaching the undergraduate capstone design course, including developing and managing interactions with industrial and clinical partners for student projects. The candidate will also teach courses on other BME topics including, but not limited to, medical electronics and medical devices for undergraduate and graduate students. Full details and application information can be found on the USC website at: <https://usccareers.usc.edu/job/los-angeles/open-rank-lecturer-of-biomedical-engineering/1209/51797103872>

6. Duke Engineering: Director of Character Forward Initiative

We seek a highly motivated individual who will play a key role in inaugurating the Character Forward Initiative. This initiative represents a collaboration between the Pratt School of Engineering, the Kenan Institute for Ethics, and the Duke Divinity School, aimed at elevating discussions about character in relation to the responsibilities of engineers in tackling pressing

societal issues. The position is joint between the Pratt School of Engineering and the Kenan Institute for Ethics. A successful candidate is expected to collaborate with engineering faculty to address character in their courses in a variety of ways, as well as develop a workshop for engineering faculty that addresses faculty innovation in character through courses and experiential activities. A successful candidate needs to be able to work across disciplines of ethics, philosophy, and engineering.

Candidates should have a PhD in philosophy, theology, engineering education, or related area, or an advanced degree with significant relevant experience integrating ethics and character development into courses. Having technical knowledge or experience working with STEM faculty would be a strong asset. Interested applicants should submit the following information: CV, statement of experience and interest in developing and teaching courses using a character framework, and the names and contact information of three references. Please submit via <https://academicjobsonline.org/ajo/jobs/25665>. Applications received by October 15 will receive full consideration.

Duke University is an Equal Opportunity Employer committed to providing employment opportunity without regard to an individual's age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or veteran status.

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 sirrooney@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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Advising sign-up [link](#)