

Dear BED members:

Turns out you have to actually hit “send” for an email to go anywhere. So....if you haven’t figured out telepathy, then you probably haven’t seen the 3/1 BED newsletter yet ;-)

Some especially notable items: 2023 ASEE Conference Registration and housing is open! Plus, BED program chair-elect Rachel Childers has created a survey to gauge interest and feedback for a new mentorship program – check it out below.

I hope you all are doing well and hanging in there – next time you’ll hear from me it will be OSU’s spring break (not that I’m counting!)

All the best,

Tanya Nocera, BED Division Chair

The Ohio State University



BED Announcements for 3/1/23

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:** 2023 ASEE Conference Registration and Housing is open! [Registration \(asee.org\)](https://asee.org/registration)
3. **CALL FOR PARTICIPATION:** New ASEE BED mentorship program – info gathering: https://osu.az1.qualtrics.com/jfe/form/SV_1U3dnYk41Atufum
4. **CALL FOR PARTICIPATION:** ASEE COMMISSION ON DIVERSITY, EQUITY AND INCLUSION (CDEI)
5. **CALL FOR PARTICIPATION:** ASEE 2023 Board of Directors Election (check your email for the ballot!)
6. **CALL FOR PARTICIPATION:** The Coulter College Program is back (and accepting college team applications for Aug 3-6, 2023 in Minneapolis)! <https://www.bmes.org/coultercollege2023>

BME Education Resources for You

1. **CALL FOR PARTICIPATION:** Biomedical Engineering Education Community (BEEC) <http://beecvirtual.org/>
 - a. **Teaching Tuesdays** (Every Tuesday in Slack!)
 - b. Join the **March Share and Learn** (March 15, 2023, 1-2pm EST)

Position Announcements

1. **POSITION ANNOUNCEMENT:** Multiple Open-Rank Lecturer Positions in the Georgia Institute of Technology Biomedical Engineering Department

2. **POSITION ANNOUNCEMENT:** Postdoctoral fellowship in BME at Georgia Tech researching curricular change.

3. **POSITION ANNOUNCEMENT:** Postdoctoral Researcher Position in Engineering Education at the University of Arizona

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 Tanya Nocera at nocera.15@osu.edu with [BED Announcement] in the subject line to facilitate email sorting. Announcements will be sent out on approximately 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: 2023 ASEE Conference Registration and Housing is open!

Join us at the nation's premiere engineering education conference promoting research, education, collaboration, networking opportunities, and vibrant discussion.

A record 3,440 abstracts (70+ in BED!) have been accepted for the annual conference that will feature more than 400 technical sessions and thousands of authors and speakers, with peer-reviewed papers spanning all disciplines of engineering education. Join the engineering education community at this milestone event!

[Overview](#)

[Schedule At-A-Glance](#)

[Schedule: Session Details](#)

[Registration Information](#)

3. CALL FOR PARTICIPATION: New ASEE BED Mentorship Program

The Biomedical Engineering Division is interested in gathering information about member interest in a mentorship program. **Please fill out the following link by March 15th**: https://osu.az1.qualtrics.com/jfe/form/SV_1U3dnYk41Atufum. We will use this survey to gather information about who is interested and how to structure a program to fit member needs.

4. CALL FOR PARTICIPATION: ASEE COMMISSION ON DIVERSITY, EQUITY AND INCLUSION (CDEI)

- **Chairs update:** Review [CDEI Chair update from Homero Murzi](#) with the key highlights from the commission committees.
- **Share your DEI news:** Send relevant DEI news, activities, and best practices to share on these platforms: Twitter email boerches@lafayette.edu; LinkedIn email bbose@lbl.gov
- **Looking for volunteers** especially in these committees:
 - Outreach, Communications (Spotlight), and Awards
<https://diversity.asee.org/deicommittee/join-a-committee/>
 - Conference Planning and CDEI session moderating

https://www.surveymonkey.com/r/ASEE_CDEI_Conf_planning

- **Check out CDEI:**
 - **LinkedIn:** https://www.linkedin.com/company/asee_cdei/
 - **Twitter** @ASEEDiversity
- **Blog:** <https://diversity.asee.org/deicommittee/blog/>

5. CALL FOR PARTICIPATION: ASEE 2023 Board of Directors Election, ballot open through March 3 2023

Please check your email (subject: "ASEE 2023 Board of Directors Election – Your Ballot) to vote for open Board of Director positions.

Candidate bios and statements are available on the ASEE election webpage:

<https://www.asee.org/about-us/who-we-are/Leadership/Elections/ASEE-2023-Elections>

6. CALL FOR PARTICIPATION: The Coulter College Program is Back! Team applications are due Tuesday 3/14/2023

BMES Coulter College is a training program focused on the translation of biomedical innovations funded through a grant from the Wallace H. Coulter Foundation. The event will be enhanced to offer tailored professional development programming to design faculty participants. Additionally, the event will have several networking opportunities for both design faculty and student participants.

BMES Coulter College will take place from August 3-6, 2023, in Minneapolis, Minnesota. The program will start with a tour of Medtronic and an introductory dinner, followed by two full days of programming, and end with a half day of presentations and awards. More information can be found here: <https://www.bmes.org/coultercollege2023>

For additional questions, please contact Christina Zara at christina@bmes.org

BME Education Resources for You

1. CALL FOR PARTICIPATION: Biomedical Engineering Education Community (BEEC) <http://beecvirtual.org/>

a. Teaching Tuesdays!

Over on the BEEC slack channel, we are having monthly discussions around a different topic.

Come join the conversation! Link can be found on the BEEC website: <http://beecvirtual.org/>

b. March Share and Learn: 3/15/23, 1-2pm EST - brown bag collaborations, share ideas with your colleagues

This Month's Leads: Rebecca Reck, University of Illinois Urbana-Champaign

Prompt: "Alternative Grading"

Where: Zoom – Register
Here <http://beecvirtual.org/beecshareandlearns.html>

Position Announcements

1. POSITION ANNOUNCEMENT: Multiple Open-Rank Lecturer Positions in the Georgia Institute of Technology Biomedical Engineering Department

The Wallace H. Coulter Department of Biomedical Engineering at Georgia Institute of Technology and Emory University has openings for Lecturer positions. Our community of 1,200 undergraduates, 400 graduate students, and more than 150 faculty and staff make us one of the largest and most diverse BME programs in the country. We value and work to improve our educational programs as evidenced by the 2019 Bernard M. Gordon prize.

For this role, we are interested in candidates who contribute to the culture of instructional excellence and ongoing innovation primarily but not solely in our undergraduate

program. We have specifically identified four areas of focus for these positions: (1) fluid mechanics, transport phenomena, and related biological mechanisms and biomedical applications; (2) introduction to human physiology, biological systems physiology, and organ function; (3) engineering design, especially medical devices, FDA regulation, and human-centered design; (4) engineering communication focused on storytelling to support individual development, leadership, and career progress. An extended job ad can be found [here](#). That job ad contains example syllabi for each of the four areas, information about the department, and application instructions. Applications can be submitted [here](#) – please note that we are using an anonymous first round review of candidates and ask that candidates submit blinded documents as described in the extended ad. For inquiries, please contact the BME NTT Search Committee at NTTSearchCommittee@bme.gatech.edu

2. POSITION ANNOUNCEMENT: Postdoctoral fellowship in BME at Georgia Tech researching curricular change.

The STELAR lab in the Georgia Tech Biomedical Engineering Department is hiring for a full-time, multi-year, Postdoctoral Fellowship position focused on researching curricular and cultural change in undergraduate education. We expect the position to focus on research about faculty and departments as they work on creating and implementing curricular innovations as part of a large scale curricular change grant. Specifically, we are engaged in research on how individuals, groups, and units engage in the process of curricular change and how that process interacts with the culture of teaching and learning in the department. The work builds heavily on prior engineering education work on Fidelity of Implementation (c.f., Borrego et al., 2013; Morel et al., 2019).

A strong candidate will have experience working with engineering faculty as a research population as well as experience with both qualitative and quantitative data collection and analysis. Academic and/or professional experience related to the above research areas alongside evidence of research productivity in these areas is strongly preferred. Experience with artifact analysis would also be helpful. Experience with engineering or a similar STEM discipline, especially as it relates to educational norms and discourse, is highly preferred. Candidates are required to have a PhD by their start date. The position carries a yearly stipend of \$60,000. In addition to stipend, the Postdoctoral Fellow will be provided with a moving stipend and reasonable and relevant professional development expenses.

Applicants are asked to submit (1) a one-page cover letter, (2) an up-to-date curriculum vitae, (3) a published academic writing sample pertinent to the role, and (4) a list of contact information for three references. *Note: reference letters are not needed at application.* Application materials should be emailed as a [single PDF](#)

file to: KEENpostdoc@bme.gatech.edu. Review of applications will begin immediately and continue until the position is filled.

3. **POSITION ANNOUNCEMENT: Postdoctoral Researcher Position in Engineering Education at the University of Arizona**

A Postdoctoral Research Associate position is available at the University of Arizona to work on engineering education research in collaboration with an interdisciplinary research team. Expected projects include two NSF-funded projects relating to translating research on asset-based pedagogy into actionable educational practice (with an emphasis on instructor professional development); and makerspace digital badging. Expected responsibilities include:

- Oversee data collection and analysis using survey measures.
- Conduct interviews with undergraduate engineering students. Organize and analyze qualitative data using Software tools (e.g., NVivo, Dedoose).
- Improve existing educational modules related to 3D printing and makerspace technologies.
- Facilitate professional development for engineering instructors.

Qualifications include a proven track record of writing and publishing conference and journal publications and PhD in Engineering or Engineering Education. The selected candidate must have a conferred PhD upon hire. At the University of Arizona, we value our inclusive climate because we know that diversity in experiences and perspectives is vital to advancing innovation, critical thinking, solving complex problems, and creating an inclusive academic community. As a Hispanic-serving institution, we translate these values into action by seeking individuals who have experience and expertise working with diverse students, colleagues, and constituencies.

For more information and to apply, please visit <https://arizona.csod.com/ux/ats/careersite/4/home/requisition/13240>.

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the announcement includes the person to contact with questions. Email all of this information to Aileen Huang-Saad at nocera.15@osu.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>).