

Dear BED members,

Greetings! Happy November! I am always amazed how fall sneaks up on us, thrusting us into the very densely populated holiday months. ***I hope everyone saw the ASEE abstract extension to 11/7 -- so if you haven't had a chance to put together your abstract, there is still time!*** We are excited to see everyone in Baltimore this summer -- Sarah Rooney (Program Chair) and Rachel Childers (Program Chair Elect) have been working hard at putting together an incredible agenda for us.

Please notice a few additions to our newsletter this week - in particular the calls for participation from the ASEE CDEI (Commission for Diversity Equity and Inclusion) Team. There's great opportunities to get involved to share the great work of our BED members and bring new ideas into our community.

Don't forget to look through your emails for the \$50 ASEE Coupon codes -- search for the following phrase in your emails :

ASEE \$50 Coupons for Annual Membership or Annual Conference

I know you all were waiting for those fall pictures from Maine :) Enjoy!

Be well and in peace,

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



BED Announcements for 11/1/22

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 SUBMISSIONS:** ASEE Abstract submissions open 10/3 and close on **11/7**
3. **CALL FOR PARTICIPATION:** ASEE CDEI Team/Committee
4. **CALL FOR PARTICIPATION:** Submit an ASEE CDEI Proposal (due 11/1)
5. **CALL FOR PARTICIPATION:** Submit to share DEI resource/experience (especially blog post)

BME Education Resources for You

1. **ASEE BED PAPER SUBMISSION PROCESS:** The American Society of Engineering Education Biomedical Engineering Division Paper Submission Process Explained Webinar Video
2. **ASEE 2023:** Helpful links and information to support your submission
3. **CALL FOR PARTICIPATION:** Biomedical Engineering Education Community
 - a. *New Teaching Tuesdays* (Every Tuesday in Slack!)
 - b. Save the Date for our **Annual BEEC meeting** (January 12th, 2023)

Position Announcements

1. **POSITION ANNOUNCEMENT:** Assistant Professor of Engineering, Rockhurst University (Kansas)
2. **POSITION ANNOUNCEMENT:** Post Doctoral Fellows, BME Education, Cornell University
3. **POSITION ANNOUNCEMENT:** Tenure Track Faculty Position (focus Engineering Education), Biomedical Engineering, Cornell University
4. **POSITION ANNOUNCEMENT:** Biomedical Engineering Communications Faculty in the Department of Biomedical Engineering and Mechanics (BEAM) at Virginia Tech
5. **POSITION ANNOUNCEMENT:** Tenure-Track Teaching Assistant Professor, Stephenson School of Biomedical Engineering, University of Oklahoma

Engineering Education Research

1. **Theory versus Theoretical Framework versus Conceptual Framework:** What does this mean? How do you use them? How are they different -- great paper below!

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 Aileen Huang-Saad at a.huang@asee.org

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>).

2. **CALL FOR SUBMISSIONS:** ASEE Abstract submissions open 10/3 and close on **11/7**

ASEE 2023 Annual Conference

Baltimore Convention Center, MD. | June 25th-28th, 2023

<https://www.asee.org/events/Conferences-and-Meetings/2023-Annual-Conference>

3. **CALL FOR PARTICIPATION:** Join a CDEI team/committee <https://diversity.asee.org/deicommitee/join-a-committee/>
4. **CALL FOR PARTICIPATION:** Submitting a CDEI proposal (due 11/1) <https://diversity.asee.org/deicommitee/call-for-programming/>
5. **CALL FOR PARTICIPATION:** Submitting to share DEI resource/experience (especially blog posts) <https://docs.google.com/forms/d/e/1FAIpQLSfG1ZhVEHFPNDHWDpiMdx5kfOaUZf0go-JxmBXD9-F6NZ2rBQ/viewform>

BME Education Resources for You

1. **ASEE BED PAPER SUBMISSION PROCESS:** The American Society of Engineering Education Biomedical Engineering Division Paper Submission Process Explained Webinar Video

For those who were unable to join during the live webinar on the ASEE BED submission process, you may refer to the recording link: https://capture.udel.edu/media/Submitting+to+ASEE+BED/1_gl70xgmu. Please feel free to pass along to others in your networks who are interested in biomedical engineering education!

2. **ASEE 2023:** Helpful links and information to support your submission

We look forward to receiving your abstracts by Monday, 10/31. I know you're swamped, and 10/31 is just 3 weeks from today (which is also Halloween). BUT... Remember that abstract submissions are low-stakes, so if you're debating whether to submit this year, just do it! That will give you some time to reevaluate for the draft paper submissions due January 31, 2023. A lot can happen in those 3 months (like completing that data analysis), and you don't want to cut yourself short by not submitting an abstract in the first place. Plus, Inner Harbor, Baltimore in summer is lovely, and we're working on putting together a wonderful conference program for our BED community.

Submit directly on the [NEMO platform](#). Other helpful links as you are preparing your submissions:

[ASEE 2023 Conference Webpage](#), which includes the full submission timeline

[ASEE 2023 Conference Call for Papers](#), where the BED Call for Papers is posted

[ASEE 2023 Conference Author's page](#), which includes the Author's Kit and everything you need to know about how to submit

[ASEE PEER](#) publication repository

[ASEE Biomedical Engineering Division](#) webpage

3. **CALL FOR PARTICIPATION:** Biomedical Engineering Education Community

a. **Teaching Tuesdays!**

Over on our slack channel, we are having monthly discussions around one topic. For the month of October, we will be discussing:

How do you implement problem-based learning in your course?

Hop over to Slack and join the conversation!

b. **Annual BEEC Meeting 2023!**

Exciting news! Our upcoming meeting (January 12th, 2023) will be a little different. We will still host a keynote, but will **focus more on presentations!** Our goal is to have enough presentations to be able to **award three authors** an invitation to go through the peer-review process in the Biomedical Engineering Education Journal (BIEE)! Stay tuned for more details!

Abstract template: [LINK](#)

Position Announcements

1. **POSITION ANNOUNCEMENT:** Assistant Professor of Engineering, Rockhurst University (Kansas)

The Department of Physics and Engineering at Rockhurst University invites applications for a full time, tenure-track Assistant Professor of Engineering position beginning August 1, 2023. Preferred applicants will hold a terminal degree in Engineering in one of two fields: Biomedical Engineering or Mechanical Engineering. Rockhurst University has ABET accreditation in Civil, Mechanical and Electrical Engineering programs and a growing biomedical physics program.

https://www.indeed.com/viewjob?jk=3d6509ea0b0d2151&utm_campaign=google_jobs_apply&utm_source=google_jobs_apply&utm_medium=organic

2. **POSITION ANNOUNCEMENT:** Post Doctoral Fellows, BME Education, Cornell University

Applications are being sought for Postdoctoral Fellows in Engineering Education in the Meinig School of Biomedical Engineering at Cornell University. These Fellows will take a leading role in the design, implementation, and assessment of a transformational pedagogical strategy for Biomedical Engineering curriculum to be tested through remodeling of a 5-course core sequence.

Successful candidates will co-design, implement and evaluate a unique Studio Pedagogy in collaboration with instructional faculty and teaching assistants in partnership with faculty in the Department of Architecture. They will create and implement new integrated classroom training activities, lecture materials, and assessments that will be tested and improved between courses and over semesters. Further, Fellows will design

innovative individualized training resources to complement classroom learning and preparation. They will co-lead educational activities with faculty, teaching assistants and support staff. This rich educational environment will support rigorous engineering education research evaluating student and faculty shifts in learning and teaching. They further will engage with departmental faculty who have established engineering education expertise. Finally, Fellows will participate in Cornell's nationally-recognized community engagement and educational outreach programs.

Position Requirements: • PhD in an engineering or design-related degree earned no earlier than January 1, 2018 • Training in biomedical science, molecular/cellular biology, or related disciplines • Prior experience in modeling, simulation, and/or coding • Prior experience assisting in teaching of engineering courses

Link to ad.: <https://academicjobsonline.org/ajo/fellowship/21746> If potential applicants have questions about the faculty positions, they can reach out to the search committee at cornellbmeseach@cornell.edu

3. **POSITION ANNOUNCEMENT:** Tenure Track Faculty Position (focus Engineering Education), Biomedical Engineering, Cornell University

The Nancy E. and Peter C. Meinig School of Biomedical Engineering at Cornell University invites applications for tenured or tenure-track faculty position in biomedical engineering, with an emphasis on engineering education research. Candidates must have an earned doctorate in engineering, STEM education, or a closely related field, with a demonstrated potential for success as an independent education research investigator and a classroom educator. Responsibilities include the pursuit of a program of scholarly research in Biomedical Engineering Education; teaching courses in Biomedical Engineering; and advising undergraduate and graduate students. We are especially interested in receiving applications from candidates that embrace diversity, equity, and inclusion. Senior candidates with exceptional accomplishments in research, teaching, and graduate student mentorship are encouraged to apply. Junior candidates must show outstanding research and potential for excellence in teaching and graduate student mentorship. Salary and rank are commensurate with qualifications and experience.

Link to ad.: <https://academicjobsonline.org/ajo/jobs/22905> If potential applicants have questions about the faculty positions, they can reach out to the search committee - Chris Schaffer or Jonathan Butcher at cornellbmeseach@cornell.edu

4. **POSITION ANNOUNCEMENT:** Biomedical Engineering Communications Faculty in the Department of Biomedical Engineering and Mechanics (BEAM) at Virginia Tech

We invite applications for a full-time non-tenure track faculty position at the instructor or collegiate assistant professor level, effective August 2023, in areas related to technical communication, professional development of undergraduate students, and engineering pedagogy. We seek candidates motivated to contribute to

a collegial, interdisciplinary community with a strong tradition of high-quality teaching, student engagement, and mentoring. For more information or to apply, please visit:
<https://careers.pageuppeople.com/968/cw/en-us/job/521992/communications-faculty>

5. **POSITION ANNOUNCEMENT:** Tenure-Track Teaching Assistant Professor, Stephenson School of Biomedical Engineering, University of Oklahoma

The Stephenson School of Biomedical Engineering (SBME) in the Gallogly College of Engineering at the University of Oklahoma seeks applicants for a full-time tenure-track Assistant Professor of Biomedical Engineering with teaching emphasis. SBME encourages applications from all interested and qualified parties. The mission of the Stephenson School is to educate the next generation of biomedical engineers and to create new technologies that advance human health, and this position is aligned with the Educational Pillar of the SBME Strategic Plan. The targeted start date is August 2023. Applicants are invited at <https://apply.interfolio.com/115373>. Review of applications will begin on November 30, 2022. Inquiries may be sent to the search committee chair: Dr. Michael Detamore, Director and Professor of Biomedical Engineering, University of Oklahoma, detamore@ou.edu.

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7.

Engineering Education Research Resources

1. **Theory versus Theoretical Framework versus Conceptual Framework:** Kivunja, C. (2018). Distinguishing between theory, theoretical framework, and conceptual framework: A systematic review of lessons from the field. *International Journal of Higher Education*, 7(6), 44-53.

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 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>).