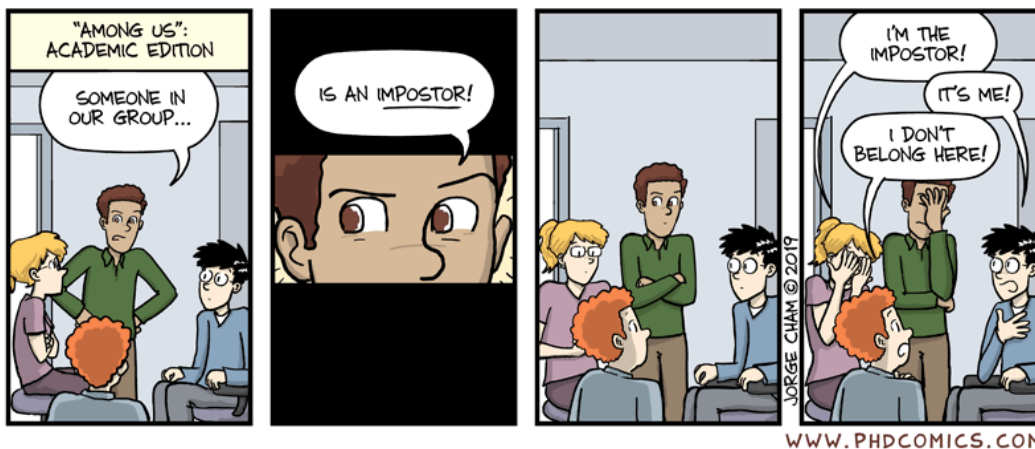


Dear BED members,

Thanks for an incredible 2021 ASEE BED Virtual Conference! As promised -- here's our inaugural ASEE BED Newsletter. Thanks to the support of the ERM division, we are adopting their format for bimonthly communication. I look forward to increasing the communication within our community. Please feel free to share and encourage your colleagues to [join our ASEE BED](#) division so that they also get access to this great information.

The strength of this newsletter will be determined by the community - please remember to send me information you would like to share with the community -- suggestions and comments re content and format are strongly encouraged (*directions on how to send info is at the end of this newsletter*).

Be well and in good health!  
Aileen Huang-Saad, BED Division Chair  
The Roux Institute, Northeastern University



### **BED Announcements for 08/01/21**

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

1. **ASEE ANNOUNCEMENTS:** ASEE 2022 - Minneapolis, Minnesota
2. **CALL FOR MEMBERSHIP:** ASEE BED
3. **CALL FOR PARTICIPATION:** miniBEEC 2021
4. **CALL FOR PARTICIPATION:** Inaugural BEEC Share and Learn
5. **CALL FOR MEMBERSHIP:** BEEC (Biomedical Engineering Educator Community)
6. **CALL FOR PAPERS:** Biomedical Engineering Education (Springer), Improving Justice, Equity, Diversity, and Inclusion in BME

### ***BME Education Resources for Your Students***

1. **WHAT IS BME?:** The BME Grad Podcast (new podcast every 2 weeks)

### ***Position Announcements***

1. **POSITION ANNOUNCEMENT:** Chair, Biomedical Engineering, Carnegie Mellon
2. **POSITION ANNOUNCEMENT:** Post Doc, Engineering Education, Michigan State

### 3. INTERNATIONAL FACULTY EXPERIENCE: Faculty, Rice University

#### *Engineering Education Research Resources*

1. **DIVING INTO ENGINEERING ED RESEARCH:** [Streveler RA, Smith KA. Conducting Rigorous Research in Engineering Education. J Eng Educ.2006;\(April\):103–5.](#)
2. **POTENTIAL FUNDING OPPORTUNITY:** PFE: Research Initiation in Engineering Formation (PFE: RIEF) (Due: November 9)

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#### *General Announcements*

1. **ASEE ANNOUNCEMENTS:** ASEE 2022 - Minneapolis, Minnesota

With ASEE 2021 behind us, we are quickly pivoting to planning for ASEE2022, which we hope will be in person. If you are considering submitting an abstract -- please note that abstract deadlines will likely be EARLIER than past years because ASEE will be shifting platforms for the review process. We will announce the new deadlines as soon as they are available.

2. **CALL FOR MEMBERSHIP:** ASEE BED

This year, we are looking to expand our membership - students, faculty, and industry partners. There's no better time than now to consider joining the [ASEE Biomedical Engineering Division](#). You will get access to these fabulous bimonthly newsletters and join this growing community as we seek to grow the strength and impact of biomedical engineering education, along all dimensions from practice to research. Consider supporting ASEE BED with your [membership](#). Membership is only \$89/year for ASEE professional online and \$5 for BED membership. Student membership (online) is only \$10 and \$5 for BED membership. We also have discounted membership for retirees (\$40).

3. **CALL FOR PARTICIPATION:** mini BEEC 2021

**Time:** *August 10th and August 17th 2 - 4PM EST*

**This year's miniBEEC has a new format!**

This event will be a workshop style meeting with the goal of tackling in groups a challenging problem and create new collaborations. The topic will be "*Pivoting from COVID - building community and empathy in a new environment.*"

**Registration:** <https://bit.ly/miniBEEC>

4. **CALL FOR PARTICIPATION:** Inaugural BEEC Share and Learn

***Our Inaugural BEEC Share and Learn:***

**What:** Brown bag collaborations, brainstorming, and share ideas with the community!

**September's Lead:** Nicole Ramo, PhD, West Chester University

**Prompt:** "Looking Collaborators for Large Scale Student Perceptions of BME Research"

**Where:** Zoom

**Register Here:**

<https://osu.zoom.us/meeting/register/tJYocuytqDwtG9QIVbkYBbjv5NJL-NzbnQEn>

**When:** September 15th, 12pm-1pm EST

Interested in leading one of these discussions? Fill out the interest survey: [https://bit.ly/BEEC\\_SL](https://bit.ly/BEEC_SL)

5. **CALL FOR MEMBERSHIP:** BEEC (Biomedical Engineering Educator Community)  
*Consider Joining the [BEEC Community](#): The BEEC's purpose is to provide a continuous platform for collaboration and sharing of evidence-based teaching resources in the BME community.*

Mailing List: [https://bit.ly/BEEC\\_Subscribe](https://bit.ly/BEEC_Subscribe)

SlackChannel: [https://join.slack.com/t/beecgroup/shared\\_invite/zt-gg6n5hn5-YW3y39130~P1W2fw88kiDw](https://join.slack.com/t/beecgroup/shared_invite/zt-gg6n5hn5-YW3y39130~P1W2fw88kiDw)

6. **CALL FOR PAPERS:** [Biomedical Engineering Education, Improving Justice, Equity, Diversity, and Inclusion in BME](#)

After a strong start to *Biomedical Engineering Education* in 2020, the journal is excited to announce a special call for papers that focus on improving justice, equity, diversity, and inclusion (JEDI) in biomedical engineering. As the past year has clearly shown, the marginalization and barriers to equity and inclusion faced by some members of our community must be addressed. As universities around the country refocus their efforts on JEDI, this special call will capture activities, assessment, programs, and curricular innovations that impact biomedical engineering education at the undergraduate, graduate and faculty levels.

Rapid, editorial review of abstracts available for feedback (*email abstracts to [bmee.jedi@gmail.com](mailto:bmee.jedi@gmail.com)*).

**Important Deadlines**

Submission of abstracts (300-500 words in length)

August 20, 2021

Notification of editorial feedback on abstracts

September 20, 2021

Submission of manuscript

January 20, 2022

***BME Education Resources for Your Students***

1. **WHAT IS BME?:** The BME Grad Podcast (new podcast every 2 weeks)

Biomedical Engineer' isn't often a job title - but there are tons of jobs for biomedical engineering grads. Two recent grads from the Joint Department of Biomedical Engineering at UNC and NC State and their professional network explore first jobs and the job search for BMEs. New episode every 2 weeks!

***Position Announcements***

1. **POSITION ANNOUNCEMENT:** Head of the Department of Biomedical Engineering (BME) at Carnegie Mellon

The Carnegie Mellon University College of Engineering announces a worldwide search for the next Head of the Department of Biomedical Engineering (BME).

An accomplished academic leader is sought to provide strategic vision and outstanding operational management, to oversee high-quality research and educational programs, and to guide the BME community to the next level of accomplishment and impact. The department has 20 core faculty members, 44 affiliated faculty members, and 16 adjunct faculty members including physicians who facilitate clinical opportunities in the Pittsburgh region. Its research portfolio is highly interdisciplinary and includes as focus areas biomaterials and nanotechnology; cell and tissue engineering; biomedical imaging and signal processing; medical devices and robotics; and neuroengineering.

Carnegie Mellon committed to increasing the diversity of its community on a range of intellectual and cultural dimensions. Carnegie Mellon welcomes faculty applicants who will contribute to this diversity through their research, teaching and service.

Additional information about the position and the department may be found in the attached position announcement. Interested candidates should submit applications electronically at <http://apply.interfolio.com/89984>. E-mail inquiries concerning this position may be sent to the Search Committee at [BMEhead-Search@andrew.cmu.edu](mailto:BMEhead-Search@andrew.cmu.edu). Review of applications will begin on August 15, 2021 and will continue until the position is filled.

## **2. POSITION ANNOUNCEMENT:** Post Doc, Engineering Education, Michigan State

Seeking a postdoctoral associate to support the development of research initiatives in engineering education. Dr. Michele Grimm joined Michigan State as the Wielenga Creative Engineering Endowed Professor in January 2019. She is hoping to partner with an enthusiastic postdoctoral associate to identify and implement research opportunities related to engineering education. The position will provide the postdoctoral associate the chance to develop and conduct research related to student success and educational pedagogies, brainstorm and assist with the implementation of impactful pedagogies, and develop a personalized professional development plan to support his or her career advancement.

The Wielenga Creative Engineering Endowed Professorship was established in the Department of Mechanical Engineering to support efforts to increase student success and reduce time to degree for engineering students. The goal is to develop new ideas, in particular those that employ technology to support student learning, through the creative design process with the end objective of improving student learning, enhancing student success, and reducing the time from matriculation to graduation.

For more information, please contact Dr. Michele Grimm at [mgrimm@msu.edu](mailto:mgrimm@msu.edu). Applications must be submitted through the Michigan State jobs portal ([jobs.msu.edu](http://jobs.msu.edu) – posting # 63253).

## **3. INTERNATIONAL FACULTY EXPERIENCE:** Faculty, Rice University

NEST 360 (based out of Rice University) is seeking a cohort of 10 US-based engineering faculty who will commit to partnering with an African-based engineering school to build capacity in engineering design education and active learning Principles.

Faculty will travel once or twice a year to selected sub-Saharan African universities to teach engineering education workshops. Following a 2-day training in 2021, faculty will be paired to a school and begin work in 2022. Questions? Contact: Ann Saterbak ([ann.saterbak@duke.edu](mailto:ann.saterbak@duke.edu)) or Matthew Wettergreen ([mwettergreen@rice.edu](mailto:mwettergreen@rice.edu))

### ***Engineering Education Resources***

- 1. DIVING INTO ENGINEERING ED RESEARCH:** [Streveler RA, Smith KA. Conducting Rigorous Research in Engineering Education. J Eng Educ.2006;\(April\):103–5.](#)

2. **FUNDING OPPORTUNITY:** [PFE: Research Initiation in Engineering Formation \(PFE: RIEF\)](#)  
(Due: November 9)

The PFE: Research Initiation in Engineering Formation (PFE: RIEF) program has two goals: 1) Support research in the Professional Formation of Engineers (PFE), and 2) Increase the community of researchers conducting PFE research. PIs are expected to have little or no experience conducting social science or education research. PFE: RIEF is not intended for established researchers in engineering education or other social science fields to initiate new projects. Those researchers should consider the Research in the Formation of Engineers program ([https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505681](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505681)).

The NSF Engineering (ENG) Directorate has launched a multi-year initiative, the Professional Formation of Engineers, to create and support an innovative and inclusive engineering profession for the 21st Century. Professional Formation of Engineers (PFE) refers to the formal and informal education and value systems by which people become engineers. It also includes the ethical responsibility of practicing engineers to sustain and grow the profession. The engineering profession must be responsive to national priorities, grand challenges, and dynamic workforce needs; it must be equally open and accessible to all.

Engineering faculty possess both deep technical expertise in their engineering discipline and the primary responsibility for the process of professional formation of future engineers. As such, engineering faculty are in a unique position to help address critical challenges in engineering formation. The Professional Formation of Engineers: Research Initiation in Engineering Formation (PFE: RIEF) program enables engineering faculty who are renowned for teaching, mentoring, or leading educational reform efforts on their campus to develop expertise in conducting engineering education research.

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 this information to Aileen Huang-Saad at [a.huang-saad@northeastern.edu](mailto: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>).