

Dear BED members,

Happy end of summer! I hope you were able to have a restful and fulfilling summer! Here we are with another school year ahead of us and an exciting agenda for the new year. We have a lot to celebrate this summer. We were finally able to convene again in person for ASEE and it was wonderful to connect with new friends where we explored new ways of building community, including our first in person “speed-networking” session. It was so great to meet so many new colleagues - welcome!

In this edition of our newsletter, I have included the members of our 2022-23 ASEE BED Executive Committee. ***Feel free to connect with any and all of us if you have feedback or ideas you want to share with the committee -- you can also reach us as a collective through this email: aseebed2022-23@umich.edu.*** We are excited to grow our membership over the next year and evolve our partnership with the growing communities supporting the important, scholarly work of Biomedical Engineering/Bioengineering Education. In fact, we have created a great PDF of BIOMED/BIOE Scholarly Outlets and Communities for you to have on hand as you think about how to get more involved with the broader community. Please feel free to share with your department, colleagues, and network. Please do in fact !

Finally, do not forget to forward content for the bi-monthly newsletter!

Enjoy the next few weeks before the chaotic, yet invigorating, academic year kicks off.

Be well and in peace,

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

BED Announcements for 8/15/22

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

- 1. CALL FOR NEWSLETTER CONTENT:** ASEE BED Bi-monthly Newsletter

BME Education Resources for You

- 1. 2022-23 ASEE BED Executive Committee**
- 2. CALL FOR PARTICIPATION:** ASEE Essentials of Effective Instruction – September 7, 9, 14, & 16, 2022
- 3. COMMUNITY RESOURCE:** BME SCHOLARLY OUTLETS pdf

Position Announcements

- 1. POSITION ANNOUNCEMENT:** Emmitt Memorial Professor of Instruction, Department of Biomedical Engineering, Bucknell University
- 2. POSITION ANNOUNCEMENT:** Innovation and Design Lecturer, Department of Biomedical Engineering, Johns Hopkins University

Engineering Education Research

- 1. SATURATION IN QUALITATIVE RESEARCH:** Saunders B, Sim J, Kingstone T, Baker S, Waterfield J, Bartlam B, et al. Saturation in qualitative research: exploring its conceptualization and operationalization. Qual Quant. 2018;52(4):1893–907.

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-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>).

BME Education Resources for You

1. 2022-23 ASEE Executive Committee

Name, Contact Information	Institution	Position
Aileen Huang-Saad Associate Professor a.huang-saad@northeastern.edu (207)553-3925	Northeastern University	Past Chair
Tanya Nocera Associate Professor – Clinical nocera.15@osu.edu (614) 292-4753	The Ohio State University	Division Chair
Sarah Rooney Associate Professor sirooney@udel.edu (302)831-4778	University of Delaware	Program Chair
Rachel Childers Associate Professor of Practice Childers.73@osu.edu (614) 247-6681	The Ohio State University	Program Chair-Elect
Alexis Ortiz-Rosario Assistant Professor of the Practice ortiz-rosario.1@osu.edu (614) 688-1776	The Ohio State University	Treasurer
Jennifer Choi Associate Professor of Teaching jhkchoi@ucdavis.edu (530) 752-9436	University of California, Davis	Awards Chair

Joseph D. Towles Associate Professor joseph.towles@swarthmore.edu (312)622-1933	Swarthmore College	Secretary/Webmaster
Yanfen Li Assistant Teaching Professor Yanfen_Li@uml.edu (978)934-3299	University of Massachusetts Lowell	Events Chair
Casey Ankeny Associate Professor of Instruction casey.ankeney@northwestern.edu (847) 467-7435	Northwestern University	Member-at-Large Term ending 2023
Nicole Ramo Instructional Fellow NRamo@wcupa.edu	Westchester University	Member-at-Large Term ending 2024
Christine King Assistant Professor of Teaching kingce@uci.edu (845)729-7485	University of California Irvine	Member-at-Large Term ending 2025

2. CALL FOR PARTICIPATION: Essentials of Effective Instruction – September 7, 9, 14, & 16, 2022

Calling all engineering faculty! Don't miss Essentials of Effective Instruction, a hands-on, instructor-led program that will provide you with knowledge and tools to improve your own real-world course and apply evidence-based instructional strategies that foster student learning and success. Registration is \$750 for ASEE Members. [Register today](#).

ASEE Learning offers several other [instructor-led courses](#) with topics including: job readiness, career development and leadership, teaching and instruction, proposal preparation, mitigating implicit bias, and more. Contact learning@asee.org for more information.

4. BME SCHOLARLY OUTLETS pdf There has been a significant growth in resources for individuals interested in becoming more involved in BME education communities. We have created a pdf (attached to the newsletter) and included a screenshot here. Please feel free to share and spread the word!

Biomedical/Bioengineering Education

SPRINGER/BMES

[HTTPS://WWW.SPRINGER.COM/JOURNAL/43683](https://www.springer.com/journal/43683)

Biomedical Engineering Education

Biomedical Engineering Education is an interdisciplinary, international, **peer reviewed journal** that presents articles on the practice and scholarship of education in bioengineering, biomedical engineering, and its allied fields.

ASEE

[HTTPS://SITES.ASEE.ORG/BED/](https://sites.asee.org/bed/)

Biomedical Engineering Division

The American Society for Engineering Education Biomedical Engineering Division (ASEE BED) provides a vital forum for those interested in biomedical engineering education through **networking, workshops, paper sessions, and panel discussions** presented at the annual conference. All papers are peer reviewed and copyrighted.

BEEC

[HTTP://BEECVIRTUAL.ORG/](http://beecvirtual.org/)

Biomedical Engineering Education Community

A grassroots, growing community of educators in the Bioengineering/Biomedical Engineering field. The BEEC's purpose is to provide a **continuous platform for collaboration** and sharing of evidence-based teaching resources in the BME community via slack, virtual share-and-learn workshops, and an annual online meeting.

BIOMEDICAL ENGINEERING SOCIETY

[HTTPS://WWW.BMES.ORG](https://www.bmes.org)

BMES

The *Biomedical Engineering Society (BMES)* is the professional society for biomedical engineering and bioengineering and serves as the lead society and professional home for biomedical engineering and bioengineering. Along with engineering/scientific tracks, the October Annual Meeting includes an Education Track for **abstract submissions and multiple networking opportunities**. BMES also offers educational webinars and has three educationally focused committees for member involvement: the Education Committee, the Ethics Committee, and the Accreditation Activities Committee.



Position Announcements

1. **POSITION ANNOUNCEMENT:** Emmitt Memorial Professor of Instruction, Department of Biomedical Engineering, Bucknell University

The Biomedical Engineering (BME) Department at Bucknell University invites applications for the inaugural Emmitt Memorial Professor of Instruction to begin August 2023. The initial position is for three years, with regular reappointments and opportunities for advancement along this track. With this new position, Bucknell's Biomedical Engineering Department is seeking a faculty colleague passionate about innovation in undergraduate BME education. We expect to hire at the assistant professor level but are open to considering outstanding candidates at other ranks. This

position is ideal for candidates interested in a teaching-focused career in academia with an emphasis on undergraduate instruction, curriculum development and innovation, student engagement, and departmental and college community. This 9-month, teaching professor position includes a 6 course teaching load split over two semesters, with additional expectations of new course development, departmental contributions, college and university service and undergraduate student advising. A candidate interested in pursuing enhanced service, administrative, or leadership opportunities at Bucknell could seek a reduction in teaching load in consultation with the department chair (contingent upon the needs of the department).

This new colleague would join a top-ranked, highly selective undergraduate biomedical engineering department with small class sizes (< 24 students) that facilitates close student-faculty interaction in an inclusive, hands-on, and interactive learning community. We seek individuals with enthusiasm for undergraduate classroom and laboratory teaching that incorporates evidence-based pedagogy and inclusive and active learning techniques. The ideal candidate would have teaching abilities in multiple areas to support a biomedical engineering curriculum containing courses in bioinstrumentation, signals and systems, biomechanics, materials, biostatistics, computing, fluid mechanics, heat and mass transfer, and medical device design. Individuals with a strong desire to develop innovative student experiential learning activities and broaden students' perspectives through curricular or co-curricular activities are especially encouraged to apply. In addition, candidates would be encouraged to intellectually engage with the broader biomedical engineering education community at the local and national level, e.g., attending ASEE and BMES conferences. Financial support for professional development activities, such as conferences and workshops, is included in the position.

A successful candidate must be ABD or have a Ph.D. in biomedical engineering or a closely related discipline at time of appointment. Clear evidence of the potential for teaching excellence is essential, and a strong interest in continued professional development is expected. The candidate should demonstrate a commitment to working successfully with a diverse student body, utilizing inclusive pedagogies, and fostering highly collaborative environments. Applications will only be accepted online through Bucknell's career site (careers.bucknell.edu). The full position description and application requirements will be accessible online starting on August 1, 2022 after which applications will be accepted. Applications will be reviewed beginning on November 1, 2022 until the position is filled. Please contact Dan Cavanagh in Bucknell BME regarding any questions (dcavanag@bucknell.edu).

2. **POSITION ANNOUNCEMENT:** Innovation and Design Lecturer, Department of Biomedical Engineering, Johns Hopkins University

We are looking for someone to join our Teaching Team for our undergraduate program Design Teams, at the Johns Hopkins Biomedical Engineering Department! The course is unique since it is vertically integrated (from fresh people to seniors), students enjoy the benefit of working in the Johns Hopkins clinical ecosystem, and we have new components of design and anthropology coming into play. Today we are three instructors who do team teaching, we lead teams using group and desk critiques, and we have an amazing design studio for our students to work. We would love to invite someone that enjoys teaching to join our team! One of our instructors is taking an administrative role so we have to fill that gap in instruction time. If you believe in education, if you enjoy thinking about ways to make better healthcare experiences, and making students prepared to solve real-world issues, please come join our team! You can reach out to Constanza, Elizabeth or Nick if you have any questions! The application link is here <http://apply.interfolio.com/109133>

Engineering Education Research Resources

1. **SATURATION IN QUALITATIVE RESEARCH:** [Saunders B, Sim J, Kingstone T, Baker S, Waterfield J, Bartlam B, et al. Saturation in qualitative research: exploring its conceptualization and operationalization. Qual Quant. 2018;52\(4\):1893–907.](#)

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