



ACADEMIC SPONSORSHIP & EXHIBIT OPPORTUNITIES



Questions?

Contact us at Exhibits@bmes.org

October 11-14, 2023
Seattle Convention Center | Seattle, WA

2023 CO-CHAIRS WELCOME LETTER

The 2023 BMES Annual Meeting Co-Chairs are thrilled to invite you to this year's meeting!

From October 11-14, 2023, in the vibrant city of Seattle, Washington, we will gather for networking, education, and continued growth in the Biomedical Engineering field. The BMES Annual Meeting is a premier event centered around topics and discussions specific to our community. The theme of this year's meeting is focused on the convergence of three pillars essential to our field's success: **Science, Technology, and Social Transformation**. Our vision is to center the perspective that the future of Biomedical Engineering requires open and curious evaluation of complex scientific challenges while candidly considering intersectionality and social factors. Through creative programming, we will ensure that these three pillars are interwoven into all aspects of the meeting.

We will also prioritize ways to improve accessibility and inclusion, re-imagining ways to build a sense of community by leveraging this meeting. We plan to continue offering quality diversity and inclusion events and highlight the importance of social transformation through plenary talks and platform session lectures. In addition, we aim to normalize education and conversations about barriers that members of our community face. As in previous years, we look forward to celebrating the accomplishments of individuals who have significantly impacted the Biomedical Engineering community by rewarding their achievements on-site. As details on awards become available, we ask you to nominate someone who inspires you.

We cannot wait to share the 2023 BMES Annual Meeting with you as we re-imagine biological, technological, and societal solutions for engineering human health.

See you in Seattle!

Meeting Co-Chairs



Stacey Finley, PhD
University of
Southern California

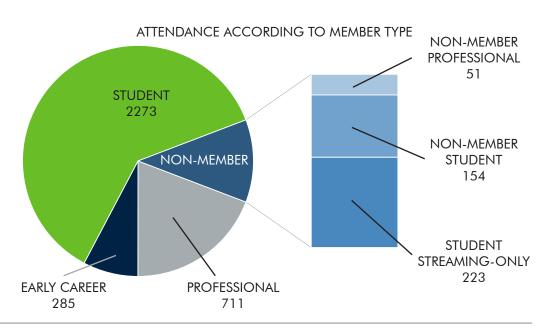


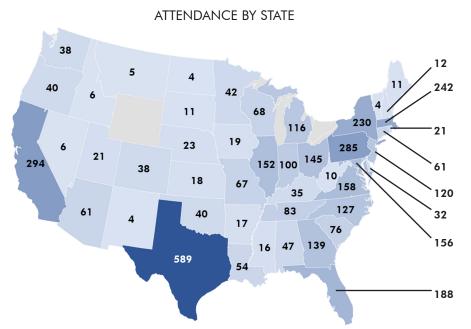
Brendan Harley, ScD University of Illinois at Urbana-Champaign

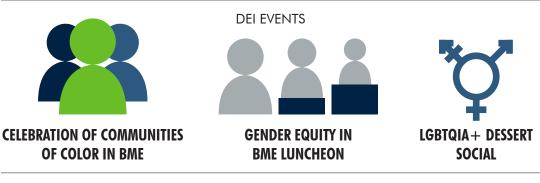


Kelly Stevens, PhDUniversity of Washington

2022 BMES ANNUAL MEETING STATISTICS







ATTENDANCE

763
ORAL SESSIONS

2,80
POSTER SESSIONS

3,393
3,595

WELCOME RECEPTION

49%

SELF-IDENTIFIED AS UNDERREPRESENTED MINORITIES

47%

SELF-IDENTIFIED AS FEMALE

10%

SELF-IDENTIFIED AS LGBTQIA+

SPONSOR BREAKDOWN

3 PLATINUM

5 GOLD

10 SILVER

15 DEI

TOTAL SPONSORS & EXHIBITORS

156

BMES BASH



DIVERSITY EVENT SPONSORSHIP OPPORTUNITIES

This is the third year that the BMES Diversity Committee will host three events to shine a light on the importance of diversity, equity, and inclusion in BME. Admission to these events is limited and guaranteed to sell out again.

GENDER EQUITY IN BME LUNCHEON

Luncheon to discuss priorities of the BMES Diversity Committee on how to reach and support gender equity in the field. Sponsor acknowledged at the event with Committee Co-chairs and State of the Society Plenary with BMES President and Annual Meeting Co-chairs.

LGBTQIA+ AND FRIENDS DESSERT RECEPTION

An opportunity for members and allies of the LGBTQIA+ community to discuss trends and topics related to the field to support and uplift one another while enjoying desserts. Sponsor acknowledged at the event with Committee Co-chairs and State of the Society Plenary with BMES President and Annual Meeting Co-chairs.

CELEBRATION OF COMMUNITIES OF COLOR IN BME LUNCHEON

Luncheon to discuss priorities of the BMES Diversity Committee on how to support, celebrate, and uplift this community in the field. Sponsor acknowledged at the event with Committee Co-chairs and State of the Society Plenary with BMES President and Annual Meeting Co-chairs.

*Please note that due to limited capacity, BMES will charge a fee of \$15 for dessert tickets and \$25 for lunch tickets to ensure that attendees who RSVP attend.

DIVERSITY EVENT SPONSORSHIP LEVELS

Each of the three events listed above has multiple levels of sponsorship.

Champion - \$10,000 (1 per event)

Champion sponsorship includes:

- 2 minutes at the start of the event to address in-person attendees
- Leaving up to two (one-sided) handouts on chairs vetted and approved by BMES (Sponsor will be responsible for printing and distribution)
- Logo recognition on signage at the event
- Logo placement on the BMES website and app
- Five event tickets to use at your discretion

Advocate - \$5,000 (2 per event)

Advocate sponsorship includes:

• Leaving one (one-sided) handout on chairs vetted and approved by BMES (Sponsor will be responsible for printing and distribution)



Advocate - \$5,000 (continued)

- Logo recognition on signage at the event
- Logo placement on the BMES website and app
- Two event tickets to use at your discretion

Supporter - \$1,000

Supporter sponsorship includes:

- Logo recognition on signage at the event
- Logo placement on the BMES website and app

DIVERSITY EVENT DONATION SPONSORSHIP

Friend - \$100

Friend sponsors provide the opportunity for two (2) meeting attendees who could not get tickets to participate in one of these events. Tickets will be donated to BMES to hand out at the door on a first-come, first-served basis. Friend sponsorship includes logo placement on the BMES website and app.

A LA CARTE SPONSORSHIP OPPORTUNITIES

Partner with BMES as a sponsor or exhibitor at BMES 2023 and reach 4,000+ BME professionals and students. We offer many ways to expand your pool of potential customers, including:

Booth space to interact with attendees, an exhibit hall Smart Stage session to demo equipment or highlight your technology, and multiple advertising opportunities.

NEW: BMES Smart Stage - \$2,500/session (multiple available)

Highlight your product or service with a 30-minute presentation on our exhibit hall Smart Stage. A podium, A/V, and seating will be provided. This opportunity is available during exhibit hall hours. There are three days to choose from: Thursday, Friday, or Saturday.

NEW: Coffee Break - \$2,500/break (multiple available)

Learning is hard work, and people need a break. Be a hero by helping us provide more coffee while gaining premium exposure by offering attendees that much-needed cup of coffee to stay energized throughout the day. Coffee breaks are provided in the exhibit hall. There are three days to choose from: Thursday, Friday, or Saturday. As a thank you for your sponsorship, we will:

- Place your logo on signage for recognition
- Display your logo on the app
- Send an app push notification promoting the break

A LA CARTE SPONSORSHIP OPPORTUNITIES (continued)

Welcome or Closing Reception - \$10,000 (multiple available)

Help create memories that will last a lifetime by sponsoring some fun downtime with the BMES opening or closing reception. The events, held respectively on Wednesday and Friday evening, will allow people to make connections before the meeting is in full swing and a second opportunity to further network with attendees after a few days of educational sessions. As a thank you for your sponsorship, we will:

- Place your logo on signage at the event for recognition
- Acknowledge your sponsorship on that day's plenary deck

Hotel Room Key - \$10,000 (one available)

Every attendee sees the room key first thing in the morning, last thing at night, and every other time they enter their hotel room. Placing your logo on it will reinforce your brand and ensure repeat brand awareness each time they access their room at the headquarters hotel.

Industry Mixer - \$5,000 (multiple available)

This sponsorship opportunity historically sells out at the opening of registration, making it one of the most popular events at the meeting for BMES student members — who represent 75% of attendees. This social is designed to give our members an opportunity to network with you and your company so they can learn more about the opportunities in the non-academic world. Due to the volume of attendance, we require two representatives from each company to host their table, where small networking groups will rotate to speak with you about your career trajectory, company profile, and more.

As a thank you for your sponsorship, we will:

- Place your logo on signage at the event for recognition
- Acknowledge your sponsorship on that day's plenary deck
- Put a sign on your table with your company name/logo

Headshot Station - \$5,000/day (four available)

This was the hottest spot to be at during BMES 2023! Whether attendees want a professional headshot or a new profile picture, there will be two professional photographers available to take their photos. With lines of folks waiting for their turn, your brand is sure to get maximum exposure in this high-traffic area located near registration. There are four days to choose from: Wednesday, Thursday, Friday, or Saturday. As a thank you for your sponsorship, we will:

- Place your logo on signage for the station for recognition
- Acknowledge your sponsorship on that day's plenary deck



A LA CARTE SPONSORSHIP OPPORTUNITIES (continued)

Wi-Fi Sponsor - \$5,000/day (three available)

Every attendee will use our free meeting Wi-Fi, so why not use this as a recruitment opportunity and increase your brand visibility though the login screen when they connect? There are three days to choose from: Thursday, Friday, or Saturday.

BMES Photo Letters Sponsor - \$4,000/day (four available)

The giant B-M-E-S letters, which debuted in 2021, get placed in a prominent location near registration, where hundreds of attendees use the opportunity to take pictures with their colleagues, labs, and friends and post them on social media. Each day is co-sponsored by BMES, so your company logo will face the letters and serve as the photo backdrop. The reverse side, facing away from the letters, will have the BMES logo. There are four days to choose from: Wednesday, Thursday, Friday, or Saturday.

• The photo backdrop will prominently showcase your logo to attendees for a day



Hosted Reception - \$2,000 (multiple available)

Reserve event space to host your own reception during one of our most popular networking opportunities. The Hosted Receptions are the perfect time to meet with new and past colleagues and prospects alike. Benefits include the event space only. Sponsors are required to purchase their own food and beverage through the hotel as well as make any arrangements for audio, visual, or other needs. As a thank you for your sponsorship, we will:

• Promote the room and location of your event in the app



ACADEMIC EXHIBIT PACKAGES

EXHIBIT INFORMATION

IMPORTANT NOTE: Additional information will be included in the Exhibitor Kit. We will reach out and share it with you once we receive it. We expect to have this in the coming months, but in the meantime, know that the Exhibitor Kit will have information regarding: furniture and carpet rental, advance shipping, exhibit hall rules and regulations, audio-visual, electrical, and internet ordering.

EXHIBIT HALL HOURS

WEDNESDAY

(Welcome Reception) 6:00 p.m. - 7:30 p.m.

THURSDAY

8:00 a.m. - 11:00 a.m. 1:30 p.m. - 4:30 p.m.

FRIDAY

8:00 a.m. - 11:00 a.m. 1:30 p.m. - 4:30 p.m.

SATURDAY

8:00 a.m. - 12:30 p.m.

EXHIBITOR MOVE IN/SETUP

Wednesday by 5:00 p.m.

BREAKDOWN/MOVE OUT

Saturday after 2:00 p.m. ONLY

Please note that exhibit hall hours are subject to change. Please continue to check the BMES webstie for the most updated program information and timing adjustments.

EXHIBIT BOOTHS – ACADEMIC RATES

10' x 10'	\$2,500
10' x 20'	\$3,500
10′ x 30′	\$5,000
20' x 20'	\$6,750

Every in-person 10' x 10' booth includes:

- Two (2) full conference registrations
- Pipe and drape
- One (1) 6-foot draped table
- Two (2) chairs
- One (1) wastebasket

ADVERTISING OPPORTUNITIES

Sponsor Highlight Email - \$1,500

One (1) sponsor highlight in a non-exclusive BMES 2023 email to thousands of engaged registrants. You'll provide the content (subject to BMES approval) to encourage attendees to visit you on-site at the Annual Meeting! Content includes your message (300 characters or less) and your logo.

Two Mobile App Alerts - \$1,000

Drive traffic to your booth or inform attendees about your product with mobile app alerts during the conference. Your two (2) messages will be pushed to all attendees using the meeting's dedicated mobile app. The text for each alert is limited to 270 characters or less.



ADVERTISING OPPORTUNITIES (continued)

Ad in Digital Program

Include your advertisement in the digital program book that will be available for download on the BMES website and mobile app. BMES will provide sizing and format specifications for sponsors to create their advertisements (subject to BMES approval) and submit them for placement in the digital program book.

Full-page ad	\$2,500
Half-page ad	\$1,250
Quarter-page ad	\$500

TIERED SPONSORSHIP PACKAGES

SPONSORSHIP BENEFITS OVERVIEW

MEETING BENEFITS	PLATINUM	GOLD	SILVER	BRONZE
10x10 exhibit booth	Χ	Χ	Χ	
Sponsor listing in the app	X	Χ	Χ	Χ
Full conference registrations	8	7	4	2
Sponsored giveaway items	Χ	Χ		
Event sponsor	Plenary session	Coffee break		
Track sponsorship	Χ			
Free room rental for reception	Χ	Χ		
MARKETING BENEFITS				
Ad in digital meeting program	Full-page	Half-page	Quarter-page	
Linked sponsor logo on BMES website	X	X	Χ	Χ
Sponsor logo on select meeting signage	X	X	Χ	Χ
Sponsor logo in footer of BMES 2023 emails (pre-event/daily)	X	X	Х	X
Sponsor highlights in BMES 2023 email	2	1		
Social media posts on Twitter, Facebook, and LinkedIn (Sponsor logo/handle/link)	2	1	1	



PLATINUM: PRESENTING SPONSORS - \$35,000 (four available)

- 10x10 Exhibit Booth
- Sponsor Listing in the App
- Eight (8) Full Conference Registrations

(can be used for students and/or staff, includes exhibit booth registrations)

- Registration Giveaway Sponsor
 - o Lanyard (two available)
 - Selection of lanyard from two options provided by BMES (color selection subject to BMES approval)
 - Logo/organization name on lanyard (with up to one other sponsor) and the BMES 2023 logo
 - Distributed to attendees at registration
 - o Tote bag (two available)
 - Selection of tote from two options provided by BMES (color selection subject to BMES approval)
 - Logo/organization name on tote bags (with up to one other sponsor) and the BMES 2023 logo
 - Distributed to attendees at registration

• Plenary Session Sponsor

Highlight your organization at one (1) of the main speaking events.

- o Opportunity to give welcome remarks or play a 2-minute video to open the session
- o Opportunity to provide one handout at on-site session (provided and distributed by sponsor and subject to BMES approval)
- o Logo on signage/email/social media when promoting the Plenary Session
- o Sponsor will select from: Thursday (AM welcome plenary/PM), Friday (AM/PM), or Saturday (AM/PM closing plenary)

• Track Sponsorship

One of the main reasons our attendees join us at the Annual Meeting is to share their work in our sessions. Select the ideal track to sponsor based on your brand goals. Benefits include:

- o Selection of one (1) track to sponsor
- o Company name listed as the premier sponsor of the track

• Free Room Rental for Reception

Universities and companies may host a reception on Thursday night at allocated program times. You will work directly with the hotel to cater to your event's look and feel, including food, beverage, entertainment, audiovisual, electrical, and lighting options.

• Platinum Sponsor Marketing Benefits:

- o Full-page ad in digital meeting program
- o Linked sponsor logo on BMES website
- o Sponsor logo on select meeting signage
- o Sponsor logo included in the footer of select pre-event BMES 2023 emails (no more than 1/week)
- o Sponsor logo included in the footer of all BMES 2023 Daily Meeting Update emails
- o Two (2) sponsor highlights in a BMES 2023 email this will be mixed with other meeting news and not sent as an exclusive email. Sponsor will provide content (subject to BMES approval) consisting of:
 - 300 characters of text
 - Logo for image (other images will not be accepted)



PLATINUM: PRESENTING SPONSORS (continued)

- o Two (2) social media posts on Twitter, Facebook, and LinkedIn with logo, handle, and link
 - One will be a solo post (280 characters max) and linked to the page of your choosing
 - One will be a sponsorship-level group post (i.e., combined with other sponsors) and linked to the sponsor webpage

GOLD SPONSORS - \$23,000 (four available)

Meeting Benefits

- o 10x10 Exhibit Booth
- o Sponsor listing in the app
- o Seven (7) full conference registrations (can be used for students and/or staff, includes exhibit booth registration)

• In-person Coffee Break Sponsor

- o Refreshment breaks are held in the exhibit hall to help drive traffic to your university or company booth by promoting your brand on:
 - Table tents displayed at serving areas
 - Signage promoting the break
 - An app push notification promoting the break

Free Room Rental for Reception

Universities and companies may host a reception on Thursday night at allocated program times. You will work directly with the hotel to cater to your event's look and feel, including food, beverage, entertainment, audiovisual, electrical, and lighting options.

- Exclusive Giveaway Sponsor:
- Selection of sponsored item (see blocks below) from two options provided by BMES (color selection subject to BMES approval)
- Logo/organization name on the bottle with BMES 2023 logo
- Distributed to attendees throughout the conference area

(limited to one per sponsor on a first-come-first-serve basis)





GOLD SPONSORS - \$23,000 (continued)

Marketing Benefits

- o Half-page ad in digital meeting program
- o Linked sponsor logo on BMES website
- o Sponsor logo on select meeting signage
- o Sponsor logo included in the footer of select pre-event BMES 2023 emails (no more than 1/week)
- o Sponsor logo included in the footer of all BMES 2023 Daily Meeting Update emails
- o One (1) sponsor highlight in a BMES 2023 email this will be mixed with other meeting news and not sent as an exclusive email. Sponsor will provide content (subject to BMES approval) consisting of:
 - 300 characters of text
 - Logo for image (other images will not be accepted)
- o One (1) social media post on Twitter, Facebook, and LinkedIn with logo, handle, and link
 - Post will be a sponsorship-level group post (combined with other sponsors) and link to the BMES sponsor webpage

SILVER SPONSORS - \$12,000 (multiple available)

Meeting Benefits

- o 10x10 Exhibit Booth
- o Four (4) full conference registrations (can be used for students and/or staff, includes exhibit booth registrations)
- o Sponsor listing in the app

Marketing Benefits

- o Quarter-page ad in digital meeting program
- o Linked sponsor logo on BMES website
- o Sponsor logo on select meeting signage
- o Sponsor logo included in the footer of select pre-event BMES 2023 emails (no more than 1/week)
- o Sponsor logo included in the footer of all BMES 2023 Daily Meeting Update emails
- o One (1) social media post on Twitter, Facebook, and LinkedIn with logo, handle, and link
 - Post will be a sponsorship-level group post (combined with other sponsors) and link to the BMES sponsor webpage

BRONZE SPONSORS - \$6,000 (multiple available)

Meeting Benefits

- o Two (2) full conference registrations (can be used for students and/or staff, includes exhibit booth registrations)
- o Sponsor listing in the app



BRONZE SPONSORS - \$6,000 (continued)

• Marketing Benefits

- o Linked sponsor logo on BMES website
- o Sponsor logo on select meeting signage
- o Sponsor logo included in the footer of select pre-event BMES 2023 emails (no more than 1/week)
- o Sponsor logo included in the footer of all BMES 2023 Daily Meeting Update emails

*Note about comp registrations: Each comp entitles one (1) individual to register for the Annual Meeting as a full conference attendee, providing them with access to all non-ticketed sessions and events, the exhibit hall, poster presentations, and admission to the Welcome and/or Closing Reception. Please note that there is no separate comp allotment for your booth personnel. No one will be automatically registered for the conference, including the contact(s) listed on your contract and the individual(s) who purchased your sponsorship/exhibit space.











ACADEMIC SPONSOR & EXHIBITOR CONTRACT

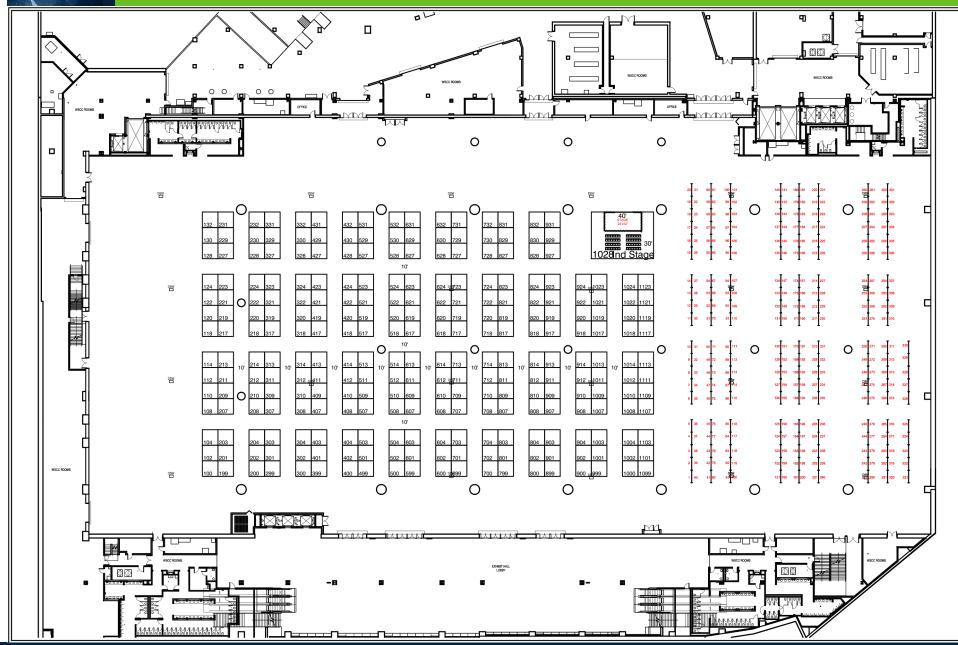
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Complete this section exactly as you want your organization's info					$\overline{}$				
Company Name:					V	Website:			
Mailing Address:					_				
City:		State/Provir	nce:		Z	ip/Postal Code:	Country:		
Phone:					E	Email Address:			
Who should we contact fo	or your spo	onsorship/ex	hibitor se	ervices and mar	naç	gement? Please choose one perso	on and fill out their contact info below.		
Contact First Name:					T 0	Contact Last Name:			
Contact Email Address:					7	Contact Phone Number:			
DIVERSITY EVENT	SPONS	SORSHIP	S			EXHIBIT PACKAGES	ADVERTISING		
☐ Champion - \$10,000 (□ 10' x 10' - \$2,500	☐ Sponsor Highlight - \$1,500		
O Gender Equity in BA	ME Lunche	on			11	□ 10′ × 20′ - \$3,500	☐ Two Mobile App Alerts - \$1,000		
O LGBTQIA+ Dessert I	Reception				1		☐ Full-Page Ad - \$2,500		
O Celebration of Communities of Color in BME Luncheon			1	□ 10′ x 30′ - \$5,000	☐ Half-Page Ad - \$1,250				
☐ Advocate - \$5,000 (2	per event)				1	□ 20′ x 20′ - \$6,750	☐ Quarter-Page Ad - \$500		
O Gender Equity in BA					1				
O LGBTQIA+ Dessert Reception			1	SPONSORSHIP PACKAGES					
O Celebration of Communities of Color in BME Luncheon			11	☐ Platinum Sponsorship - \$35,000 (four available)					
☐ Supporter - \$1,000 (up to 15 in total)			1	Plenary Session Sponsorship (pick one):					
O Gender Equity in BA	ME Lunche	on			1	O Thursday PM			
O LGBTQIA+ Dessert I	Reception				1	O Friday AM	O Friday PM		
O Celebration of Communities of Color in BME Luncheon			1	O Saturday AM	O Saturday PM				
☐ Friend - \$100					1	Track Sponsorship (select one):			
O Gender Equity in BME Luncheon			11						
O LGBTQIA+ Dessert	Reception				1	☐ Gold Sponsorship - \$23,000 (four available)			
O Celebration of Com	munities o	f Color in BN	1E Lunch	eon	1	Exclusive Sponsor of (pick one):			
					1	O Reusable Water Bottle	O Pronoun Stickers		
A LA CARTE SPON	ISORSE	HIPS				O Branded Pen	O Branded Sticky Notes		
☐ Welcome or Closing Re					П	☐ Silver Sponsorship - \$12,000			
O Welcome Reception			ing Rece	ntion	11	□ NEW: Bronze Sponsorship - \$6,000			
☐ Hotel Room Key - \$10,			9	<u> </u>	1 '				
☐ Industry Mixer - \$5,00					11	PAYMENT INFORMAT	ION		
☐ Headshot Lounge - \$5,					1	Total Amount Due: \$			
O Wed, 10/11 O Thu,	'	O Fri, 10/	13 (O Sat, 10/14	1	Payment Method (pick one):	O Please send an Invoice		
☐ WiFi Sponsor - \$5,000		3 111, 107	10 0	3 cai, 10, 14	11	O Visa	O Amex		
O Thu, 10/12		0/13	0.5	at 10/1/	┨	O MasterCard	O Discover		
O Thu, 10/12			┨	Card Number:					
			┨	Expiration: CVV:					
			11	Cardholder Name:					
□ NEW: BMES Smart Stage - \$2,500/session ○ Thu, 10/12 ○ Fri, 10/13 ○ Sat, 10/14				Billing Address:					
☐ NEW: Coffee Break - \$		· .		-Gi, 10/ 17		City:	State:		
O Thu, 10/12 O Fri, 10/13 O Sat, 10/14			1	Zip Code:	Country:				
☐ Hosted Reception - \$2,000			1	Electronic Signature:					
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TERMS AND CONDITIONS

In consideration of company's participation as a sponsor/exhibitor, the participating sponsor/exhibitor shall pay to BMES the total sponsorship fee, which shall be payable (a) at 50% of contract signing and (b) the balance on or before August 1, 2023. For contracts received on or after August 1, 2023, and to the first day of the event, 100% of the fee will be due with the contract. All fees are deemed fully earned by BMES and non-refundable when due unless BMES denies this application, in which case fees already paid will be refunded.

Sponsor expressly represents and warrants to BMES that it has the authority to enter into this Agreement and that the person submitting this Agreement is authorized by the company to execute this Agreement and bind the company to the terms set forth herein this Agreement.





BOOTH SELECTION

Please indicate your top 3 booth locations:

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3.



2023 POLICIES FOR THE BMES ANNUAL MEETING

The Biomedical Engineering Society has adopted the following policies to ensure a safe, healthy, and respectful environment for our in-person meetings.

Code of Conduct

All attendees, speakers, sponsors, exhibitors, staff, vendors, guests, and volunteers participating in the Biomedical Engineering Society (BMES) Annual Meeting are required to agree to the following code of conduct. Organizers will enforce this code throughout the event. Noncompliance with the code could result in your removal from the event, without refund, and potentially being banned from future BMES meetings as determined by the BMES Board of Directors. We expect cooperation from all participants.

BMES is dedicated to providing a harassment-free conference experience for everyone, regardless of gender, gender identity and expression, age, sexual orientation, disability, physical appearance, body size, race, ethnicity, religion (or lack thereof), or technology choices. We do not tolerate harassment of conference participants in any form. Sexual language and imagery are inappropriate for any conference venue, including talks, workshops, social events, and all online social media.

Harassment includes: offensive verbal or written comments related to gender, gender identity and expression, age, sexual orientation, disability, physical appearance, body size, race, ethnicity, religion, technology choices, sexual images in public spaces and virtual forums, deliberate intimidation, stalking, following, harassing photography or recording, sustained disruption of talks or other meeting content, inappropriate physical or digital contact, and unwelcome sexual attention.

Participants asked to stop any harassing behavior are expected to comply immediately. If a participant engages in harassing behavior, the conference organizers may take any action they deem appropriate, including warning the offender or expulsion from the conference with no refund.

If you are being harassed, notice that someone else is being harassed, or have any other concerns, please contact the conference chairs or a member of the conference staff immediately. Contact information for the Annual Meeting team is available on our website and will be shared with all participants prior to the start of the event.

Conference staff is available to help participants contact local law enforcement or otherwise assist those experiencing harassment to feel safe for the duration of the conference. We value your attendance and want to ensure a safe environment for everyone at the meeting. Attendees can also email exhibits@bmes.org if they wish to report an incident electronically (all communications will remain confidential).

Code of Ethics

This BMES Code of Ethics is not a binding statement of law; rather it outlines the norms and obligations our professional society believes are required to fulfill a biomedical engineer's commitment to honesty and conscientiousness in scientific inquiry and technology development to advance the public health. The principles herein define the specific conduct to which a biomedical engineer should conform to meet the ethical standards of our profession, beyond the requirements set by regulatory bodies. The great cultural and personal ramifications that the modern practice of biomedical engineering and associated technological developments have on our society places a unique responsibility on its practitioners to uphold these ethical principles, thereby honoring the public trust placed in us to work honestly to advance the public health.



1. Standards for Regulatory Compliance

- 1.1. Applicable Laws and Norms
 - 1.1.1. Assume personal responsibility for understanding the local regulations pertaining to biomedical research and technology development and adhere to the letter and spirit of applicable regulations to maintain the profession's standing and advance public health.
 - 1.1.2. Recognize both the breadth of the biomedical engineering profession and the specificity of each subfield by identifying and applying applicable Codes of Ethics, including both broader codes and narrower subfield-specific codes.

2. Standards for Research and Technology Development

- 2.1. Responsible Conduct of Research and Development
 - 2.1.1. Conduct research and development honestly and thoroughly in service of advancing the public health.
 - 2.1.2. Commit to authentic stewardship of the published scientific record (e.g., through honest and careful description of work, ensuring authorship reflects substantive contributions, respectfully, thoroughly, confidentially, and objectively evaluating others' work, committing to non-predatory publishing practices, and being thorough and unbiased in citations).
 - 2.1.3. Keep meticulous, comprehensive, and accurate records throughout the process of discovery and design to prevent errors, increase transparency, and improve reproducibility.
 - 2.1.4. Exercise due diligence when studying or developing biomedical technology (e.g., seek review from collaborators or consultants when working outside areas of proficiency, keep up to date on current methods and practices, and undertake thorough background searches).
- 2.2. Use and Collection of Data and Computer Code
 - 2.2.1. Commit to honest presentation, use, collection, analysis, and computer code development for the processing of biomedical data (e.g., publish results and methods, release public descriptions, implement internal validations, or obtain impartial external evaluations of data, techniques, and computer code).
 - 2.2.2. Strive to make biomedical data and methodology publicly accessible following project completion or proprietary development (subject to privacy constraints on human data) and take all reasonable steps (based on institutional resources) to ensure interpretable, stable structures to expedite discovery, improve development, and ensure rigor.
- 2.3. Respect and Protections for Human Subjects
 - 2.3.1. Treat human subjects as intrinsically valuable rather than instrumental in service of research and development goals (e.g., justify human subjects work with authentic risk-benefit analyses, maintain their right to confidentiality, and ensure they understand the implications of their participation).
 - 2.3.2. Employ the highest standards of conscientious design to research and development processes involving human subjects (e.g., become personally familiar with regulations for human subjects work, ensure unbiased subject recruitment, and safeguard subjects' personal health data).
- 2.4. Respect for Non-Human Animals
 - 2.4.1. Use animals in quantities and in levels of distress that are justified by the potential benefits the biomedical research may have for advancing the public health.

3. Standards for Application of Biomedical Technology

- 3.1. Recognition of Common Humanity and Disparate Needs
 - 3.1.1. Promote accessibility of biomedical technology (e.g., through design choices that maximize affordability and availability, considerations of global communities beyond those in which the development process takes place, and a commitment to rapidly adapt technology to meet emerging dire public health needs).
 - 3.1.2. Design and refine biomedical devices explicitly with the broadest possible range of humans in mind (e.g., spanning age, sex, size, ability, and other fundamental physiological characteristics).



- 3.1.3. Ensure the development and application of biomedical technology enhances the standard of care and does not diminish the dignity of those in care through marginalization, isolation, dehumanization, or other means (e.g., caregiving robots, avatars, or chronic cognitively dissociative interventions).
- 3.2. Autonomous or Agent-Based Technology
 - 3.2.1. Employ the utmost care, use collaborative efforts, and develop mitigation strategies to ensure containment of designed synthetic biological or artificial technologies that have the potential complexity to act as independent or unsupervised agents (e.g., engineered/altered viruses or other selfreplicating entities).
 - 3.2.2. Ensure that artificially intelligent systems and data-driven models developed with the potential for use in public health decisions are validated on their use cases and that their limitations, scope, and data sources are known and clearly defined to practitioners and institutions (e.g., algorithmic medical diagnostics).
- 3.3. Technology and Identity
 - 3.3.1. Recognize the uniquely personal and sensitive implications of developing technologies that have the potential to substantially alter a person's perceived identity (e.g., brain stimulation devices, individualized genetic modification, chimeric organisms with human and non-human DNA, or methods that substantially alter physical features), and conceive of potential dangers and mitigation plans at the start of the design process.
 - 3.3.2. Ensure that technologies developed to enhance natural human capabilities (e.g., cognitive-enhancing neurotechnology, tissue resilience, immune bolstering, or gene editing) are in service of the public health by analyzing and mitigating potential ancillary effects on society, culture, and the public trust in the biomedical engineering profession.
- 3.4. Engineering and Environment
 - 3.4.1. Exercise extraordinary caution when manipulating or developing technologies with the potential to make alterations to human germlines or germlines of critical biological resources (e.g., recombinant DNA, gene editing, human cloning, or designed microorganisms).
 - 3.4.2. Safeguard the public environmental commons by minimizing the direct and mitigating off-target impacts of technologies that augment natural resources (e.g., biofuels, genetically modified organisms, or changes in consumer habits due to biofabricated products).

4. Standards for Mentorship and Education

- 4.1. Mentor Responsibilities
 - 4.1.1. Recognize a mentor's special obligations beyond that of an ordinary employer (e.g., being available, engaging in honest dialogue, fostering a long-term relationship, being sensitive to unique power dynamics, and promoting the mentee's growth and success).
 - 4.1.2. Respect mentee independence (e.g., their interests, individual goals, professional contributions, and personal definitions of success).
- 4.2. Mentee Responsibilities
 - 4.2.1. Communicate honestly with mentors (e.g., technical aspects of biomedical engineering work, ethical concerns, and personal expectations).
 - 4.2.2. Assume ownership over the training process (e.g., help the mentor improve the training relationship and be deliberate in determining when and how to apply training).

5. Standards for Professionalism and Culture

- 5.1. Public Trust
 - 5.1.1. Declare conflicts of interest transparently to relevant parties, both financial and intellectual, while still recognizing that incentives may be necessary to maximize the benefit of biomedical technology to the public health.



- 5.1.2. Communicate to the media and public with scrupulous honesty (e.g., clearly express warranted levels of confidence in conclusions and put expected efficacy in context) to avoid misleading the public (e.g., giving false hopes for treatment, generating confusion about the scientific enterprise, or undermining public trust in biomedical engineering).
- 5.1.3. Respect public support (e.g., use public funds judiciously and commit to open dissemination and accessibility of results and methods when work is funded through public means).
- 5.2. Dignity for Persons
 - 5.2.1. Promote access to the profession of biomedical engineering to the broadest possible groups (e.g., lower barriers to entry, promote a professional culture of respect, and raise broad awareness of the mission).
 - 5.2.2. Commit to engaging with colleagues, employees, and the public based on the merits of their ideas, regardless of their position or background.
 - 5.2.3. Promote a working culture that encourages adherence to ethical norms outlined in this Code of Ethics (e.g., through non-retaliation for whistleblowing, conscientiousness, open discussion of the interpretation of professional values and responsibilities, and respect for cultural and religious practices that do not conflict with previously enumerated norms).

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