

40th ANNUAL

# SOUTHERN BIOMEDICAL ENGINEERING CONFERENCE

CALL FOR  
**ABSTRACTS** DEADLINE  
MAY 15, 2024



**SEPTEMBER 13-15**  
**2024**

**LSU HEALTH SHREVEPORT**  
**SHREVEPORT, LA**

*International Presenters: Optional Virtual*

## **INQUIRY**

### **Program Chair**

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### **Conference Co-chair**

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# CALL FOR ABSTRACTS

**DEADLINE MAY 15, 2024**

*The Southern Biomedical Engineering Conference (SBEC) series was conceived by bioengineering professionals from academia and industry located primarily in the southern United States in 1982. The first Southern Biomedical Engineering Conference was held at the LSU Medical Center, Shreveport, Louisiana, in 1982 chaired by the founder of SBEC Dr. Subrata Saha. Since then it has been held annually in different cities, mostly in the southern United States, and has grown to become a global event that regularly attracts attendees from all over the world. Submitted abstracts and invited manuscripts are peer-reviewed, and those abstracts and papers accepted for presentation and publication appear in the yearly issue of SBEC proceedings. The SBEC serves a special purpose by emphasizing participation from young professionals and advanced students. Since established investigators present their research in the same sessions with the students, it encourages a high level of professionalism as a standard for young investigators and students at all levels. In keeping with the emphasis on student participation, the SBEC presents best paper and presentation awards to undergraduate, graduate, and professional students. Submission of abstracts and papers from individuals from around the world is highly encouraged. However, if their abstracts are accepted, an author or co-author must attend the conference to present their work and to interact with other attendees.*

**[sheconference.org/40th-sbec](https://sheconference.org/40th-sbec)**



## Suggested Topics for Podium and Poster Presentations

(Not all-inclusive)

Biocompatibility of Devices  
Bioinformatics  
Bioinstrumentation  
Biomaterials  
Biomechanics  
Biomedical Commercialization  
Biomedical Education  
Biomedical Ethics  
Bioceramics  
Biosensors  
Biotechnology  
Biomaterials for Cancer  
Computational Bioengineering  
Drug Delivery  
Delivery of Therapeutic Nucleic Acids

Lab on a chip/Organ on a chip  
Dental Materials  
Dental Mechanics  
Devices and Implants  
Electrical Engineering  
Histopathology  
Implantable Devices  
Lasers in Medicine  
Medical Imaging  
Medical Robots  
Microfluidics  
Mechanical Engineering  
Nanotechnology  
Neural Engineering  
Neuromechanics

Tissue Engineering  
Medical Textiles  
Prosthetic Devices  
Rehabilitation Engineering  
Science Education  
Soft Tissue Mechanics  
Synthetic Biology  
Tissue Regeneration Rehabilitation  
Optical Biosensing  
Orthopedics  
3D Cell Culture Techniques  
Cardiovascular  
Cell Membrane Transport  
Cell Mechanics  
Quantitative 3D Modeling of Tissues

# ABSTRACT FORMAT



## TITLE

Capital bold letters, centered in 14-point

## AUTHOR BLOCK

Centered in 12-point, Times New Roman font. Include full first and last names (inclusion of initial(s) of middle name(s) is optional), followed by the authors' affiliation(s) with city, state, and country. If there is more than one institutional affiliation for all authors, use superscript numbers to identify authors with their respective affiliations.

## BODY OF THE ABSTRACT

Limited to a maximum of 18 lines, single spaced, text only (no figures, photographs or tables) typed in 12-point font using Microsoft Word. It should be right and left justified and fit on 8.5 x 11-inch paper with one inch margins.

**UPLOAD YOUR ABSTRACT** <https://event.fourwaves.com/42707ebb-5d0d-42c4-b9ce-a7c50a4bafa3/pages>

Alternatively, e-mail a copy of your abstract to Dr. Solitro (giovanni.solitro@lsuhs.edu) In your e-mail or cover letter, please identify the corresponding author with complete mailing address, telephone number and e-mail address.

## PEER REVIEW PROCESS

Abstracts and manuscripts submitted to the SBEC are subject to a series of steps, which lead to the acceptance for presentation or rejection. The abstracts submitted to SBEC are sorted into different categories by the organizing committee. The conference and program chairs appoint appropriate reviewers for the abstracts from the program committee as well as experts in the specified disciplines. Abstracts will be accepted for either a poster or an oral presentation, or declined. The senior authors of the accepted abstracts may also be invited to submit a full-length manuscript (submission of manuscripts is optional), as well as to present the findings at the annual meeting. Upon receipt of the optional, full-length manuscript, the conference chair will assign at least three reviewers for each paper to evaluate the originality and novelty of the research (Scores: 1 = Rejection, 2 = Accept after minor revisions, 3 = Acceptable, 4 = Very good paper, and 5 = Excellent work). Accepted manuscripts are considered refereed papers under the umbrella of "accept or reject", meaning there is no communications with the authors for major revisions (minor revisions are allowed at the conference chairs discretion).

All the accepted abstracts and papers will be published proceeding book entitled *BIOMEDICAL ENGINEERING: RECENT DEVELOPMENTS* that will be available at the meeting. A limited number of abstracts will be invited by SBEC program committee to submit full-length manuscripts for publication in the peer-reviewed prestigious journal: *Biomedical Science Instrumentations* (IAE Publisher).

## STUDENT AWARDS

Top undergraduate and graduate students for podium and poster presentations will be recognized with awards (cash prizes and certificates) at the awards ceremony. In addition, overall Subrata Saha Excellence in Research Award (cash and certificate) will be given to a student who will receives the highest score regardless of category.

## REGISTRATION

Registration Fee includes access to all conference events, program copy, manuscript proceeding fee, lunches, coffee breaks, snacks, and more.

**SCAN**  
TO REGISTER OR  
SUBMIT ABSTRACT



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## SUBMISSION AND NOTIFICATIONS DEADLINE

<b>OCTOBER 31, 2023</b>	Submissions opens for 500-work short abstract
<b>MAY 15, 2024</b>	Submission closes (11 pm CST USA)
<b>MAY 30, 2024</b>	Notification of abstract acceptance & invitation to submit a full length paper (optional) A limited number of abstracts will be invited by SBEC program committee to submit full-length manuscripts for publication in the peer-reviewed <i>Journal of Biomedical Science Instrumentation</i> (IAE Publisher)
<b>JUNE 30, 2024</b>	Submission of manuscripts closes (11 pm CST USA)
<b>JULY 7, 2024</b>	Last day to pre-register
<b>JULY 10, 2024</b>	Notification of acceptance of full length manuscripts
<b>AUGUST 4, 2023</b>	Deadline for Hotel Room block reservations

## REGISTRATION FEES\*

	Before July 7, 2024	After July 7, 2024
<b>Investigators</b>	\$350	\$475
<b>Students</b>	\$225	\$325
<b>Companion Fee</b>	\$150	\$180
<b>Publication Fee (IAE Publisher)</b>	\$90	\$90

\*Onsite registration is subject to additional 25% fee



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