

38TH-SBEC 2022

Call for Abstracts

Deadline: April 15, 2022

38th ANNUAL SOUTHERN BIOMEDICAL ENGINEERING CONFERENCE

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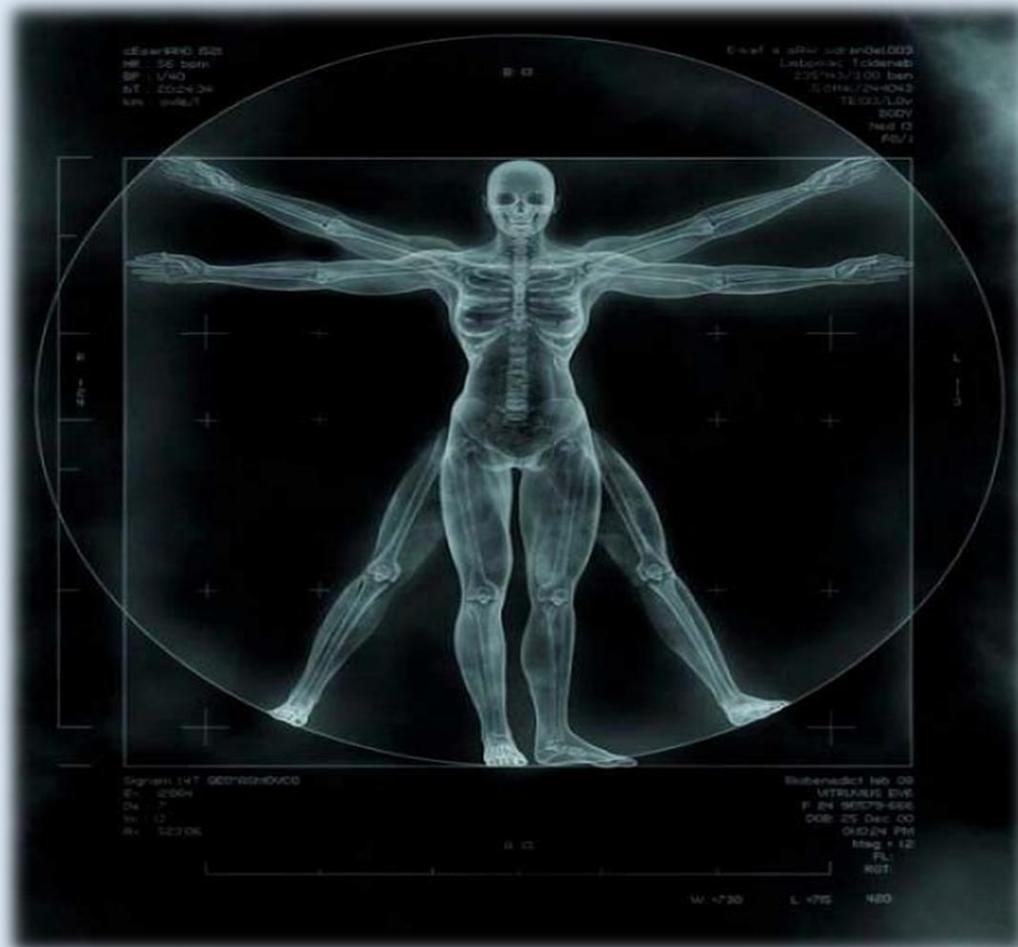
Aug 25-28, 2022

New Orleans, LA, HILTON NEW ORLEANS AIRPORT,
901 AIRLINE DRIVE KENNER, LA, Telephone: 1 504 465 1153

International Presenters: Optional Virtual
<http://sbec18.org>

*Inquiry: Dr. Narayan Bhattarai, North Carolina
A&T State University, nbhattar@ncat.edu
or Conference co-chair: Dr. H. Benghuzzi,
benghuzzi@bellsouth.net, (601) 209-1147*

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<http://thequickglimpse.files.wordpress.com/2010/02/vitruvian-man.jpg>

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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.

Suggested Topics for Podium and Poster Presentations

(Not all-inclusive)

<i>Biocompatibility of Devices</i>	<i>Lab on a chip/Organ on a chip</i>	<i>Tissue Engineering</i>
<i>Bioinformatics</i>	<i>Dental Materials</i>	<i>Medical Textiles</i>
<i>Bioinstrumentation</i>	<i>Dental Mechanics</i>	<i>Prosthetic Devices</i>
<i>Biomaterials</i>	<i>Devices and Implants</i>	<i>Rehabilitation Engineering</i>
<i>Biomechanics</i>	<i>Electrical Engineering</i>	<i>Science Education</i>
<i>Biomedical Commercialization</i>	<i>Histopathology</i>	<i>Soft Tissue Mechanics</i>
<i>Biomedical Education</i>	<i>Implantable Devices</i>	<i>Synthetic Biology</i>
<i>Biomedical Ethics</i>	<i>Lasers in Medicine</i>	<i>Tissue Regeneration Rehabilitation</i>
<i>Bioceramics</i>	<i>Medical Imaging</i>	<i>Optical Biosensing</i>
<i>Biosensors</i>	<i>Medical Robots</i>	<i>Orthopedics</i>
<i>Biotechnology</i>	<i>Microfluidics</i>	<i>3D Cell Culture Techniques</i>
<i>Biomaterials for Cancer</i>	<i>Mechanical Engineering</i>	<i>Cardiovascular</i>
<i>Computational Bioengineering</i>	<i>Nanotechnology</i>	<i>Cell Membrane Transport</i>
<i>Drug Delivery</i>	<i>Neural Engineering</i>	<i>Cell Mechanics</i>
<i>Delivery of Therapeutic Nucleic Acids</i>	<i>Neuromechanics</i>	<i>Quantitative 3D Modeling of Tissues</i>

Submission and Notifications Deadlines

Jan 25, 2022: Submission opens for 200-word short abstract. *Please submit abstract at <http://sbec18.org>*

April 15, 2022: Submission closes (11pm CST USA)

May 15, 2022: 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 [Journal of Biomedical Science Instrumentations](#) (IAE Publisher).

June 14, 2024: Submission of manuscripts closes (11pm CST USA)

July 10, 2022: Notification of acceptance of full-length manuscripts

Chairman of Steering Committee: Dr. Subrata Saha

Program Chair:

Dr. Narayan Bhattarai, North Carolina A&T State University,
nbhattar@ncat.edu

Program Vice Chairs:

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Conference Co-Chairs:

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Dr. Shelly Tucci, Journal Editor, University of
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Past Program Chair:

Dr. Ken Butler, University of Mississippi Medical
Center, kbutler@umc.edu

ABSTRACT FORMAT

TITLE IN CAPITAL BOLD LETTERS, CENTERED IN SIZE 14

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 ½ x11-inch paper with one inch margins. **The preferred way is to upload your abstract is at the website <http://sbec18.org>.** Alternatively, e-mail a copy of your abstract to **Dr. Ken Butler, University of MS Med Center, kbutler@umc.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.

Registration Fees (http://sbec18.org)	Before June15,2021	After June15,2021
Investigators	\$350	\$475
Students	\$250	\$325
Companion Fee	\$150	\$180
Publication Fee (IAE Publisher)	\$90	\$90

* Onsite registration is subject to additional 25% fee