

Call for Abstracts

Extended Deadline: November 28th, 2017

34th ANNUAL SOUTHERN BIOMEDICAL ENGINEERING CONFERENCE

Sponsored by



March 8-10, 2018

Charlotte; North Carolina

Holiday Inn Charlotte Airport

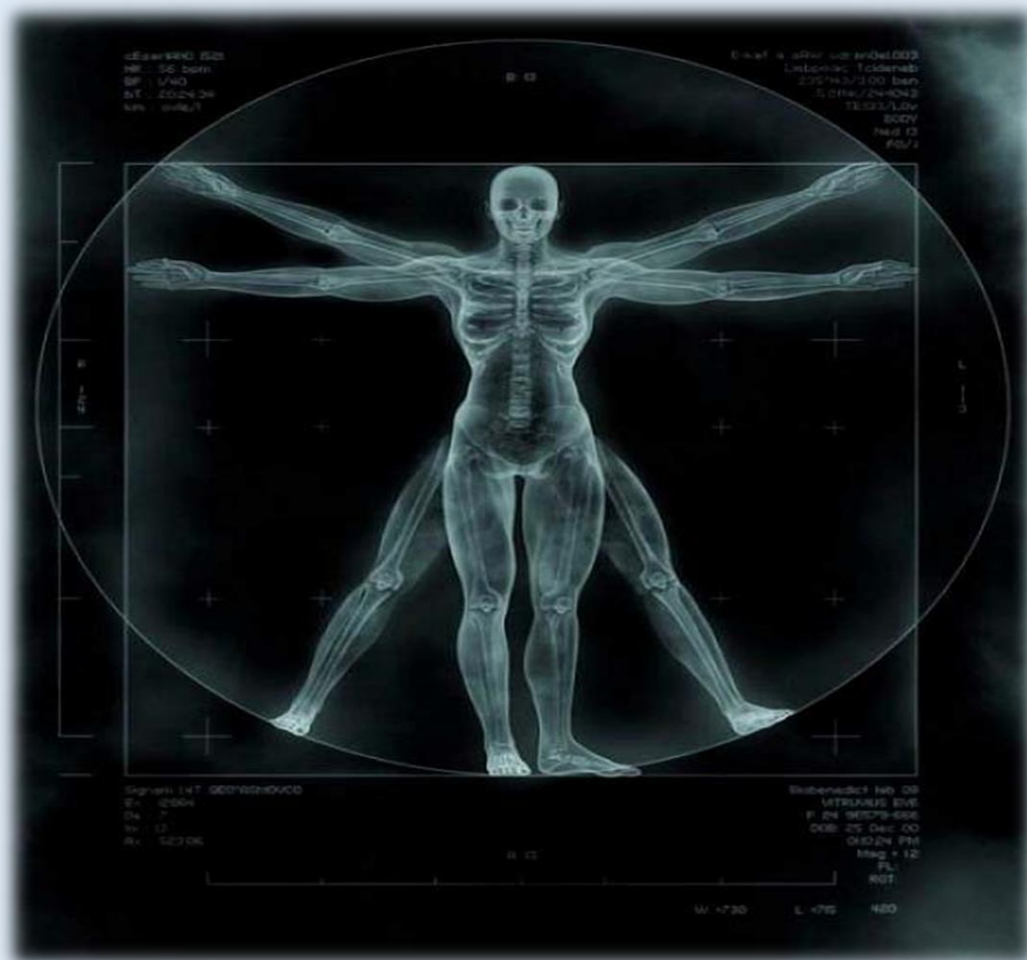
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<http://sbec18.org>



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Event Details: The Southern Biomedical Engineering Conference (SBEC) series was conceived by bioengineering professionals from academia and industry located primarily in the South of the 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. S. 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)

Auditory Prostheses	Lab on a chip/Organ on a chip	Prosthetic Devices
Bioinformatics	Dental Materials	Rehabilitation Engineering
Bioinstrumentation	Dental Mechanics	Soft Tissue Mechanics
Biomaterials	Devices and Implants	Synthetic Biology
Biomechanics	Lasers in Medicine	Tissue Regeneration
Biomedical Commercialization	Medical Imaging	Rehabilitation
Biomedical Education	Medical Robots	Optical Biosensing
Biomedical Ethics	Microfluidics	Orthopedics
Bioceramics	Nanotechnology	Organoid/Spheroid
Biosensors	Neural Engineering	Cardiovascular
Biotechnology	Neuromechanics	Cell Membrane Transport
Drug Delivery	Tissue Engineering	Cell Mechanics
Delivery of Therapeutic Nucleic Acids	Tissue Eng. Scaffold Fabrication	Quantitative 3D modeling of tissues

Submission and Notifications Deadlines

August 1st, 2017: Submission opens for 200-word short abstract.

For abstract submission please visit (<http://sbec18.org>)

Nov. 15th, 2017: Submission closes (11pm CST USA)

December 1st, 2017: Notification of abstract acceptance & invitation to submit a two page length paper (optional to authors/the SBEC program review committee will select limited number of abstracts to be invited to submit full-length manuscripts).

December 21st, 2017: Submission of manuscripts closes (11pm CST USA)

January 23, 2018 : Notification of acceptance of full-length manuscripts

Conference Chair

Dr. Ahmed El-Ghannam; *University of North Carolina at Charlotte*; Phone: 704-687-7730; arelgha@unc.edu

Conference Co-Chair

Dr. Ham Benghuzzi; *University of Mississippi Medical Center*; Phone: 601-984-6324; hbenghuzzi@umc.edu

Program Coordinator

Dr. Michelle Tucci; *University of Mississippi Medical Center*; Phone: 601-815-1043; mtucci@umc.edu

Program Committee

Narayan Bhattarai, Ph.D. North Carolina A&T State University	Dilip Depan, Ph.D. University of Louisiana at Lafayette,
Rafael Davalos, Ph.D. Virginia Tech	Mohammed Benalla, Ph.D. North Western State University of Louisiana
Matthew B. A. McCullough, Ph.D. North Carolina A&T State University	Thomas Dziubla, Ph.D. University of Kentucky,
David A. Puleo, Ph.D. University of Kentucky	Michelle Tucci, Ph.D. University of Mississippi Medical Center,
Joel Stitzel, Ph.D. Wake Forest University School of Medicine	Saami K. Yazdani, Ph.D. University of South Alabama
Vladimir Reukov, Ph.D. Clemson University	Yeoheung Yun Ph.D. North Carolina A&T State University
Kirill Afonin, Ph.D. University of North Carolina at Charlotte	Charles Lee, Ph.D. University of North Carolina at Charlotte
Didier Dréau, Ph.D. University of North Carolina at Charlotte	Harish Cherukuri, Ph.D. Chemical, Biological and Bio Engineering
Amol Janorkar, Ph.D. University of Mississippi Medical Center	Joseph A. Cameron, Ph.D. Jackson State University
Ken Butler, Ph.D. University of Mississippi Medical Center	Ibrahim Farah, Ph.D. Jackson State University
Elgenaid Hamadain, Ph.D. University of Mississippi Medical Center	Felix Adah, Ph.D. University of Mississippi Medical Center
Ham Benghuzzi, Ph.D. University of Mississippi Medical Center	Lir-Wan Fan, Ph.D. University of Mississippi Medical Center
Ahmed El-Ghannam, Ph.D. University of North Carolina at Charlotte	Gerri Wilson, Ph.D. , Executive Assistant University of Mississippi Medical Center

For more information: Visit: <http://sbec18.org> Or email: arelgha@uncc.edu or hbenghuzzi@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 individuals with their respective affiliations.

Body of the abstract (limited a maximum of 18 lines only), single spaced, text only (no figures, photographs or tables) should be typed in 12-point font using Microsoft Word. It should be right and left justified and fit on 8 ½ x 11-inch paper with one inch margins. The preferred way is to upload your abstract in the website provided, or alternatively, e-mail a copy of your abstract to **Dr. Ahmed El-Ghannam at arelgha@uncc.edu or Dr. Ham Benghuzzi at hbenghuzzi@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 Criteria for SBEC Papers: Abstracts and manuscripts submitted to the SBEC are subject to a series of steps, which lead to the acceptance of manuscripts for publication or rejection. The abstracts submitted to SBEC are sorted into different categories by an organizational committee. Then the conference chairs appoint appropriate reviewers for the abstracts from the program committee as well as experts in those 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 four reviewers for each paper to evaluate the originality and novelty of the research (Scores: 1=Rejection, 2= Modification by Program Committee, 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/papers will be published in a Special Issue of *The Journal of Mississippi Academy of Sciences* as well as an archival proceeding book entitled **BIOMEDICAL ENGINEERING: RECENT DEVELOPMENTS** that will be available at the meeting.

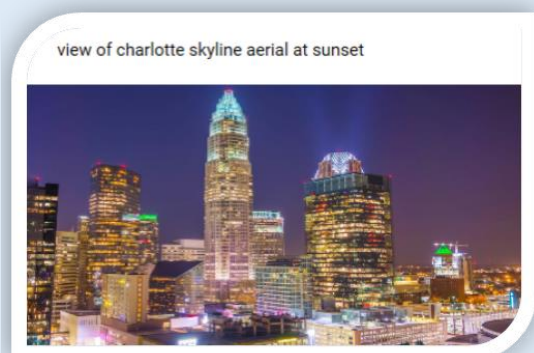
Student Awards:

Top undergraduate and graduate students for podium and poster presentations will be recognized (Cash prized and Certificates) at the awards ceremony.

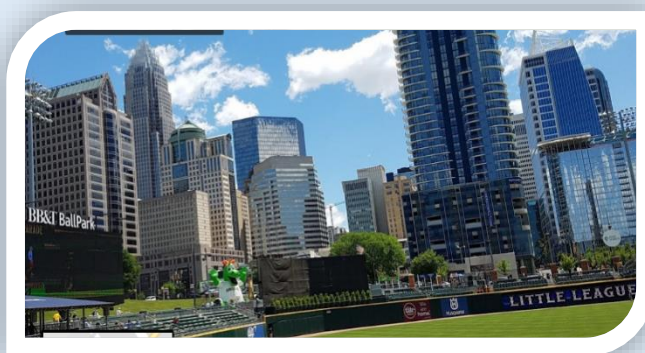
Registration

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

Registration Fees (http://sbec18.org)	Fee
Conference registration fee before February 2, 2018	\$280
Conference registration fee after February 2, 2018	\$375
Conference registration fee for students before February 2, 2018	\$190
Conference registration fee for students after February 2, 2018	\$225



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