

## Call for Abstracts

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# 34<sup>th</sup> ANNUAL SOUTHERN BIOMEDICAL ENGINEERING CONFERENCE

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March 8-10, 2018

Center City at The University of North Carolina Charlotte

920 E. 9<sup>th</sup> St, Charlotte, NC 28202

T: 704-687-0839

<http://msacad.org/sbec>



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

## Call for Abstracts

### Deadline: November 15<sup>th</sup>, 2017

**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)

<b>Auditory Prostheses</b> <b>Bioinformatics</b> <b>Bioinstrumentation</b> <b>Biomaterials</b> <b>Biomechanics</b> <b>Biomedical Commercialization</b> <b>Biomedical Education</b> <b>Biomedical Ethics</b> <b>Bioceramics</b> <b>Biosensors</b> <b>Biotechnology</b>	<b>Drug Delivery</b> <b>Lab on a Chip</b> <b>Dental Materials</b> <b>Dental Mechanics</b> <b>Devices and Implants</b> <b>Lasers in Medicine</b> <b>Medical Imaging</b> <b>Medical Robots</b> <b>Microfluidics</b> <b>Nanotechnology</b> <b>Neural Engineering</b> <b>Neuromechanics</b>	<b>Tissue Engineering</b> <b>Prosthetic Devices</b> <b>Rehabilitation Engineering</b> <b>Soft Tissue Mechanics</b> <b>Synthetic Biology</b> <b>Tissue Regeneration</b> <b>Rehabilitation</b> <b>Optical Biosensing</b> <b>Orthopedics</b> <b>Cardiovascular</b> <b>Cell Membrane Transport</b> <b>Cell Mechanics</b>
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### Submission and Notifications Deadlines

August 1<sup>st</sup>, 2017: Submission opens for 200-word short abstract.

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

Nov. 15<sup>th</sup>, 2017: Submission closes (11pm CST USA)

**December 1<sup>st</sup>, 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 21<sup>st</sup>, 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;*

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### Conference Co-Chair

Dr. Ham Benghuzzi; *University of Mississippi Medical Center*

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### Program Committee

<b>Narayan Bhattarai, Ph.D.</b> North Carolina A&T State University	<b>Dilip Depan, Ph.D.</b> University of Louisiana at Lafayette,
<b>Rafael Davalos, Ph.D.</b> Virginia Tech	<b>Mohammed Benalla, Ph.D.</b> North Western State University of Louisiana
<b>Matthew B. A. McCullough, Ph.D.</b> North Carolina A&T State University	<b>Thomas Dziubla, Ph.D.</b> University of Kentucky,
<b>David A. Puleo, Ph.D.</b> University of Kentucky,	<b>Michelle Tucci, Ph.D.</b> University of Mississippi Medical Center,
<b>Teresa Murray, Ph.D.</b> Louisiana Tech University, Ruston, LA	<b>Saami K. Yazdani, Ph.D.</b> University of South Alabama
<b>Vladimir Reukov, Ph.D.</b> Clemson University	<b>Yeoheung Yun Ph.D.</b> North Carolina A&T State University
<b>Kirill Afonin, Ph.D.</b> University of North Carolina at Charlotte	<b>Charles Lee, Ph.D.</b> University of North Carolina at Charlotte
<b>Didier Dréau, Ph.D.</b> University of North Carolina at Charlotte	<b>Harish Cherukuri, Ph.D.</b> University of North Carolina at Charlotte
<b>Amol Janorkar, Ph.D.</b> University of Mississippi Medical Center	<b>Joseph A. Cameron, Ph.D.</b> Jackson State University
<b>Ken Butler, Ph.D.</b> University of Mississippi Medical Center	<b>Ibrahim Farah, Ph.D.</b> Jackson State University
<b>Elgenaid Hamadain, Ph.D.</b> University of Mississippi Medical Center	<b>Ms. Gerri Wilson</b> University of Mississippi Medical Center
<b>Lynne Jones, Ph.D.</b> Johns Hopkins Medical Center	<b>Zelma Cason, Ph.D.</b> University of Mississippi Medical Center
<b>Ahmed El-Ghannam, Ph.D.</b> University of North Carolina at Charlotte	<b>Ham Benghuzzi, Ph.D.</b> University of Mississippi Medical Center

For more information, visit: <http://msacad.org/sbec>

Or email: [arelgha@uncc.edu](mailto:arelgha@uncc.edu) or [hbenghuzzi@umc.edu](mailto: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 x11-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](mailto:arelgha@uncc.edu) or Dr. Ham Benghuzzi at [hbenghuzzi@umc.edu](mailto: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.

**Registration Fees (<http://msacad.org/registration>)**

<b>Conference registration fee before February 2, 2018</b>	<b>\$280</b>
<b>Conference registration fee after February 2, 2018</b>	<b>\$375</b>
<b>Conference registration fee for students before February 2, 2018</b>	<b>\$190</b>
<b>Conference registration fee for students after February 2, 2018</b>	<b>\$225</b>