**INTRODUCTION**

SB3C2017

Summer Biomechanics, Bioengineering and Biotransport Conference

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Cardiovascular Segmentation with Convolutional Neural Networks

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This document is the abstract template for SB3C2016. It includes a guideline for content to be included in each section.

Follow instructions found in the document available at sb3c.org and at the OASIS abstract submission site. In particular, note that you must create a PDF following these requirements:

* Use the provided Abstract Template (or the Undergraduate Design Template) in Microsoft Word, and save it as a PDF.
* Do not include page numbers, headers, or footers in your abstract. These will be added when the final program book is created.
* Keep fonts consistent with the template. Only Helvetica, Arial, and Times New Roman are permitted.
* Size of final PDF may not exceed 3MB. If possible, there are some options available in older versions of Microsoft Word that allow you to reduce the file size (under File, quality of 150 ppi).
* You are limited to 2 pages.

The introduction should establish the importance of the subject, briefly explain what is known, state what is unknown or problematic, and then provide a clear statement of the objectives and/or research questions associated with the study.

**METHODS**

Explain what was examined, developed or done to answer the research questions. Explain how it was done. Explain how the resulting data/results were analyzed.

Follow directions in the instruction document for equations. Equations should be set apart from the body of the text and centered. Equations should be numbered consecutively, using numerals enclosed in parentheses and positioned flush right along the final baseline of the equation. Here is an example equation:

(1)

**RESULTS**

Present results in decreasing order of importance or chronologically. Refer to figures and tables parenthetically. Do not duplicate data in the text, figures and tables. That the major results in the text, referencing the figures and tables parenthetically as appropriate.

**Figure 1: Follow directions for Figures in the instructions document. Figure captions are centered below the graphic.**

**Table 1: Follow directions for Tables in the instructions document. Table captions are centered above the table.**

**DISCUSSION**

The primary functions of the Discussion are to answer the research question and/or put the results in context and explain their significance. Discuss the results of your study and their significance. Explain how your findings compare with existing knowledge on the subject. Does your answer fit with current thinking? Can you explain conflicts or discrepancies between your results and the results of others? What new information is provided by your study that complements or contradicts previous work? Provide the reader with a balanced presentation of the strengths and limitations. End with a clear statement such as the implications of your findings, or with speculations based on the findings.

**ACKNOWLEDGEMENTS**

Please acknowledge any grant or other funding support or the assistance of others as appropriate.

**REFERENCES**

References should be arranged in numerical order according to the sequence of citations within the text. Each reference should include the last name of at least the first author followed by his/her initials, the journal name, volume, pages and year. You may include more detailed reference information if space in your particular abstract allows.

Sample Reference:

[5] Bergmann, G et al., *J Biomech*, 34:859-871, 2001.