**Author Guidelines – SICC 2018**

Anonymous submission

**ABSTRACT**

These are the instructions for authors submitting their manuscripts to the SICC 2018. These instruction should be used for long papers. Authors of long papers that are selected for publishing in RISTI will be asked to change the format of their manuscript to match the guidelines of the journal. The abstract should be a concise summary of the general work and conclusions and it should be no longer than 150 words. The review process is double-blind, do not include any author information (names, affiliations, addresses) when submitting the paper for review.

**Keywords**: please include a maximum of 6 keywords.

# INTRODUCTION

The following instructions are for long paper submission to SICC 2018. All authors are required to adhere to this format. Authors are required to provide a Portable Document Format (PDF) version of their papers. The proceedings are designed for printing on letter size (21.59 x 27.94 cm).

Manuscripts must be in one-column format and they may consist of up to 5.000 words of content (excluding title, summary, keywords and references). Lines should be justified, with even space between margins (2.5 cm on each side). Font must be Arial 12 and space between lines should be 1.5 lines.

This template includes a printed ruler that should be present in the version submitted for review. The ruler is provided in order that reviewers may comment on particular lines in the paper easily. We strongly recommend the use of this template file, which have been appropriately tailored for the SICC-208 proceedings

On the introduction, first, provide some context to your topic and establish the motivation for the work presented in your manuscript. Second, you must discuss the relevant primary research literature (with citations) and summarize the current understanding of the problem, in order to state the need for your work, as an opposition between what the scientific community currently has. Third, indicate what you have done in an effort to address the need.

Next pages must present these sections: materials and methods, results, discussion and references. These titles are capitalized. The numbering of the sections begins in materials and methods with the 1 in Arabic. The introduction and references are not numbered.

# MATERIALS AND METHODS

In this section you must explain clearly how you carried out your work. Explain clearly how the experimental procedures were carried out and how the data were analyzed.

## Equations

Equations must be centered and numbered with Arabic numbers inside parenthesis. Equation number must be aligned to the right margin. Equations must be written using MS Office Word®. An example is shown in equation (1).

|  |  |
| --- | --- |
|  | (1) |

To add new equations, authors can copy previous equation line and then replace with the new equation. To update equation numbering, press F9 while the equation number is selected. This will only update the number to the right of the equation; to update numbering within the text you must create a cross-reference. All equations should be cited in the text.

## Citations

Citations within the text follow the IEEE style. They appear in brackets as [1] and should be numbered in the order they appear in the text. When referring to their own work, authors should use the third person, rather than the first person. For example, say “Previously, Payne and Gunhold [2] showed that…,” rather than “In our previous work [2] we showed that…”

When two or more citations are required on the same line, their numbers must be included into the same brackets. If you are citing a sequence of three or more references, you must include the number of the first and last references separated by a dash. If the references are not in sequence, you must separate them by comma into the same bracket. Here are some examples: This has been stated previously [4-5]; this problem has been highlighted before in the literature [2, 4-7, 9]. When citing a reference that has two authors, you must use “and” instead of ampersand “&”. When citing a reference having more than two authors, refer to them with the name of the first author followed by the expression “et al”; for example: Payne y Gunhold [5]; Wood et al [7].

## Abbreviations and style

The use of footnotes in the text is not allowed. Do not divide the words into the right margin anywhere in the manuscript; this includes the words linked by a script, as well as the divisions between syllables. Scripts should not be used to extend a line to the right margin.

Use the metric system and its abbreviations for all measurements and use decimals instead of fractions (for example 0.6) except in equations.

Do not include page breaks or section endings. If you want to highlight words or phrases in the text, use italics instead of bold letters.

If the article is written in English, expressions in Spanish or Portuguese that do not have a translation must be in italics.

# RESULTS

Objectively present your key results, without interpretation, in a logical sequence using both text and illustrative materials (tables and figures). The results section always begins with text, reporting the key results and referring to your figures and tables as you proceed.

## Tables

Place figures and tables in the paper near where they are first discussed. List the tables in the order in which they are cited for the first time and avoid redundancy between tables, figures and text. The labeling of each table should go to the head of it. Embedded tables as images are not accepted. Tables must be done in MS Office Word® or MS Office Excel. All tables and figures should be cited within the text. An example is presented in table 1

Table 1. The cost of properties A and B are presented for the year 2001 and 2017.

|  |  |  |
| --- | --- | --- |
| **Property** | **Cost in 2001** | **Cost in 2017** |
| A | COP $ 250,000,000 | COP $ 650,000,000 |
| B | COP $ 50,000,000 | COP $ 150,000,000 |

Source: the authors

## Figures

All illustrations, photos, diagrams, maps and graphics are classified as figures and must be at a resolution of no less than 300 dpi. Figures must be of high quality and resolution, lines and fonts must remain legible in normal paper size. Photographs must be of excellent quality. A number and a legend should be placed on the bottom of each figure, as well as their respective source. The legend of each figure or table has to be expressive enough, so that the figure or table can be read independently of the text. All figures should be cited in the text. An example is presented on figure 1.

Figure 1. Relationship between temperature in Celsius degrees (°C) and in Fahrenheit degrees (°F). A linear relationship is observed between both scales.

Source: the authors

If your paper is selected for publishing in *Ingenierías* or in *RISTI*, you will be asked to provide the figures included in this manuscript in separate files, in tiff, gif or jpg format.

# DISCUSSION

The function of the Discussion is to interpret your results. Organize the Discussion to address each of the experiments or studies for which you presented results; discuss each in the same sequence as presented in the Results, providing your interpretation of what they mean in the larger context of the problem. You must end the discussion with a general conclusion of your findings in relation to the purpose of your work, as stated at the Introduction. Do not introduce new results in the Discussion.

# REFERENCES

When listing references cited within the text, you should attend the guidelines illustrated with the following examples, which are adapted from the IEEE Editorial Style Manual.

**Article in a Journal**: Author(s). “Article title”. Journal title, vol., pp, date. *Example*:

[1] L. Benvenuti, and L. Farina, “Positive and compartmental systems,” IEEE Transactions on Automatic Control, vol. 47, n° 2, pp. 370-373, 2002.

**Book**: Author(s). *Book title*. Location: publishing Company, year, p. *Example*:

[2] R. Lauwerys. *Toxicologie Industrielle et intoxications professionnelles*, 5a ed. Paris: Elsevier Masson SAS, 1997, 1259 p.

**Book chapter:** Author(s). “Chapter title” in *Book title*, edition, volume. Editors name, Ed., pp., Publishing location: Publishing company, year. Example:

[3] J.E. Young. “Synthetic structure of industrial plastics,” in *Plastics*, 2nd ed., vol. 3, J. Peters, Ed., pp.167, New York: McGraw-Hill, 1964.

**Articles from Conference Proceedings (published):** Author(s). “Article title.” Conference proceedings, year, pp. Example:

[4] D.B. Payne and H.G. Gunhold. “Digital sundials and broadband technology,” in Proc. IOOC-ECOC, 1986, pp. 557-998.

**Papers Presented at Conferences (unpublished):** Author(s). “Paper’s title,” Conference name, Location, year. Example:

[5] B. Brandli and M. Dick. “Engineering names and concepts,” presented at the 2nd Int. Conf. Engineering Education, Frankfurt, Germany, 1999.

**Standards/Patents:** Author(s)/Inventor(s)/institution, *Name/Title*, Country where patent is registered. Patent number, date. Examples:

[6] E.E. Rebecca. “Alternating current fed power supply.” U.S. Patent 7 897 777, Nov. 3, 1987.

[7] USACE, *Risk-Based Analysis in Geotechnical Engineering for Support of Planning Studies*, ETL 1110-2-556, U. S. Army Corps of Engineers, 1999.

**Dissertations and Theses**: Author. “Title.” Degree level, school, location, year. Example:

[8] S. Mack. “Desperate Optimism.” M.A. thesis, University of Calgary, Canada, 2000.

**Electronic References (Books):** Author. (year, Month day). Book title. (edition). [Type of medium]. Vol. (issue). Available: site/path/file [date accessed]. Example:

[9] S. Calmer. (1999, June 1). Engineering and Art. (2nd edition). [Online]. 27(3). Available: www.enggart.com/examples/students.html [May 21, 2003].

**Electronic References (Journal):** Author. (year, month). “Article title.” Journal title. [Type of medium]. Vol. (issue), pages. Available: site/path/file [date accessed]. Example:

[10] A. Paul. (1987, Oct.). “Electrical properties of flying machines.” Flying Machines. [Online]. 38(1), pp. 778-998. Available: www.flyingmachjourn/properties/fly.edu [Dec. 1, 2003].

**Electronic References (World Wide Web):** Author(s)\*. “Title.” Internet: complete URL, date updated\* [date accessed]. Example:

[11] M. Duncan. “Engineering Concepts on Ice. Internet: www.iceengg.edu/staff.html, Oct. 25, 2000 [Nov. 29, 2003].