



**Innovation in research and engineering education:
key factors for global competitiveness**

*Innovación en investigación y educación en ingeniería:
factores claves para la competitividad global*

INSTRUCTIONS FOR SUBMITTING FULL WORKS

1. Length

The work must not exceed eight letter-sized (8.5" x 11") pages, which are to be single spaced and one-sided, including summaries, tables, diagrams, figures, references and all other content. If the work does not meet this requirement, it will be returned to the author(s) and excluded from publication.

2. Format of Content

The text must be typed single-spaced, using Microsoft Word or an equivalent and compatible word processor, in a single column on letter-sized paper (8.5" x 11").

The top, bottom, left and right margins must be 1 inch. The title must be center aligned and written in bold, all capital letters, 18-point Arial font.

The name(s) of the author(s) must appear below the title following two blank lines, in 11-point Arial font, centered, bold and capitalized. Only the names of those indicated as authors in the previously submitted summary may be included here. Do not use professional titles (PE, MSc, PhD, etc.).

The institution(s) to which the author(s) belong must appear following their name(s) and one blank line, in 11-point Arial, center aligned, bold and capitalized. In the case of several authors from different institutions, the respective association between the latter and the former must be established via the use of superscripts at the end of the authors' names and at the beginning of the institutions' names. At the end of the document there will be a section with the title "About the Authors," where, within a maximum of three lines per author, the title(s), position and e-mail address of each author may be provided.

The heading Abstract, center aligned and in bold, must appear following two blank lines below the name(s) of the institution(s). This text as well as the rest of the work must be single-spaced and justified, typed in 11-point Arial font.

One line below the heading Abstract, the content thereof must appear. This abstract must be similar to that accepted by the Academic Committee, but may be slightly improved if deemed pertinent by the authors (maximum 350 words). **Important: please abstain from citing references in the abstract.**

The subheading "Keywords" must be followed by three words that allow the work's content or that with which it is directly associated to be identified. It is to be written 0.4 inches below the final line of the preceding paragraph.

The heading "Resumen" must appear next, separated from the previous section by one blank line and

written following the same guidelines; this must also include a translation in Spanish. It is important that the abstract in Spanish be written according to proper Spanish grammar and not be simply a literal translation. Remember that the quality of the abstract both in English and Spanish is essential to inviting the reader to view the full document.

Following the translation in Spanish, a translation of the keywords is to be included. (Palabras clave)

The paper body – written in single-spaced, justified (no columns), 11-point Arial font – must then begin (usually with an introduction) following two blank lines.

The headings corresponding to each section of the paper body, beginning with **1. Introduction** and ending with **X. References**, must be numbered consecutively with Arabic numbers, may not contain any sort of animation, and must be written in bold, capitalized and left aligned 11-point Arial font. One line below, the corresponding text must begin. One blank line must be left between paragraphs.

Figures, diagrams, graphs, photographs and similar items may be submitted in color; they should have good quality, and must appear in place in the corresponding text; these items constitute part of the eight (8) page maximum established for this document.

Footnotes are to be used only when strictly necessary to explain some part of the main text and must be separated from the said text by a line from the left to the center of the page. Any footnote must begin with [n], with n being a unique number for each footnote, which must be typed in 8-point Arial font.

Each page must be numbered consecutively in Arabic numbers; the page number must be centered at the bottom of each page outside of the margin.

The “References” section must include bibliographic entries corresponding to any literature that warrants citation within the work. The in-text citations must follow the author/year system, which lists in parentheses the surname of the author followed by the year of publication (author, year). All works cited in the “References” section must be also cited in the text body, and viceversa. Examples of in-text citations are as follows: “In contrast, Lopez (1996)...” or “In a recent work (Lopez, 1996)...” In the case of multiple authors: “Lopez, *et al.* (1996)...” or “...(Garcia, *et al.*, 1996).”

At the end of the text, references must appear in alphabetical order. The format to be used for this list is shown below:

- **Articles**
Berrio, A. C. and Perez, S. J. (2002). Towards a new concept in engineering education. Journal of Educational Technology, Vol. 24, No. 12, pp. 269-286.
- **Books**
Acosta, J. (2001). Ciudades del Conocimiento. Panamericana formas e impresos, Bogotá, D.C., pp. 116.
- **Conference minutes**
Eppinger S.D. and Salminen V. K. (2001). Patterns of product development interactions. Proceedings of ICED '01, Vol. 1, Glasgow, pp. 283 - 290.
- **Electronic sources**
University of Hong Kong. (1997, June). Final report: Ad Hoc Group for Learning Technologies. Consultado el 21 de mayo de 2002 en

Composition of the paper: the text must be written clearly, objectively, concretely, technically and in third-person. Do not compose extensive paragraphs, as they may confuse the reader. Please review your paper carefully before submitting it.

Keep in mind that those papers that do not follow the aforementioned instructions will not be accepted.

3. Authors' Copyright

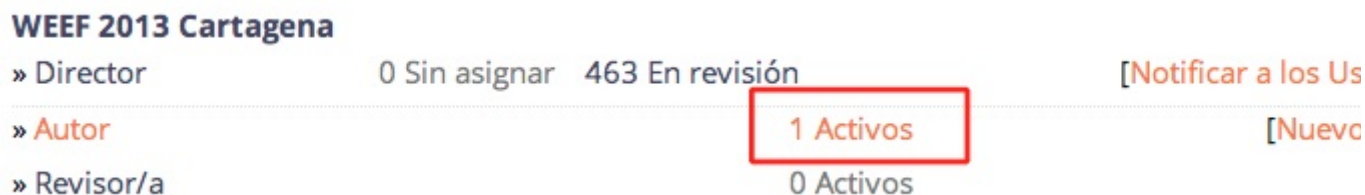
All works submitted will be compiled in the minutes of WEEF 2013. This publication will be created by the Colombian Association of Engineering Colleges (ACOFI, according to its Spanish abbreviation), and due credit will be given to each author. Publication does not imply any monetary recognition for the authors.

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4. Submitting works

The work, including images, tables, graphs and other items, must be submitted digitally as a single file in Word format (files in PDF format are not accepted). This file must be uploaded to the website www.acofipapers.org by following these steps:

Step 1: Log into the website (www.acofipapers.org) with your username and password, then click on "1 Activos":



The screenshot shows a dashboard for 'WEEF 2013 Cartagena'. It lists three roles: Director, Autor, and Revisor/a. For each role, it shows the number of articles in different states: 'Sin asignar' (Not assigned) and 'En revisión' (Under review). The 'Autor' role has a red box around the '1 Activos' (1 Active) count. There are also links for '[Notificar a los Us' and '[Nuevo'.

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EXAMPLE

Author 1 11-point Arial, bold and centered (speaker underlined)

Institution 11-point Arial, bold and centered
City, Country

[illegible]

3. Heading 3 (11-point Arial, bold and left aligned)

[illegible]

4. Heading 4 (11-point Arial, bold and left aligned)

[illegible]

5. References (11-point Arial, bold and left aligned)

- **Articles**

Berrio, A. C. and Perez, S. J. (2002). Towards a new concept on engineering education. Journal of Educational Technology, Vol. 24, No. 12, pp. 269-286.

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