**FORMAT OF THE PAPER TO BE PRESENTED AT THE IX CAIM / IV CAIFE 2025**

First name A. Surname1, First name C. Surname2\*, .... and First Name F. Surname3

1 Academic Department of Mechanics - UTN Regional Faculty Santa Fe

2 CONICET - Institute.................................

3 Faculty of Engineering, University.........

\*Email: author.contact@......... (in bold and not underlined)

**ABSTRACT**

This document should be used as a template for the full paper to be presented at the IX Congreso Argentino de Ingeniería Mecánica / IV Congreso Argentino de Ingeniería Ferroviaria. It contains the structure and text formats.

The first page should only contain the Title, Authors (up to 6), affiliation, Abstract and Keywords. The TITLE OF THE PAPER, in Arial 12 Bold, centred, spaced from the heading by four lines of 12 pts. The authors, identified by their first name, middle initial and surname, in ARIAL 10 bold, centred, are included one line apart. If the number of authors covers more than one line, single line spacing should be used between them, and the last line should be spaced 6pt backwards. On the next line, the authors' institutions are indicated, without repeating them and with the corresponding postal addresses (in Arial 10) referred to with numerical superscripts in the Surnames. On the next line, the e-mail address of the ‘contact author’ indicated with an asterisk superscript ‘\*’ in the list of authors should be indicated.

The word ABSTRACT, in Arial 10 bold capital letters, must be centred, with a leading spacing of 24 pt. and a post spacing of 6 pt.

The text of the abstract must be written in Arial 10, single-spaced, with no spacing between paragraphs, and justified alignment. It should contain the objective of the work, methodology, results and conclusions, without exceeding 300 words. In the full paper, the abstract may differ from the one originally accepted, as long as it does not alter the nature of the objective of the work.

Following this, leaving a space of (10 pt.), the key words must be included, up to a maximum of four (4), in Arial 10 italics, with the first letter of each word in capital letters.

**Keywords**: Paper Format; Congress; Mechanical Engineering; Railway Engineering.

**1. INTRODUCTION** (18 pt. leading and 6 pt. trailing spacing)

The second page should begin with the title 1. INTRODUCTION. The body of the article should be written in ARIAL 10 with 1.5 line spacing. All titles and text should be in black.

The Scientific Technical Committee (CTC) will evaluate papers considering:

* **Format:** The same must comply with the established presentation standards, including structure, style and specific format requested.
* **Correspondence of title and abstract with the full paper**: The title and abstract should reflect the content of the full paper.
* **Grammatical and idiomatic consistency:** The paper should be written in clear, precise and formal language, free of grammatical spelling or punctuation errors and with coherence in the written paragraphs**.**
* **Introduction:** A significant context of the study or research should be presented, detailing the problem statement and defining the objectives and scope of the work.
* **Description of the methodology:** The approach, methods and tools used for the development of the study or research should be detailed in a precise manner**.**
* **Results:** The findings should be presented in an organised manner, supported by relevant data and analysis. Relation of the results to the stated objectives. Explanation of patterns or trends observed.
* **Conclusions:** The most important results should be included, highlighting their relevance and possible implications.
* **References and bibliography:** The sources consulted should be included, following the citation format indicated in the document. References should be relevant, current and appropriate to the subject matter.

Papers must have a minimum length of 6 (six) pages and a maximum length of 12 (twelve) pages. Authors should NOT number the pages of the paper. Footnotes should be completely avoided. If acronyms are used, they should be defined immediately before their first occurrence.

Papers will be submitted through the procedure indicated on the Congress website via the OCS (Open Conference System). Authors will be notified of the result of the evaluation within the specified deadline. Approved papers, whose authors have accredited their registration fee, will be published in the Congress Proceedings, which will be made available to the authors by ad-hoc procedure. The maximum number of authors per paper is 6 (six).

To participate in the activities of the IX CAIM / IV CAIFE 2025 you must pay the registration fee as author or assistant. The ‘author registration fee’ grants the right to present up to two (2) papers and to have them included in the conference proceedings. Any of the authors of the paper, who have paid the registration fee, may perform the oral presentation of the paper.

Efforts will be made to maximise the number of oral presentations in order to encourage discussion and exchange of ideas among participants. In addition, for authors presenting more than one paper, one of them, at the discretion of the CTC and the Organisation, could be selected for poster presentation. Spanish is the official language of the Congress. Papers may also be presented in Portuguese and English.

Papers will be sent in digital PDF format, and may contain graphics and/or figures in colour. The page size will be that corresponding to A4 format (210 x 297 mm), with margins of 4 cm top (corresponding to the header of the pages with the congress logo), 2 cm bottom (corresponding to the footer), and 2.5 cm left and right.

For enquiries about submitting papers to the OCS, please write to: [caimcaife.mesadeayuda@gmail.com](mailto:caimcaife.mesadeayuda@gmail.com)

In terms of structure, the paper should be divided into sections, numbered in ascending order and titled in ARIAL 10, bold. Depending on the content and subject matter of the work, different sections may be considered; in general, it is recommended to follow a classic structure with an introduction, including the background and objectives of the work, an analytical and/or experimental part describing the procedures, equipment and methods, a section devoted to presenting and discussing the results, a section relating the main conclusions of the work and a final section dedicated to bibliographical.

In relation to the latter, bibliographical references should be indicated in the text in square brackets, numbered in order of appearance in the text, in the form [1], and included at the end of the text (see section 4). For more than one reference, [1,3] (references 1 and 3) and [2-4] (references 2, 3 and 4) should be used. Additionally, a section devoted to acknowledgements to persons or institutions that have contributed to the realisation and/or financing of the work may be included.

* 1. **Sub-sections** (leading 12 pt. and trailing 6 pt.)

Each section may be divided into different subsections which will be numbered in ascending order by two numbers, the first indicating the section and the second the corresponding subsection. Each subsection title will have 12 pt. leading spacing and 6 pt. trailing spacing. ARIAL 10, bold, first capital letter. A subsection may be further divided into sections,

**1.1.1 *Paragraph within a subsection*** *(leading 12 pt. and trailing 3 pt.)*

This is an example of a paragraph within a subsection, with the title of the paragraph, in Arial 10 bold italics, with 12 pt. leading and 3 pt. trailing spacing.

**1.1.2 *Electronic format and submission of papers*** *(12 pt. leading and 3 pt. trailing spacing).*

Papers must be uploaded to the self-management platform (OCS), only in PDF format, in accordance with the format indicated in this document, until the deadline for submission of papers published on the Congress website.

The OCS can be accessed directly at <https://amcaonline.org.ar/caim-caife> or from the congress website: [https/www.caimcaife2025@fie.undef.edu.ar](mailto:https/www.caimcaife2025@fie.undef.edu.ar)

1. **ECUATIONS, FIGURES AND TABLES** (18 pt. leading and 6 pt. trailing spacing)

Each equation must be numbered using Arabic numerals in brackets.

Equations in ARIAL 10 must be inserted centred on separate lines from the text, leaving a space of 6pt above and below to separate them from the surrounding text. The text shall refer to Equation (1), Equation (2).

F(t) = at-n (1)

It is recommended to prioritise the use of the International System of Units (SI).

Figures should be inserted so that they are independent of the text, centred, and with a lower legend, written in ARIAL 10, as indicated in the example of Figure 1.

A line of 10 pt from the paragraphs should separate figures before and after them.

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Figure 1: Example of a figure inserted in text

Tables should be inserted so that they are independent of the text, centred, and with a legend at the top, written in ARIAL 10, as shown in the example in Table 1:

Table 1: Example of a table inserted in text

|  |  |  |
| --- | --- | --- |
| Parameter |  |  |
| Z1 |  |  |
| Z2 |  |  |

All tables must be numbered. In the text they should be referred to by the word Table followed by the order number in which they appear. Tables should be separated by a 10 pt line from the paragraphs before and after the table.

1. **CONCLUSIONS** (Spacing before 18 pt. and after 6 pt.)

They should be judged to be consistent and coherent. Other issues may be included, for example, mention of unanswered questions that could be addressed in the future.

1. **ACKNOWLEDGEMENTS** (optional) (Spaced 18 pt. in front and 6 pt. in back)

In addition, a section dedicated to the acknowledgements to persons or institutions that have contributed to the realisation and/or financing of the work may be included.

The authors of this paper would like to thank ...... for their support. ................

**5. REFERENCES** (Spacing before 18 pt. and after 6 pt.)

It is considered valuable to include references to texts and articles from recognised publications, with the incorporation of those of recent editions being considered. The way to indicate bibliographical citations in the text is specified at the end of section **1 INTRODUCTION**. Only references cited in the body of the document should be included, according to their order of appearance. References format according to APA Style (7th edition, 2024). Some examples are given below:

**1. Book**

[1] Surname, A. A. and Surname, B. B. (Year). Title of the book in italics. Edition. Publisher.

Example: [1] Budynas, R.G. and Nisbett, J. K. (2012). Shigley's Mechanical Engineering Design. 9th Ed. McGraw-Hill.

**2. Journal article**

[2] Surname, A.A. and Surname, B.B. (Year). Title of the article. Title of the journal in italics, volume (number), pages. https://doi.org/xxxx (if available).

Example: [2] Moreno J. and Chiecher A., (2019). Dropout in Engineering careers. A study of academic, socio-demographic, labor and life aspects. Cuadernos de Investigación Educativa, 10, (2),73-90, DOI: <https://doi.org/10.18861/cied.2019.10.2.2908>

**3. Online article**

[3] Surname, A. A. (Year). Title of the article. Name of the website. URL

Example: [3] Lu S. and Whiteman H. (2015) Would you pass the college entrance exam in China, CNN en español.

<https://cnnespanol.cnn.com/2015/06/09/aprobarias-el-examen-de-ingreso-a-la-universidad-en-china>

**4. Institutional report or document**

[4] Name of the institution (Year). Title of the report in italics. URL (if applicable)

Example: [4] World Health Organization. (2020). The World Mental Health Report. <https://www.who.int/informes/saludmental2020>

**5. Thesis or dissertation**

[5] Surname, A. A. (Year). Title of the thesis or dissertation in italics (Doctoral thesis, Name of the Institution awarding the degree). Name of the database. URL (if available)

Example: [5] Jerez, O., (2012), Los resultados de aprendizaje en la Educación Superior por Competencias. Doctoral Thesis, University of Granada, Spain. ISSN: 978-84-695.1027-8. https://dialnet.unirioja.es/servlet/tesis?codigo=62470

**6. Norm or standard**

[6] Name of the organisation (Year). Title of the standard in italics (Code and number of the standard). Publisher (if applicable). URL (if obtained online).

**7. Paper presented at a congress or conference**

[7] Surname, A. A., and Surname, N. T. (Year). Title of the paper. Title of the Congress, Registration (ISBN or ISSN), Place and dates.

Example: [7] Xiaobin L. and Zelong L. (2013). Stress concentration factors due to typical geometric discontinuities for shaft design by numerical simulation. ASEE Annual Conference & Exposition, Atlanta, Georgia, June 23-26, 2013, DOI 10.18260/1-2-22476

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**Important guidelines:**

- ***Italics***: Book and journal titles, conference names and standards should be in italics.

- **DOI**: If an article has a DOI, it should be included at the end of the reference.

- **URL**: For online sources, include the full URL, with black text without hyperlink formatting. Do not apply ‘Retrieved from’ unless necessary (e.g. if the date of access is relevant).