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| C:\Users\Pintye Gabor\Pictures\New Picture (4).bmp |  TECHNICAL UNIVERSITY OF CLUJ-NAPOCA |
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|  **ACTA TECHNICA NAPOCENSIS** **Series: Applied Mathematics, Mechanics, and Engineering** **Vol. XX, Issue xx, Month, 20xx** |
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**INSTRUCTIONS FOR AUTHORS AND SAMPLE PAPER**
**(14 PT, BOLD, CAPITAL LETTERS, CENTERED.)**
**¶** (12 pt)
**Firstname1 SURNAME1, Firstname2 SURNAME2** **(12, pt bold)**

¶ (12 pt)

¶ (12 pt)

***Abstract:*** *Abstract of 50-120 words (10 pt, italic)*

***Key words:*** *List 5-6 keywords. (10 pt, italic).*

¶ (12 pt)

**1. INTRODUCTION (12 PT, CAPITALS, BOLD)**

¶ (12pt)

(12 pt, normal)All text should be written in **English.**

 The paper should present clearly original contributions, which have not been previously published elsewhere.

* The paper has to be written in MS Word format.
* The paper must have an even number of A4 pages (max. 10).
* Use all the page area for the text.

¶ (12pt)

**2. INFORMATION**

¶ (12pt)

**2.1 Page layout (12 pt, bold)**

* Use an A4 page format (210 x 297 mm), with the following settings:
* Margins:

 Top, Bottom, Left – 25 mm, Right – 15 mm .

 Header - 21 mm; Footer - 12 mm.

* 2 columns, spacing between columns: 7 mm.

**2.2 Titles**

* paper title: 12 pt bold, capital letters;
* author's name(s): 12 pt bold;
* abstract: 10 pt, *italic, single column*
* keywords: 10 pt, italic;

**2.3 Body of the paper**

* Paragraphs:

 alignment – justified;

 line spacing – single.

* Tab stop position: 5 mm
* Fonts
* Font style: Times New Roman.
* Font size for:
* **chapter titles**: 12 pt bold, capital letters; Widow/Orphan control + Keep with next + Keep lines together;
* **subtitles**: 12 pt bold, numbered, left aligned, upper and lower case; Widow/Orphan control + Keep with next + Keep lines together.
* text: 12 pt.; regular



**Fig. 13.** Title of figure, center aligned.(TNR 10pt)

¶ (12pt)

**3. FIGURES**

¶ (12pt)

* Figures must be high quality (at least 300 dpi), which is suitable for reproduction and print. Place figures (center aligned) at the top or bottom of a column wherever possible, as close as possible to their first reference in the paper. Figures larger than the column width can be placed on the whole width of the page but only at the top or the bottom of a page. The size of the text inside the figures and the notations have to be 10 pt. Figure number - 10 pt, bold, centered aligned, followed by figure title- 10 pt, regular.

¶ (12pt)

**4. TABLES**

¶ (12pt)

Table number - 10 pt, italic, right aligned; table title and content - 10 pt, bold, centered; table content and content - 10 pt, regular, centered.

*Table 1*

**Title of table - center aligned and justified, 10 point, bold.**

|  |  |  |  |
| --- | --- | --- | --- |
| Column 1 | **Column 2** | **Column 3** |  **Column 4** |
| Row 1 | 4,83 | 5,85 | 7,10 |
| Row 2 | 4,87 | 5,27 | 5,73 |
| Row 3 | 4,12 | 4,99 | 6,06 |
| Row 4 | 14,81 | 16,16 | 17,65 |

¶ (12pt)

**5. EQUATIONS**

¶ (12pt)

Equations should be centered and numbered consecutively (right aligned); the number of the equations should be placed between brackets. Use the equation editor only.

¶ (12pt)

 $\left\{\begin{array}{c}\&X\_{s}=k⋅u⋅\sin(α\_{0})-\left(R\_{R}+k⋅m⋅\frac{π}{4}\right)\\\&Y\_{s}=0\\\&Z\_{s}=-u⋅\cos(α\_{0})\end{array}\right.$. (1)

¶ (12pt)

**6. CITATIONS**

¶ (12pt)

A number enclosed in square brackets, (eg. [1] or [26]) placed in the text of the paper, indicates the relevant reference.

All references must have corresponding in-text citations in the body of the paper.

¶ (12pt)

**7. CONCLUSION**

¶ (12pt)

Conclusions must briefly emphasize the main findings of the reported work.

¶ (12pt)

**8. REFERENCES**

¶ (12pt)

The references should be listed in the order of their apparition in the text. References to journal articles or conference papers must be written accordingly with the citation mode indicated by the Journal or Conference Proceedings, where the paper was published. The authors should be indicated with the surname (family name) and the first letter of the given name. For papers with more than four authors, only the first will appear, followed by “*et al.*”. The year of publication and the *title* (in italic) must follow the authors. Books must be indicated with the authors, title (in bold), publishing house, and year of publication; a page number could be added to help the reader.

**Examples**

[1] Samanta P., Murmu N.C., Khonsari M.M., 2019, *The evolution of foil bearing technology*, Tribology International, 135, 305-325.

[2] Sakhamuri M.S.D. et al., 2023, *Wear induced changes in surface topography during running-in of rolling-sliding contacts*, Wear, 522, 204685.

[3] Young, W., Budynas, R., **Roark’s formulas for stress and strain**, ‎McGraw-Hill Co., 2011.

[4] Braun M., Pierson K., Snyder T., 2017 *Two-way coupled Reynolds, Rayleigh-Plesset-Scriven and energy equations for fully transient cavitation and heat transfer modeling* IOP Conf. Ser.: Mater. Sci. Eng., 174, 012030.

[5] Mahadeshwara, M. R., 2017, *Elastohydrodynamic Lubrication (EHL): Theory and Definition*, Retrieved Oct 18, 2023, from <https://www.tribonet.org/> wiki/elastohydrodynamic-lubrication-ehl/.

¶ (12pt)

**Title and abstract translated in French, German or Romanian** (10 pt)

¶ (12pt)

**Author’s Name Surname,** Title, Affiliation, E-mail,

The same for all authors.

The corresponding author shall be marked with “\*” after the surname.