**Instructions and editing model**

The **INCAS BULLETIN** of the INCAS – National Institute for Aerospace Research “Elie Carafoli” publishes:

**1) Full Papers.** Presentation of significant researches, developments, or applications in the aerospace field, namely:

|  |  |
| --- | --- |
| ■ | Fluid mechanics, aerodynamics, theory of flight, gas dynamics, aerothermodynamics, combustion, hydromechanics. |
| ■ | Rarefied atmosphere flight, optimization of space path, computing of orbits, optimization of interorbital transfer, impact of space vehicles with meteorites, astrorelativity. |
| ■ | Strength of materials, elasticity, plasticity, aeroelasticity, static and dynamic analysis of structures, vibrations and impact. |
| ■ | Systems, mechatronics and control in aerospace. |
| ■ | Materials and tribology. |
| ■ | Kinematics and dynamics of mechanisms, friction, lubrication. |
| ■ | Measurement technique. |
| ■ | Aeroacoustics, ventilation, wind motors. |
| ■ | Management in Aerospace Activities. |

**2) Technical-Scientific Notes and Reports, Case Studies.** Includes: case studies, technical-scientific notes and reports on published areas (max. 16 pages, min. 4 pages in the journal format).

**3) INCAS News.** Promote and emphasise INCAS technical base and achievements.

**4) Book Reviews.**

1. PAGE FORMAT

Page setup: Margins: Top – 2 cm, Bottom – 2 cm, Left – 1.5 cm, Right – 1.5 cm, apply to whole document; Paper size: 17.5×25.5 cm; Orientation: Portrait; Layout: *Section:* Continuous, *Header and Footer:* 1.27 cm, Different odd and even pages, Different first page, *Vertical Alignment:* Top.



2. MAIN TITLE

Font: Times New Roman, 16, bold, centred, spacing before: none.

3. THE AUTHORS

Names, style. Font: Times New Roman, 12 pt, regular, centred; first name − regular, family name − all caps; alignment: centred; spacing: before − 18 pt, after − 12 pt. A comma separates the names.

Affiliation with addresses, style. For a single affiliation, no superscript number is necessary. In case of different authors, from different institutions, one marks every name by a number of asterisks (like exponents). The legendsof these asterisks (the affiliations with addresses), will be indicated under authors lines. When there are several authors, note the Corresponding author (affiliation, address, e-mail) under the author lines. Use the style: Font: Times New Roman, 12 pt, regular, centred.

4. ABSTRACT AND KEYWORDS

Font: Times New Roman, 10 pt, italic. Paragraph: justify; spacing: before − 24 pt, line spacing: single.

The Abstractis followed by the Key Words, the distance between them is 6 pt, and the distance between Key Words and the first chapter is 18 pt.

5. CHAPTERS TITLES

The chapters are countered beginning with: 1. XXXX, using the style: font: Times New Roman, 12 pt, bold, all caps; paragraph: alignment: centered; spacing: before − 18 pt, after − 6 pt.

6. PAPER’S TEXT

Font: Times New Roman, 11 pt. Paragraph: alignment: justified. The first paragraph in the chapter is non indented. Indentation for the following paragraphs: first line 0,7 cm. Line spacing: single.

Original and high-standard scientific papers shall be drawn up in a concise style, avoiding any oversized introduction.

7. FIGURES, TABLES

Figures and Tables shall be introduced at their appropriate place in the text and shall not be larger than a page width (17.5 cm) each. The legend of figures is included bellow the figure (centered) and for tables before, both with the style: Font: Times New Roman, 9 pt, regular; paragraph: spacing: before − 6 pt, after − 6 pt, alignment: centered.

Landscape tables are not accepted.

8. EQUATIONS AND FORMULAS

For formulas and equation, use only **Microsoft Office Word** (Microsoft Equation Editor).

Table 1 – For formulas and equation, use only a Microsoft Equation Editor with these settings:

|  |  |
| --- | --- |
| Variable quantities and universal constants | *italic: x, y, z, c, h,* |
| Variable Greek quantities | regular: Φ, Δ, Σ, Ω, α, β, η, ω |
| Variable indexes | *italic: i, j, k, p, q, m, n* |
| Numerical indexes | regular: 1, 2, ... |
| Indexes arising from physical quantities | *italic: r*, *v*, *t*, *p*, *x*, *y, z* |
| Indexes arising from the text | regular: ext, int, e, i |
| Variable greek indexes | regular |
| Latin constants | *italic: c*, *k*, …  regular: 0, 10, const., e, i = |
| Greek constants | regular: π, ε, μ, σ, τ, α, β, η, ω |
| Well-known operators and functions | regular: div, grad, curl, log, exp, sin, cos, ln, lg, tan, cotan; or, regular+ *italic*, such as: |
| Generic functions | *italic: f*(*x*)*, g*(*z*) |
| Spatial vectors, matrices, tensors | *italic* + **bold**: ***u***, ***M*** |
| Transpose matrices | *italic* **+ bold** + regular: |
| Differential | regular: d*x*, d*V*, |
| Partial derivative | regular: ∂ |

It is strongly recommended to use a table with one row and two columns: in the first column, one writes the equation and in the second, the equation’s number.

Table: Insert table: number of columns: 2; number of rows: 1; space between columns: 0 cm, alignment: Centered; Width of Column 2: 1 cm. Spacing before: 6 pt; spacing after: 6 pt, format border: none.

Table 2 –The following Setup instructions are recommended:

|  |  |  |
| --- | --- | --- |
| **Format + Spacing** | Line spacing | 150% |
| Matrix row spacing | 150% |
| Matrix column spacing | 50% |
| Superscript height | 35% |
| Subscript height | 25% |
| Limit height | 25% |
| Limit depth | 100% |
| Spacing adjustment | 150% |
| Embellishment gap | 1.5 pt |
| **Style + Define** | Text | Times New Roman |
| Function | Times New Roman |
| Variable | Times New Roman italic |
| LC. Greek | Symbol |
| UC. Greek | Symbol |

|  |  |  |
| --- | --- | --- |
|  | Symbol | Symbol |
| Matrix + Vector | Times New Roman  **bold** + *italic* |
| Number | Times New Roman |
| **Size + Define** | Full | 11 |
| Sub + Superscript | 7 |
| Sub-Sub + Superscript | 6 |
| Symbol | 18 |
| Sub-Symbol | 12 |

9. REFERENCES LIST

The title, REFERENCES, will be printed as chapter title. Style: font: Times New Roman, regular, 9 pt; paragraph: alignment: justified, special:hanging 1 cm; line spacing: single. Numbered.

Inside the text, the books or the revues from REFERENCES List are referred between square brackets: [1], [23].

The formats for references without authors and for referencing articles in journals, books, articles in books and proceedings are:

[1] \*\*\* European Aviation Safety Agency. *CS-25, Airworthiness codes for large aero-planes*, October 2003. Available at [www.easa.eu.int](http://www.easa.eu.int).

[2] C. Ohtar, A. Fujita, P. N. Nikiforov and M. K. Santa, Active flutter suppression for two-dimensional airfoils, *Journal of Guidance*, *Control and Dynamics*, vol. **14**, no. 2, pp. 283-293, 1991.

[3] T. R. Nail, *A disturbance-rejection problem for a 3-D airfoil exhibiting flutter*, Thesis, Virginia Tech., 2000.

[4] J. J. Black and H. Rilliatt, Active control of a structure, *AIAA Paper 99-0036.*

[5] R. Sind and M. Krenner, *Robust aeroservoelastic stability analysis*, Springer, London, 2000.

[6] P. Santorini, *Nonlinear Control Systems*, London, UK, Springer-Verlag, 3rd ed., 2005.

[7] R. Ceaikovski and P. Soznovski, *Neural approximation: a control perspective*, in Neural Network Engineering in Dynamic Control Systems, K. Runt, G. Irwin and F. Warwick (Eds.), Springer, 1995.

[8] F. Rudin, *The method of statistical linearization for nonlinear stochastic vibration*, in F. Ziegler and G. I. Schuller (Eds), *Nonlinear Stochastic Dynamic Engineering Systems,* pp. 45-56, IUTAM Symposium on Nonlinear stochastic dynamic engineering, Innsbruck, Austria, June 21-26, 1987, Springer Verlag, 1988.

**10. RECEIVING DATE**

It will be placed at the end of the article with the following style: Font: Times New Roman,

9 pt, italic; paragraph: alignment: right, line spacing: before: 12 pt.

11. THE FORWARDING

The whole responsibility for the accuracy of calculations, experimental data and scientific interpretation belongs entirely to the authors.

The author declares on his own responsibility that the paper has not been previously published elsewhere.

The manuscripts (at most 16 pages), edited using **Microsoft Office Word** and **Microsoft Equation Editor** (*no MathType Editor*), will be saved with the extension **.docx** and **.pdf** and must be sending by e-mail to the editorial secretary,

Elena NEBANCEA, e-mail: [nebancea.elena@incas.ro](mailto:nebancea.elena@incas.ro)

A model of paper editing can be found at the following web address:

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<http://www.incas.ro> (Publications / INCAS BULLETIN)