

PROBLEMS OF MECHATRONICS
ARMAMENT, AVIATION, SAFETY ENGINEERING

ISSN 2081-5891



.....,, 20...,

The title should be brief and concise, without the use of acronyms or abbreviations (Times, bold, size 14)

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First name LAST NAME^{1*}, First name LAST NAME² (Times, size 12)

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¹ *Institutional affiliation - complete postal address,*

² *Institutional affiliation - complete postal address,*

**corresponding author, e-mail:*

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Manuscript received Final manuscript received

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Abstract. Each full-length paper must be accompanied with an abstract (no more than 150-250 words), written as a single paragraph. It should be a self-sufficient summary (not an introduction!). Acronyms and abbreviations should not be used. The abstract should indicate the subject dealt with in the paper and should state the goal of the investigation. Readers should not have to read the paper to understand the abstract (Times, 10 size).

Keywords: key words should be given under the abstract (maximum five words or short phrases excluding title words)

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1. INTRODUCTION (Times, size 12; *first order heading*)

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The manuscript should be divided into sections in the following order: Abstract, Keywords, Introduction, Materials and Methods, Results and Discussion, Conclusion, Acknowledgements and References.

In terms of standard-sized, one spaced manuscript pages with the 11-point font (Times New Roman), the maximum length for the full-length paper is 12-16 pages (B5: 166x235 mm).

The margins to be used for your paper as follows. In Word click on “File”; go to “Page Setup”; go to “Margins”. For Top – 25 mm; Bottom – 15 mm; Left – 23 mm; Right – 18 mm.

Headings should be set flush left and the text should begin on the next line. For example:

first-level: **1. HEADING** (bold, all caps.)

second-level: **1.1. Heading** (bold, upper case and lower case characters)

third-level: **1.1.1. Heading** (bold, upper case and lower case characters)

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2. LANGUAGE

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Papers should be written in English. Authors less familiar with the English language should seek assistance colleagues in order to produce grammatically and semantically correct manuscript.

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2.1. Abbreviations (Times, size 12; *second order heading*)

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Each non-standard abbreviation should be introduced in parentheses immediately after first use of the complete word or phrase.

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2.2. Measurements and Units

One line space, 12-point type

Use only SI quantities and units, Arabic numerals for all numbers and for all measurements such as time, weight, length, area, concentration or temperature.

One line space, 12-point type

2.3. Mathematics

One line space, 12-point type

Be sure that subscripts and superscripts are readily apparent. Make clear difference between capital and small characters that are similar. Do not use gothic fonts. Exp should be written for exponential function. To save space, the solidus (/) must be used for fractions in the text and for simple fractions in displayed equations, but the record $ab/c/d$ is inadmissible, it should be ab/cd ; if the denominator contains the plus or minus sign, it should be enclosed into brackets. Mathematical equations should be centred between left and right margins and separated by one blank line above and below. All equations should be numbered with a number n in parentheses along the right margin. In the text, equations should be referred to as eq. (1), for example.

2.4. Tables and Figures

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Tables and figures should be numbered consecutively and include a clear descriptive caption. Tables and figures should appear as close as possible to their first mention in the text, and preferably after the mention. They should be referred to as „Table n” and „Figure n” where n is their corresponding number.

Labels for tables should appear centred at the top of the table. Write „Table n.” where n is the table number followed by the table caption.

Table 1. Experimental and calculated data (size 10)

Experimental data		Calculated data	
V_e	885.5	V_c	892.2
ΔT_e	- 2.9	ΔT_c	- 3.3
β_e	0.045	B_c	0.054

Tables and figures should be centered between the left and right margins. All print within tables and figures should be in Times New Roman font in the range of 8 point to 10 point. Labels for figures should appear centred below the figure.



Fig. 1. Example of figure (size 10)

Experimental data may be presented in graphic or tabular form, but the same data will not be published in both forms. Data points and relevant equations must be included on figures.

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2.4.1. Photographs (Times, size 12; *third-order heading*)

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Original photographs (black and white or colour) should be submitted with your manuscript if you do not insert halftones into your paper. Inserting a 300 dpi halftone is the preferred method.

If photographs will be submitted separate from the main text, they should be clearly marked as to where within the text they belong. Photographs should be treated as “Figures” and labeled as such.

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REFERENCES

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All references should be marked in the text as following Arabic numbers in square brackets. The full list of references should be collected and typed at the end of paper. To describe the cited literature we recommend the Chicago format. Examples of descriptions of bibliography in format Chicago are listed below:

Journals:

author 1# surname name, author 2# name surname. Year. “Title”. *Journal* volume (number) : pages.

- [1] Smirnov Alexandr, David Lempert, Tatyana Pivina, Dmitriy Khakimov. 2011. “Basic Characteristics for estimation Polynitrogen Compounds Efficiency”, *Central European Journal of Energetic Materials* 8(4) : 233-247

Books:

author 1# surname name, author 2# name surname. Year. *Title*. Place of publication: Publishing house.

- [2] Carlucci E. Donald, Sidney s. Jacobson.2014. *Ballistics. Theory and Design of Guns and Ammunition* (second edition). Boca Raton, FL: CRC Press Taylor & Francis Group

Chapter in a book (and lectures)

author 1# surname name, author 2# name surname. Year. Chapter title. In *Book title* (or *proceedings title*), pages. Publishing house.

- [3] May W. Ingo, Albert W. Horst. 1981. Charge Design Considerations and Their Effect on Pressure Waves in Guns. In *Progress in Astronautics and Aeronautics. Volume 66. Interior Ballistics of Guns*. American Institute of Aeronautics and Astronautics.

Stand-alone web document: <http://www.website.com/> (year)