

REQUIREMENTS FOR PRESENTING SCIENTIFIC PAPERS FOR THE JOURNAL „PHYSICS AND ENGINEERING: PROCESSES, MODELS, EXPERIMENTS”

I. The Journal Scope

The submitted materials should reflect recent achievements of Balti Sate University departments and research laboratories and of educational and research institutions from the Republic of Moldova and abroad.

The journal publishes scientific articles related to the following research areas:

- radio wave propagation in various media;
- development of numerically- analogical electronic devices;
- development of lasers and their application in material processing technologies;
- the study of external factor influence on the physical properties of the substance;
- classical and non-conventional technologies of material processing.

II. Requirements for Article Submission

2.1. General arrangements

Papers that have been published in other editions are not accepted. Articles should be accompanied by an extract from the minutes of the Chair/Laboratory/Scientific Seminar sitting where the papers had been discussed and recommended for publication. The submitted papers should be subject to the review of qualified specialists in the field, appointed by the editorial board.

2.2. Paper format and rules for submission

A person may be the author and / or coauthor of at most two articles. The volume of an article should not exceed, as a rule, 7 pages.

Each article should include:

- UDC;
- the title in Romanian / Russian and English;
- information about the author / authors in Romanian / Russian and English;
- the abstract in Romanian / Russian and English;
- the article itself;
- the bibliography.

2.3. Use of electronic support

Materials should be edited in **Microsoft Word**, **Times New Roman** font and page size should be A4 (297X210 mm). Page parameters: 25 - Left, 20 - Top, 20 - Bottom, 15 - Right, 17.5 - Header, 0 - Footer, 2 columns. Font size Print - 12 points. Paragraphs - 1 cm. Line Spacing within the same paragraph including the title and information about the author – one interval. Transference of words from one line to another is accepted. It is desirable that the last page should be complete.

2.4. Structure of the article

UDC should be placed on the left side of the page.

The title should be complete, up to 3 lines, on the full width of the page (12 points, BOLD, CENTER, ALL CAPS).

The information about the authors should be given in bold in the language of the written paper in the following sequence: author's surname and first name (full), affiliation. If the co-authors are employees at the same institution, its name should be given only once.

The abstract should include a brief description of the subject matter, methods and research findings and should not exceed 10 lines. Font size - 10 points. The word "Abstract" should not be typed.

The introduction should reflect the current state of research in the field. If need be, it will include a brief historical analysis. The introduction should end with an account of the paper aims.

The main text should include an account of the research methodology (experimental or theoretical), subject of research, equipment, measurement and observation methods, the precision

and errors of the experiment methodology. It should include the results and their analysis. It is not allowed to repeat data in tables, drawings and texts.

The conclusion should briefly expound on the essence of conducted research highlighting the importance and degree of the novelty of results.

The title of each paragraph should be in bold. A space should be left between chapter titles and the text.

One line space is left before the text of each two index sub-chapter title. Paragraphs should be marked by the introduction of a "<Tab>". Bold type (no underlying) should be used to emphasize certain concepts.

The tables should be numbered with Arabic numerals on the left (e.g.: "Table 1"); this should be followed in the same line by the title and the table itself. The tables should be separated from the current text by one space. All the lines that form the table welding should have the same thickness (1 point). The font of the figures in the text of the table should be normal, 10 points. If the text contains a single table, it should not be numbered.

The illustrations (figures, charts, diagrams, photos, etc...) should be black and white, inserted in the main text or on separate sheets. All figures should be numbered with Arabic numerals (in order of their appearance in the paper) after which they should be explained. All signs and markings should be defined in the explanatory text. If there are physical dimensions, the measurement units should be indicated. In case the work contains only one figure it should not be numbered. The figures should be separated from the current text by a space. The photographs included in the text should be scanned at a minimum of 300 dpi (preferably 600 dpi) resolution and should be processed for a good contrast.

It is not allowed to stick photos or drawings on separate sheets. The notes on figures should be in numbers or letters with similar 10 point font characters. The explanatory text should be typed with the same character size - 10 points.

Mathematical formulas. **It is obligatory** to write all mathematical formulas using the equation editor of Microsoft Word processor for Windows 95/97/98/2000, (Version 6.0 /, Version 7.0, 2000) in italics, centered, each one should be typed beginning with a new line. The corresponding requirements should immediately follow the formula beginning with "where" and observing the order of signs in the equation or relation. If the text contains more equations or relations, they should be numbered with Arabic numerals at the end of the line on the right side of the column. A comma should be used after the letter - symbol is deciphered; the measurement unit should be indicated.

The measurement units of physical dimensions should be presented through the International System of Units (SI).

The Bibliography. The term " *Bibliography* " should be separated from the text by space. In the text, the references should be inserted by numbers enclosed in square brackets, e.g. [2], [5-7], and should come at the end of the article in a separate list in order of their appearance in the text. The references should be given in the source language. References to unpublished sources are not allowed.

III. Concluding remarks

The information about authors and the abstracts in languages other than the source one should be placed after the bibliography. The content of the abstract presented in three languages should be identical.

The typed material should be presented both on a diskette and in a printed copy (with good contrast) signed by all authors (after the Bibliography).

One of the authors' address, telephone number and E-mail should be indicated for additional information.

The articles that do not meet the described requirements, the norms of language and style will be rejected.

The materials submitted to the editorial board will not be returned to the author.