

Guidelines for Authors

I. Main principles.

1. Authors shall be guided by the Ethics Code of Scientific Publications (<http://publicet.org/code/>) and bear responsibility for novelty and authenticity of scientific research. In particular,

1.1. Authors shall guarantee that the research results outlined in the submitted manuscript are fully original. Borrowed fragments or statements shall be given in proper format with mandatorily making reference to the author and primary source.

1.2. Authors shall not submit a manuscript to the journal that has been sent to another journal and is being considered for publication. In submitting his or her paper to the journal, the author confirms that it has not been published anywhere (*except for publication in the form of an abstract, a part of published lecture, review or a thesis/dissertation*), and that he/she agrees for its publication. At the manuscript submission stage, the authors fill in an assurance statement in which they confirm their adherence to the ethic principles, including confirmation that there is no conflict of interests among the paper authors.

1.3. Excessive citing of previously published own results is not accepted.

2. A paper shall contain a clear problem statement and conclusions with indicating the application field for the obtained results. Methodical guidelines on preparing and formatting scientific papers in journals indexed in international scientometric databases developed by the Association of Scientific Editors and Publishers can be found on <http://rasep.ru/members/biblioteka-anri>.

3. In agreeing an edited paper version, the author shall fill in the Agreement for Publication attached to the paper and return it to the Editorial Office by e-mail.

4. If there still remain disagreements between the author and reviewers, the journal's Editorial Board take the final decision about expediency of publishing the paper. If the Editorial Board rejects the paper, any further exchange of correspondence on it is terminated.

5. After having received a positive review conclusion and confirmation that the paper has been accepted for publishing, the authors submit to the Editorial Office a license agreement about granting to the National Research University Moscow Power Engineering Institute (NRU MPEI) the right to use the paper on the basis of a non-exclusive license. The right granting date shall be the date on which the author signs his or her agreement for publishing the paper in the *Vestnik MEI* journal. The paper **will not be registered in the scientometric database of RSCI** (Russian Science Citation Index) unless a licensing agreement is available.

6. The *Vestnik MEI* journal has been included in the list of leading peer-reviewed scientific journals and publications approved by the State Commission for Academic Degrees and Titles (SCADT).

II. Paper formatting rules

7. The paper volume should not be more than 15 typewritten pages (including tables, illustrations, and the list of references [figure panels (a) and (b) are regarded as two figures]). For review papers, it is allowed to increase their volume to 20--25 pages.

It is recommended to provide a list of references containing no less than 30 sources for review papers, and no less than 20 sources for full-text papers.

The list of references should contain no less than 10 references to scientific papers from journals.

The list of references shall contain references for relevant scientific works of Russian and foreign specialists, primarily those published for the last five years in reviewed scientific periodicals.

It is recommended to avoid unreasonable self-citation; in the majority of cases, the self-citation level should not be more than 20%.

It is not recommended to make references to materials published several tens of years ago.

It is not recommended to refer to materials from popular scientific literature, as well as to the content of the *Wikipedia* website.

Along with a paper itself, it is necessary to provide an annotation, key words, and information about the authors in Russian and English. The volume of the annotation in Russian shall be such that the volume of its version in English would be no less than 250 words.

8. The paper materials are submitted to the Editorial Office in electronic form: files are to be sent on vestnik_article@mpei.ru. In the cover letter, it is necessary to indicate the discipline (code) according to the SCADT List of Reviewed Scientific Editions the paper relates to. **The paper materials will not be considered unless the discipline code (name) is specified.**

All of the submitted files shall pass checking by an antivirus software.

9. The paper materials include the following items:

9.1. A separate file (file no. 1) containing:

- the UDC;
- the title in Russian (it shall not contain any abbreviations or acronyms);
- the full names of authors in Russian;
- an annotation (as far as possible, the annotation should not contain formulas and symbols with indexes and power exponents) and key words in Russian and in English. The annotation structure is given in Appendix 1;
- the paper text, including tables, illustrations, and a list of references. The paper text structure is given in Appendix 2;
- information about the authors in Russian and in English.

9.2. A separate file (file no. 2) containing:

- the title in Russian and in English;
- the full names of authors in Russian and in English;
- an annotation and key words in Russian and in English.

9.3. A separate file (file no. 3) containing author credentials, including the first name, patronymic, and last name, scientific degree, position, affiliation (for authors from the MPEI the chair name has to be indicated), telephone number for prompt communication, and actual E-mail.

9.4. Illustrations shall be attached to a paper in a separate file (file no. 4 or files 4.1, 4.2 etc.). The illustrations should be numbered (Fig. 1, Fig. 2, Fig. 3 ...), and they should be furnished with figure captions and enumerated in a separate list. The sizes of figures shall not be more than 14 × 20 cm.

9.5. Papers from Russian Federation citizens shall come with an expert's opinion, which can be presented in printed out form and sent by mail or in electronic (scanned) form (file no. 5).

9.6. An assurance statement confirming that the ethic principles are observed, and that there is no conflict of interests among the paper authors.

10. The following computer programs and file formats shall be used in preparing materials for the journal:

text material: this shall be typed in the MS Word software package with the following page settings: 2.3 cm for the top and bottom margins, 3.9 cm for the left margin, 1.5 cm for the right margin, the Times New Roman font of 14 pt size, with 1.5 interval vertical spacing, and with full justification;

graphic material: (*technical figures, schemes, and illustrations*). All originals of figures shall additionally be submitted in separate files with proper numbering. Vector figures shall be presented in a standard format used in vector graphic packages (*.wmf, *.eps, *.ai); the preferred format is Adobe Illustrator, version no older than 8.0. All fonts shall be only in curves. Instead of writing inscriptions in the figures, the authors should use numeric or alphabetic symbols, which should be explained either in the paper text or in the figure captures.

Raster figures shall be delivered in the *.tiff format; tiff files shall be saved without compression and have the natural size of no less than 100x100 mm; monochromatic raster files shall be saved with a resolution of no poorer than 300 dpi.

Figures shall be clear, with clearly discernible details. All symbols shown in the figures shall be explained in the main text or in figure captions.

11. Formulas shall be typed using the Math Type software package (version 4.0 or higher) or using the Microsoft Equation application, which is part of the Microsoft Office package. The power exponents and indexes shall be typed as the subscripts/superscripts of the alphabetic characters they refer to: K^{12} , A^3 , B_2 . Greek letters shall be typeset in upright font (ω) Latin characters in italics A , B , a , b , and vectors in upright bold font (**A**, **B**).

12. Measurement units and alphabetic symbols of physical quantities shall be written in accordance with the requirements of GOST (State Standard) 8.417-2002: State System for Ensuring the Uniformity of Measurements. Units of Quantities, and terms shall comply with the requirements of relevant state standards. All abbreviations shall be spelled out after their first occurrence in the paper.

13. Tables (and references to them) shall have sequential serial numbers and headings.

14. In the references to bibliographic sources, the names of authors and the names of journals and books should be given in the original transcription.

References shall be given in accordance with GOST (State Standard) 7.0.5-2008: System of Standards on Information, Librarianship and Publishing. Bibliographic Reference. General Requirements and Rules of Making. For books, it is necessary to indicate the author's surname and initials, title, volume (part, issue), city, publishing house and publishing year. For journal papers, it is necessary to indicate the name of journal, the paper title, publishing year, volume or part, number (issue), and pages. References in the text to the sources given in the list of references shall be taken in brackets containing the number corresponding to the serial number of the source given in the list of references, e.g., [1], [2–4]. Examples of bibliographic references are given in Appendix 3. The author shall bear responsibility for authenticity of the data given in the list of references.

15. Materials for publication prepared with deviations from the above-mentioned rules are not considered and returned to the author for correction.

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111250, Russian Federation, Moscow, Krasnokazarmennaya str, 14. NIU MEI. Vestnik MEI Journal Editorial Office. Zaiko E.S.

Annotation structure

1. Purpose of the study;
2. Work performance method or procedure;
3. Results;
4. Application field of the results;
5. Conclusions.

Paper text structure

1. State of developments on the topic considered;
2. Problem statement;
3. Solution method and assumptions;
4. Results;
5. Analysis of the obtained results;
6. Conclusions;
7. Acknowledgments for a grant (if any);
8. References.

Examples of bibliographic references

1. A. N. Skanavi and L. M. Mokhov, Space Heating, ASV, Moscow, 2006.
2. A. F. D'yakov, B. K. Maksimov, R. K. Borisov, et al., Electromagnetic Compatibility in Electric Power Engineering and in Electrical Engineering, Ed. by A. F. D'yakov, Energoatomizdat, Moscow, 2003.
3. M. N. Kirsanov, Bending, twisting, and asymptotic analysis of a spatial rod console, *Inzhenerno-Stroitel'nyi Zhurnal*, No. 5 (49), 37--43, 2014.
4. K. B. Aliev, V. S. Glazov, and A. A. Atbatskii, The effect the shape and placement density of intensifies have on heat transfer, in: *Radio Electronics, Electrical and Power Engineering, Proceedings of the 20th International Scientific-Technical Conference of Students and Post-Graduate Students*, vol. 3, 148--149, MEI, Moscow, 2014.
5. G. A. R. Mongi, Achieving More Efficient Performance of High-Temperature Installations through Thermochemical Recuperation of Heat Waste, Author's abstract of Dissertation in Technical Sciences, MEI, Moscow, 2011.
6. SNiP (Construction Code) 23-02-2003: Building Heat Insulation.
7. V. N. Blinkov et al., The EREC-STRESA electronic base of experimental data on the thermal and physical safety matters of NPPs equipped with water cooled reactors, Inventor's Certificate No. 2007620218, Elektrogorsk Research Center, Moscow, 2007.
8. Yang Chzhngtszun and Yag Hongui, A method and device for inputting adaptive digital pre-distortions for a wireless transmitter, RF Patent No. 2264037, Byull. Izobr. No. 31, 2005.
9. A. A. Bel'skii and V. M. Chakhovskii, Assessment of technical feasibility and economic advisability of running VVER-based NPPs in load following modes through the use of heat storages in the secondary coolant circuit [Electronic resource] <http://www.rosenergoatom.info>. (accessed September 5, 2017).
10. Weather and Climate [Official website. <http://www.pogodaiklimat.ru/> (accessed October 1, 2017).

11. K. Purang, Systems that Detect and Repair Their Own Mistakes. College-Park: University of Maryland, 2001.
12. S. Covanov and E. Thome, Fast integer multiplication using generalized Fermat primes // J. Mathematics of Computation. Vol. 1, 1—27, 2016.
13. K. Purang et. al., Practical reasoning and plan executing with active logic, in Proc. of IJCAI'99 Workshop on Practical Reasoning and Rationality, 1999, pp. 30—38.
14. DIN EN ISO 7089–2000. Flache Scheiben Normale Reihe, Produktklasse A.

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