

REQUIREMENTS FOR PAPERS in " Thermophysics And Thermal Power Engineering "

The journal publishes results of research on areas: heat and mass transfer processes and devices; theory and practice of drying; heat power plant; use and combustion of fuel; nuclear power; municipal and industrial power; renewable energy; energy saving; energy efficiency of buildings, building thermophysics; economic efficiency of energy projects; thermodynamics and transport processes; ecology of heat power objects; measurement, control, automation of heat processes.

Accepted articles Ukrainian, Russian and English languages.

The article should be structured and contain subsections:

- Statement of the problem in general and its relationship with the current scientific and practical tasks;
- Analysis of recent research and publications in which is started a solution of the problem;
- Selection of the unsolved aspects of the problem, which is devoted to this article;
- Formulation of the aims of article (problem);
- Basic material with full justification of scientific results;
- The conclusions of this study and the prospects for further research in this area.

To the article must be accompanied by:

- An official letter signed by the head of the organization, in which the work was performed;
- Two copies of the manuscript of the article made in accordance with the requirements set out below. One copy of the manuscript should be signed by all the authors;
- The original expert opinion on the possibility of the publication of this work in the press;
- Signed by the authors 'Agreement (land)' about the transfer of the author's right to publish a manuscript (available on the website www.ittf.kiev.ua) section - magazine;
- Russian-language block (if the article is presented in Ukrainian), which includes the title of the article in Russian, the names of the authors, the postal address of the organization, the abstract of the article (structured, with the number of characters - not less than 1800), keywords, the number of figures, tables, bibliographic references list of references).
- Ukrainian-language block (if the article is presented in Russian or English), which includes the title of the article in Ukrainian, the names of the authors, the postal address of the organization, the abstract of the article (structured, with the number of characters - not less than 1800), keywords, the number of drawings, tables, bibliographic references, list of references).
- Full postal address one of the authors, contact telephone number and e-mail;
- Text file of the whole article and separate files of pictures in the software packages described below (sending files to the editorial e-mail: shmorgun@nas.gov.ua, shmorgun@itf.kiev.ua).

PAPERS

The article should contain:

- Call number UDC; article title; surname, name of the authors;
- Full name of the organization, where the authors work and their postal address work;
- Summary on Ukrainian, Russian and English (200-300 signs) that is showing the purpose of the research and the main results;
- The number of bibliographic references, tables, figures (for example: "The Bibl. 9, Table 1, Figure 3.")
- Keywords;
- The list of designations;
- An article on the original language;
- The conclusions of the article,
- A list of references (no more than 15), in order of reference in the article;

Unit the Latin alphabet, including:

- Title of the article in English; Surname, name and patronymic of all authors - transliteration;
- Full names and postal addresses of organizations, in which the authors work. The names of organizations they belong to specific departments, postal address, city and country are served in the English language without abbreviations;
- Summary in English (600-800 signs) containing the goal, objectives, research methods, results;
- Bibliography as: References 7, tables 2, figures 5.
- Key words;
- List of references in Latin: the same list as in the article, but the author's names are on a transliteration; title of the article - a transliteration and then in brackets - English; magazine titles and other literary references - a transliteration of the Cyrillic alphabet, and then in brackets - in English; the original data are indicated in English, either - the digital data. At the end of each link (not the English edition) in brackets must specify the language of the original article - (Rus) or (Ukr). The names of the literature are presented without abbreviations.
- Latin alphabet transliteration in accordance with the Resolution of the Cabinet of Ministers of Ukraine of 27.01. 2010 № 55 (see <http://zakon.rada.gov.ua>).
- The volume of articles (with pictures) - **no more than 10 pages** (line spacing – 1.5), number of authors **should not exceed 4**.

DESCRIPTION OF THE LAYOUT OF ARTICLE:

The article should be typed in text editor *Microsoft Word 97-2003*, editor formulas *MathType 5.0* and above. Page format - A4, margins top, down, left - 2.5 cm, right - 1.5 cm.

The main text: line spacing - 1,5. Font - Times New Roman 11pt, justified alignment, automatic hyphenation, the first row - indent 1.25 cm. Title of the article - font 12pt, bold, small letters, placing in the middle. Article executed without headers and footers, and page numbering. When writing numbers the fractional part of a whole separate point, not the point.

All designations are removed from the text and presented a single list in front of the article material. Symbols are arranged **in alphabetical order**, in a column, first Latin, then Greek, Russian, further indices - upper and lower. When using abbreviations in the text must also allow their decoding symbols at the end of the list.

Example: a - coefficient of thermal diffusivity;

Re – number of Reynolds;

T - temperature;

t - time;

α - coefficient of heat transfer;

ZSOV - closed system of heating and ventilation.

Latin designation values and indexes should be printed in *italics* (except const, exp, ln, max, min, Bi, Fo, M, Nu, Pr, Re, St, sin, cos, 0C, K ..., C₂H₄, CO₂, O₂ ...), Greek and Russian - direct print (in the text and in the formulas in the figures). It is necessary to clearly distinguish between the writing of a hyphen (-) and a hyphen (-).

The formulas: mathematical formulas are presented as separate objects in the *MathType* equation editor. Font - Times New Roman 11pt, centered, numbering - in parentheses, on the right. To the Editor of the formulas used by the following parameters: Greek symbols and letters - font Symbol. The rest - Times New Roman. Dimensions: standard - 11pt, a major symbol - 14pt, large index - 8pt. Latin letters and symbols should be presented in the style of "Mathematics", Cyrillic - in the "Text" style. It is not allowed representation formulas and their numbers in the form of a table. The symbols in the formulas and the text of the article should have the same image.

Drawings: drawings (up to 5) are presented in the specialized graphic software packages Adobe Photoshop, Corel Photo-Paint, Corel Draw with extensions of files tif, gpg, pcx, bmp, at 300 dpi without captions and inserted into the text as "drawing", and not "painting". The font of the text in the figures - Times New Roman 11pt. Smaller figures should be placed with the text wrap by 3 mm. If the drawing is inserted, it is necessary to check the option "Move with text" and "Set snap." Using the landscape is not allowed. Photos represent only when absolutely necessary.

References: List of references (no more than 15) numbered in the order mentioned in the text. Font Times New Roman 10pt, authors' names - in italics. Abbreviations names cited sources is not allowed.

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Example of an article:

УДК 621.577

CONDITION AND PROSPECTS OF USE OF SECONDARY POWER RESOURCES IN THE POWER ECONOMY OF UKRAINE

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The data about the structure and volume of waste energy output in the power sector of Ukraine are represented. Principles of changes of these volumes in concordance with the trends of the economy development are analyzed. The features of use of the different types of waste energy are considered. The prognostic assessment results of output volumes and the using levels of waste energy in the near future are given.

Key words: power economy, secondary power resources, waste energy.

References 4, tables 1, figures 5.

The list of designations.

TEXT ARTICLES

(The text is in accordance with the above layout of the article)

REFERENCES

1. Statystychnyj shchorichnyk Ukrayiny za 2010 rik [*Statistical annual of Ukraine for 2010*], Kyiv, Konsultant [*Consultant*], 2011, 551p. (Ukr.)
2. Fialko N.M., Zimin L.B. Analiz effektivnosti teplonasosnyh system utilizacii teploty [*Analysis of the efficiency of heat pump system for the utilization of sewage heat for the heat supply of social objects*], Promyshlennaya teplotekhnika [*Industrial Heat Engineering*], 2008, V. 30, № 1, P. 77–85. (Rus.)