

INSTRUCTION FOR PREPARATION OF PAPERS FOR THE PROCEEDINGS OF LITHUANIAN ACADEMY OF APPLIED SCIENCES (13 pt)

1 empty line using 13-point font with single spacing

First name and SURNAME *, First name and SURNAME **, First name and SURNAME * (10 pt)**

Institution of the Author; **Institution of the Author; *Institution of the Author (10 pt)*

2 empty lines using 10-point font with single spacing

Abstract (8 pt)

The text should begin with an abstract of a scope of not more than 8 lines (8-point font). The word 'Abstract' is written in 8-point regular bold. It should be written two annotations: first one is written in the same language as paper and second one is written one of official languages, as well as summary at the end of the paper.

KEY WORDS: "Key words" are presented in a new line using capital letters 8-point regular font. The text of this chapter (key words) is written in the same way as the abstract section above.

1 empty line using 8-point font with single spacing

Anotacija (8 pt)

(There is written the same text of the abstract in Lithuanian or another official language)

PAGRINDINIAI ŽODŽIAI: There are presented the same key words in Lithuanian or another official language of the journal.

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1. Introduction (10 pt)

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Only original works, nowhere else published before, dealing with the journal topics and prepared in compliance with these requirements will be accepted to the Official Journal of Lithuanian Applied Sciences Academy.

The paper may be written in one of official languages: English, Lithuanian, German or Russian. *Those, who are writing the paper in Lithuanian is recommended to use instruction for the preparation of papers in Lithuanian.* The written material of the article should be prepared on a paper of A4 size. The scope of the paper should be even – 4, 6, 8, 10, 12, 14 or 16 pages. The paper should be created in MS Word format for Windows (doc). Additionally the Portable Document Format (pdf) file format is also eligible. If the paper is presented in both formats, please ensure that both documents, doc and pdf, are exactly the same, as some equations, diagrams and tables prepared with some software may be converted incorrectly.

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2. Page arrangement (10 pt)

1 empty line using 10-point font with single spacing

The paper format is A4 (21 cm width and 29.7 cm height). All margins (on the left, right top and bottom) are 2.5 cm wide. The text of the paper is written in one column. Do not add page numbers, please.

All the text should be written in Times New Roman fonts, single line spacing and with 0.7 cm indentations in the first line. The exception may be done for the contents of tables and figures, where Arial as well as Times New Roman font with no indentations in the first line may be used. Proper font sizes and styles are listed in Table 1.

The title is written in bold capital letters using 13-point font, with single spacing and are aligned with the left edge of the page. Below the title, there should be 1 empty, 13-point line.

The names of the authors and institutions are written below, using 10-point font with single spacing. Name(s) and surname(s) is (are) bold. Surname(s) is (are) in capitals. Only the name of institution and the name of country should be noted, e.g. Kaunas University of Technology, Lithuania. The subdivision (department, institute etc.) also may be included. Do not write post address and e-mail, please. If authors belong to separate institutions, please mark authors and corresponding institutions with asterisks.

Next, there is again 1 empty line of a 10-point height.

Below, the actual text of the paper begins. The text have to be written in one column. It begins with abstracts of scopes of not more than 8 lines each. The abstract section is followed by keywords section. In the end of keywords listed in one or several lines full-stop symbol (".") should be written. Contents of abstract and keywords are aligned with both edges of the page. The words "Abstract" („Anotacija") are written in 8-point bold font. "KEY WORDS" („PAGRINDINIAI ŽODŽIAI) are written in capital letters 8-point regular font.

Titles of chapters should be written in 10-point bold type font with single spacing and aligned with the left edge of the page. They should be numbered by successive Arabic numerals. Titles of subsections are written in 10-point bold type font with single-spacing as well, but they should be aligned with the left edge of the page. An incision of 0.7 cm in every successive line is required. Full-stop symbol follows the number of chapter or subsection. All titles should be separated from the text by 2 (10-point) empty lines above, and one (10-point) empty line below the title.

Contents of chapters and subsections should be aligned with both edges of the page without any additional spacing between lines. Every paragraph begins with an incision of 0.7 cm in every successive line.

Conclusions should be included in the paper as a separate chapter of the text.

After the actual text, article should contain references from which the information has been taken. The references are numbered successively by Arabic numerals. Full-stop symbol follows the number.

Give all authors' names; use "et al." if there are six authors or more. In paper title, capitalize the first word and all other words except for conjunctions, prepositions, and prepositional phrases.

The references should be referred to the text by the numbers in square brackets, for instance: [1].

2 empty lines using 10-point font with single spacing

3. Figures and tables (10 pt)

1 empty line using 10-point font with single spacing

Figures and tables should be not more than 16 cm wide and ought to be centered in page. If possible, position of the figures and tables should be at the tops and bottoms of pages.

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3.1. Figures (10 pt)

1 empty line using 10-point font with single spacing

The figures may be prepared by using of black lines on a white background and photographs should be black-and-white only. The font size on the figures should ensure them a good legibility. Captions of figures should be centered in the page below the figures, in 9-point font, single spacing. The word "Fig." and the successive Arabic number with the full-stop symbol (".") should be written in bold. There should not be a full-stop symbol in the end of the caption of figure or table.

Above each figure and below its caption should be 1 empty line spacing (10-point). The space between figure and its caption should have the size of approximately 10-point font.

Figures should be referred to the text using abbreviations, e.g. "Fig. 1", even at the beginning of a sentence. Avoid placing figures and tables before their first mention in the text.

In figure axis labels, use words rather than symbols. Put units in parentheses. Do not label axes only with units.

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3.2. Tables

1 empty line using 10-point font with single spacing

Captions of tables should be centered in page above the tables, in 10-point expanded font, single spacing. At the end of caption full-stop symbol (".") should not be written. Above the caption of each table word "Table" and the successive Arabic number should be written in Italic. The word "Table" and its number should be aligned with right edge of page. Below each table and above the word "Table" should be 1 empty line spacing (10-point). The caption should be separated from the table by one 5-point empty line.

Tables should be referred to in the text, e.g. "Table 1".

1 empty line using 10-point font with single spacing

Table 1

Font sizes and styles

1 empty line using 5-point font with single spacing

	Size	Style
TITLE	13 pt	Bold, Capital
Author name	10 pt	Bold
AUTHOR SURNAME	10 pt	Bold, Capital
<i>Institution</i>	10 pt	Italic
Text of the paper	10 pt	Regular
Titles of chapters and subsections	10 pt	Bold
<i>Word "Table" and no.</i>	9 pt	Italic
Caption of table	9 pt	Expanded
Caption of figure	9 pt	Regular (The word "Fig." and number – Bold)
Contents of table	9 or 10 pt	Regular

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4. Mathematical equations

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Mathematical equations ought to be centrally arranged in lines and numbered by successive Arabic numerals using parentheses aligned with the right-side edge of the page. Symbols and variables in equations as well as in the text should be written in italics, while vectors and matrices in ordinary bold type.

Punctuate equations with commas or full-stop symbols when they are part of a sentence, as in (1). If there is an explanation of symbols after the equation, semicolon “;” should be written after the equation. Explanation starts in a new line with a word “where”.

Equations ought to be separated from the text by 1 empty line (10-point):

1 empty line using 10-point font with single spacing

$$u(t) = U_m \sin(\omega t + \varphi). \quad (1)$$

1 empty line using 10-point font with single spacing

Symbols in your equation should be defined before the equation appears or immediately following. Use “(1),” not “Eq. (1)” or “equation (1),” except at the beginning of a sentence: “Equation (1) is ...”.

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5. Abbreviations and units

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Define abbreviations and acronyms the first time they are used in the text, even if they have been defined in the abstract. Commonly used abbreviations such as IEC, IEEE, SI, AC, and RMS do not have to be defined. Do not use abbreviations in the title of paper and titles of chapters unless they are unavoidable.

Use SI units where possible. English units may be used as secondary units (in parentheses). An exception would be the use of English units as identifiers in trade, such as “3.5-inch disk drive.” If you should use mixed units, clearly state the units for each quantity that you use in an equation.

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6. Conclusions

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1. It is recommended to number the conclusions.

2. The instruction for the preparation of paper manuscripts for the Official Journal of Lithuanian Applied Sciences Academy provides the essential requirements for papers.

3. Author (s) of paper can choose some specific requirements for papers arrangement freely, if it is not mentioned in this instruction. Editors of the journal have a right to correct it, if it is needed.

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References

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1. Gowrishankar, V. Making photovoltaic power competitive with grid power. *IEEE 4-th World Conference on Photovoltaic Energy Conversion, Volume 2*, May 2006. P. 2532-2535.
2. Asanol, H.; Bandol, S. Economic Analysis of Microgrids. *Power Conversion Conference – Nagoya (PCC'07) IEEE CNF*, 2 – 5 April, 2007. P. 654-658.
3. Адомавичюс, В. Б.; Харченко, В.В.; Чемяков, В. В. Соотношение мощностей в гибридной солнечно-ветровой водонагревательной системе. Труды 6-ой Международной научно-технической конференции *Энергоснабжение и энергосбережение в сельском хозяйстве*, 13-14 мая 2008, М. Часть 4, Возобновляемые источники энергии. М: ГНУ ВИЭСХ, 2008. С. 332-337.
4. Adomavičius, V.; Petrauskas, G. Optimisation of hybrid water heating system based on solar collectors and heat exchanger in order to maximize solar heat energy's share// *Proceedings of International Conference Electrical and Control Technologies – 2009*. Kaunas: KTU, 2009. P. 356-361.

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NURODYMAI STRAIPSNIAMS PARUOŠTI ŽURNALUI

„LTMA MOKSLO DARBAI“ (12 pt)

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Vardas ir Pavardė *, Vardas ir Pavardė **, Vardas ir Pavardė *** (10 pt normal)

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S u m m a r y (10 pt expanded)

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Extent of the paper's summary in other language is recommended from 0.5 to 1 page. Requirements for summary text are the same as for the text of paper text. At least 5 empty lines should be left after the summary for the inscription of Editorial Board informing about date of paper receiving and names of two referees those recommended publication of the paper.

Received 20YY MM DD

Recommended for publication: prof. dr. First name and Surname and associate prof. First name and Surname