

Dear Students and Young Researchers!

Kalashnikov Izhevsk State Technical University The Institute of Informatics and Computer Engineering Department of English

have a great pleasure to invite you to the youth forum "Scientific and professional communication in the context of digitalization" on May, 26, 2023.

For the third time, the forum is organized within the All-Russian Scientific-Practical Conference "Information Technologies in Science, Industry and Education" to be held at the Kalashnikov Izhevsk State Technical University on May 25-26, 2023. Information materials (in Russian language) about the previous youth forums (2020-2021) can be found at the following links:

https://istu.ru/news/nauka/informacionnye-tehnologii-v-nauke-promyshlennosti-i-obrazovanii https://istu.ru/news/nauka/kafedra-angliyskiy-yazyk-provela-molodezhnyy-nauchnyy-forum

See also the website of the conference "Information Technologies in Science, Industry and Education": http://itnpo.istu.ru.

We encourage students, postgraduates and early career researchers of engineering sciences and the humanities to participate in the youth forum. You will be able to:

- demonstrate the results of your research work;
- share your professional experience with new colleagues from other universities and organizations;
- get support and approval for further research activities;
- establish scientific and professional contacts with colleagues;
- develop professional English-language competence in second language acquisition (L2).

The forum accepts English-language contributions in the following areas:

- 1. The themes of the conference "Information Technologies in Science, Industry and Education" focusing on:
- Intelligent information technologies
- Information-measuring and information management systems
- Digital education technologies
- Information security.
- 2.Linguodidactic aspects of the engineering education including (but not limited to):
- Multimodal language education
- Linguistic landscape in digital language education
- Digital story making and telling in teaching languages
- Translation in language education
- Diversity of translation practices in a digitalized world.

Important dates:

Registration form submission: **29.03.2023**

Registration form:

https://forms.gle/qAHn5wwYp2a2nu7u6

Full paper submission: **25.04.2023**

Reviewing and examination of articles: **29.04.2023** Notification of paper's acceptance: until **13.05.2023**

Meeting of the forum "Scientific and professional communication in the context of

digitalization": 26.05.2023

Possible modalities of participation:

- in-person talk
- remote video-conferencing talk (Zoom)
- providing a video recording of the report (for participants who are in the time zone of more than 5 hours from Moscow)

All accepted papers will be published in the Conference Proceedings (RSCI, ISBN).

Best papers will be honored with diplomas. All conference contributors will also receive certificates of participation.

Participation in the forum and publication of articles is free of charge.

Please use the following e-addresses for paper submission and eventual questions: english@istu.ru

Guidelines for preparing and submitting articles for the youth forum

- 1. Recommended length of the article: 6 full pages.
- 2. Manuscripts should be delivered in **Word 2007** format. Page size: A5 (14,8 cm x 21 cm). Margins: left -2,2 cm; top -1,7 cm; right -1,8 cm; bottom -2,3 cm. Paragraph indent: 0,5 cm. Line spacing: single.
- 3. Font: Times New Roman, 10 pt for text, 9 pt for tables, picture captions, and list of references. Formulas should be formatted in Microsoft Equation 3 or MathType, the font size is to be determined by default, except for the option "normal" whereby you should set 10 pt; Latin characters are italicized.
- 4. Alignment of sections in the article (example is attached):
 - authors' full names: centered alignment, in English, italicized, each name on a new line:
 - department, institute or subdivision: centered alignment;
 - name of organization: centered alignment;
 - one empty line;
 - full article title in bold letters without abbreviations or word hyphenation: centered alignment;
 - one empty line;
 - abstract (a short summary of the paper, no less than two sentences in length): justified alignment;
 - one empty line;
 - key words and phrases (no less than 3): justified alignment, in English;

- one empty line;
- main text (the content of the article): justified alignment;
- one empty line;
- heading of the reference list: centered alignment (in bold);
- one empty line;
- reference list (example attached).
- 5.Place pictures between text paragraphs without text wrapping. Picture captions should be placed under the picture using centered alignment within its width. When working with illustrations please use the most common formats.
- 6.Place tables with headings (by the example given below) between paragraphs and do not use page breaks.
- 7. Formulas and bracketed numbers are to be aligned with the right margin; formulas are to be shifted to the center of the line by pressing the Spacebar.
- 8.Pictures with captions placed under them, tables with headings, formulas, and reference list are to be separated from the text with one empty line.
- 9.Use italics for text enhancing (e. g., for definitions, terms, logical emphasis).
- 10. Articles must contain a list of literature with in-text references made to all sources.
- 11. Funding sources (e. g., grants) are to be specified at the end of the text in a separate paragraph before the list of literature.
- 12.To follow guidelines for preparing the reference list consult APA (American Psychological Association) https://owl.english.purdue.edu/owl/resource/560/18/. A design sample of an English article is provided below.
- 13. When naming the file containing the co-authored article please include authors' names, e. g.: «Иванов_Петров_статья.doc» (Ivanov_Petrov_article.doc).

Design sample of an article

D. V. Lozhkarev, Master's Degree Student
A. V. Korobeynikov, PhD in Engineering, Associate Professor
E. A. Filippova, Master's Degree Student
Department of Software
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Rhythmographic Analysis of the Corporate Network Traffic Events of The CISCO MARS System

Network traffic events rate variability is considered. The analysis is based on human heart rate variability analysis. The procedure of parameters calculation and diagram creating of rythmographic analysis is described. The considered method application in network events rate variability analysis software will allow rapid assessment rythmographic character of network events and detect network anomalies.

Keywords: heart rate variability; HRV; network events rate variability; rythmography; network traffic anomalies detection.

- 1. Easton, R. L., Christens-Barry, W. A., & Knox, K. T. (2011). Spectral image processing and analysis of the Archimedes palimpsest. 19th European Signal Processing Conference, 1440-1444.
 - 2. Gold, M. K. (2012). Debates in the digital humanities. University of Minnesota Press, IX-XIV.

Example of placing a table and a graph in the text:

Table 1. Distribution of the number of events

Event number	Quantity for all time
72	96 539
70	36 814
34	8 523
30	7 367
61	7 215

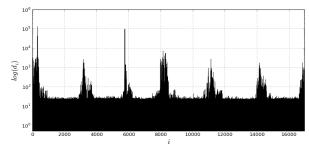


Fig. 1. Rhythmogram (event -19, period - all the time)