

## FIRST CALL FOR PAPERS

The Organizing Committee of the 10<sup>th</sup> International Scientific and Practical Conference “**BIG DATA and Advanced Analytics**”, dedicated to the 60<sup>th</sup> anniversary of the **Belarusian State University of Informatics and Radioelectronics**, invites you to take part in the conference, which will be held on March **13, 2024** in Minsk (Republic of Belarus). Working languages of the conference: Russian, English.

Purpose of the conference: to discuss scientific and practical achievements in the field of big data processing and analysis (*Data Science*), developments and implementation of new technologies in *BIG DATA*.

### THEMATIC SCOPE

- the use of *BIG DATA and Advanced Analytics*, as well as *Data Science* for the optimization of IT-solutions;
- the use of *BIG DATA and Advanced Analytics*, as well as *Data Science* for the optimization of production and business-solutions;
- *BIG DATA and Advanced Analytics* in medicine;
- *BIG DATA and Advanced Analytics* in education.

### TARGET AUDIENCE OF THE CONFERENCE

- specialists who want to gain knowledge about the latest achievements in the field of *BIG DATA*;
- companies, engaged in software development using *Data Science*, methods, which are interested in the *BIG DATA* capabilities, as well as in advertising their solutions;
- banks, businesses, and entrepreneurs who want to know how to benefit from *BIG DATA*, as well as *Data Science* applications;
- teachers, interested in enriching their courses with *BIG DATA* related topics;
- scientists with knowledge of statistics, probability theory, artificial intelligence and optimization, interested in how the area of their professional activity can be expanded using achievements in the field of *BIG DATA*;

- undergraduate and graduate students who want to build a career in a sought-after sphere of *BIG DATA*.

## POSSIBILITIES FOR SPONSORS AND PARTICIPANTS

### The organizing committee of the conference is willing to cooperate with:

- companies of the High Technology Park (Republic of Belarus) and the Great Stone Industrial Park (Republic of Belarus);
- banks of the Republic of Belarus;
- businesses and factories;
- higher education institutions.

Supporting the conference will provide you with the opportunity to meet the specialists of Belarus, near and far abroad, that use the latest achievements in the field of *BIG DATA*.

## PAPER SUBMISSION AND DEADLINE

Based on the results of the conference, a collection of scientific papers will be published with ISBN and Universal Decimal Classification, as well as will be indexed in the Russian Science Citation Index database.

You are invited to submit your paper to the organizing committee via [bigdata@bsuir.by](mailto:bigdata@bsuir.by) by **February 1, 2024** according to the given guidelines.

Maximum paper volume: up to 15 full pages.

### Page parameters:

Paper size: A4 (210x297 mm). Margins: top, bottom, left – 25 mm, right – 20 mm. To prepare your paper please use the text editor *Microsoft Word*, format: *.doc* or *.docx*.

### Paper format:

The paper format template is in the attached file, as well as on the conference website.

### Guidelines to prepare your paper are as follows:

- **UDC.** Font: size – 13 pt; type – *Times New Roman*, alignment – left, writing – capital letters. Empty line.
- **Paper title.** Font: size – 13 pt; type – *Times New Roman*, alignment – centered, writing – capital letters, style – bold. No more than three lines. Empty line.



■ **Photographs of the authors** sized 40x37 mm.

A caption under each photo: last name and first name initials of the author. Font: size – 12 pt, type – *Times New Roman*, style – bold, italic, alignment – centered.

Photos, last name and first name initials of the author(s) should be placed in table cells with transparent borders (one author – one cell).

Under last name and first name initials of the author indicate place of work and designation (full title), email for correspondence. Font: size – 11 pt; type – *Times New Roman*, style – italics, alignment – centered.

Empty line.

■ **Brief biographies of the authors.**

– First name initials, last name of the author. Font: size – 10 pt; type – *Times New Roman*, style – italic, bold, alignment – left, no indentation.

– Biographical information about the authors. Font: size – 10 pt; type – *Times New Roman*, style – italics, alignment – left, paragraph indent – 10 mm.

Empty line.

■ **Abstract** (brief description of the paper purpose and main results) in the amount of 50-100 words (5-10 lines). Font: size – 10 pt; type – *Times New Roman*, paragraph indent – 10 mm.

■ **Key words** (5-10 words). Font: size – 10 pt; type – *Times New Roman*, paragraph indent – 10 mm.

Empty line.

■ **Paper structure:**

– introduction;

– main text;

– conclusion.

Font: size – 12 pt; type – *Times New Roman*, paragraph indent – 10 mm, alignment – width.

Line spacing and spacing between paragraphs – single. Pages are not numbered.

Drawings should be made with dimensions of at least 60x60 mm and no more than 110x170 mm only in *.jpg* or *.bmp* format. The requirement of “one caption per picture” should be adhered to. Drawings consisting of elements marked with the letters “a)”, “b)”, etc. should be inserted as a single *.jpg* or *.bmp* image. It is not allowed to use pictures created using *Microsoft Word* tools.

The titles and numbers of figures are indicated below the figures, the titles and numbers of tables are indicated above the tables.

Tables, diagrams, figures, formulas, graphs should not go beyond the specified fields (font size in tables and pictures is at least 11 pt).

Formulas, tables, and figures are placed in the center of the page.

Footnotes to the reference literature are indicated in square brackets. The reference list is required.

Empty line.

■ **Reference list.** Heading: style – bold, alignment – centered. Font: size – 12 pt; type – *Times New Roman*.



Reference literature – font: size – 10 pt; type – *Times New Roman*, paragraph indent – 10 mm, alignment – width.

Examples of literature formatting in the “Reference list” section

1. Пискун Г.А., Алексеев В.Ф., Беликов А.Н., Рыбаков Д.Г. Влияние ориентации каналов в кулерах воздушного охлаждения на эффективность отведения тепла от процессоров. Доклады БГУИР. 2023;21(5):33-41. <https://doi.org/10.35596/1729-7648-2023-21-5-33-41>.
2. Piskun G.A., Alexeev V.F., Belikov A.N., Rybakov D.G. Influence of Channel Orientation in Air Coolers on the Efficiency of Heat Removal from Powerful Semiconductor Devices. Doklady BGUIR. 2023;21(5):33-41. (In Russ.) <https://doi.org/10.35596/1729-7648-2023-21-5-33-41>.

Empty line.

- **Author's contribution.** Heading: style – bold, alignment – centered, font: size – 10 pt; type – *Times New Roman*.

In this section please provide information about each author's contribution to the paper. To present the specified information, the following font should be used: size – 10 pt; type – *Times New Roman*.

Empty line.

- **The name of the file must consist** of the last name(s) of the author(s), for example: *Ivanov\_S.doc*.

**Note:** The title of the paper, initials and last names of the authors, place of work and designation, abstract and keywords are given in Russian after the “Author's contribution” section.

## CONTACTS

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