

FIRST CALL FOR PAPERS

The Organizing Committee of the 11th International Scientific and Practical Conference «BIG DATA and Advanced Analytics» invites you to take part in the conference, which will be held on **April 23–24, 2025**, at the Belarusian State University of Informatics and Radioelectronics (6 P. Brovki Street, 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, graduate and postgraduate students who want to build a career in a sought-after sphere of *BIG DATA*.

POSSIBILITIES FOR SPONSORS

The organizing committee of the conference invites the following organizations for cooperation:

- 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 establishments.

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

PARTICIPATION TERMS

To submit materials in the conference peer-reviewed proceedings that will be assigned with ISBN, UDC and indexed in the RSCI database, please send your paper formatted in accordance with the requirements to the organizing committee's email (bigdata@bsuir.by) by **March 1, 2025**.

No more than two papers by one author/co-author are accepted for publication in the proceedings.

REQUIREMENTS FOR FORMATTING THE PAPERS

Papers reflecting the results of original scientific and technical research and development, not published and not intended for publication in other journals, are accepted for publication. Review articles must contain references to the author's own publications. The authors are responsible for the originality and reliability of the materials submitted for publication.

The maximum volume of a paper is up to 12 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*.

■ Article formatting guidelines:

The template for the material is available in the attached file and on the conference website.

- **UDC.** Font: size (point) – 13 pt; type – *Times New Roman*, alignment by left edge, writing – capital letters.
Empty line.



- **Article title.** Font: size (font size) – 13 pt; type – *Times New Roman*. Center alignment. Hyphenations in the article title are prohibited. Writing: capital letters. No more than three lines.
Empty line.
- **Photographs** of the authors, size 40x37 mm.
Under the photographs there is a caption: Author's name and last name, font: bold, italic, size (font) – 12 pt, type – *Times New Roman*. Center alignment. Next is the place of work and position of the author(s) (in full), academic degree, academic title, e-mail address – font: italic, size (font) – 11 pt, type – *Times New Roman*. Center alignment.
It is recommended to put the photographs and author(s)'s full name in table cells with transparent borders (one author – one cell).
Empty line.
- **Information about the authors.**
Author's first and last name, font: bold, italic, size (font size) – 10 pt, type – *Times New Roman*. Left alignment. No indent.
Brief information about the author(s) and their area of interest. Font: size (font) – 10 pt; type – *Times New Roman*, font style – italic, justified alignment. Paragraph indent – 10 mm.
Empty line.
- **Abstract** (a brief description of the purpose of the work and its results) of 50–100 words (5–10 lines). Font: size (font) – 10 pt; type – *Times New Roman*. Paragraph indent – 10 mm.
- **Keywords** (5–10 words). Font: size (font) – 10 pt; type – *Times New Roman*, paragraph indent – 10 mm.
Empty line.
- **Main text.** Font: size (font) – 12 pt; type – *Times New Roman*, paragraph indent – 10 mm. Alignment justified.
Line spacing and paragraph spacing are single. Pages are not numbered.
Figures should be no smaller than 60x60 mm and no larger than 110x170 mm in *.jpg* and *.bmp* formats only. The requirement “one figure caption – one figure” in *.jpg* or *.bmp* format should be followed. Figures consisting of elements marked with the letters “a)”, “b)”, etc., should be inserted as one *.jpg* or *.bmp* file. It is not allowed to use figures created by *Microsoft Word* tools in the article.
The titles and numbers of figures are indicated below the figures, and the titles and numbers of tables are indicated above the tables.
Tables, diagrams, drawings, formulas, graphs should not go beyond the specified fields (the font in tables and drawings should be no less than 11 pt). Formulas, tables, and drawings should be placed in the center of the page.
References are put in square brackets. A list of references is required.
Empty line.
- **Reference list.** Heading: bold, centered, references – justified. Font: size (font) – 10 pt; type – *Times New Roman*.

Examples of the literary sources formatting in the “List of References” section:

1. Фамилия И.О., Фамилия И.О. Название статьи. Название журнала. Год;Том(Номер):00-00. DOI:.

2. Surname N.P., Surname N.P. Title of the monograph. Reprint number. City: Publisher; edition year.

3. Last name and initials, Last name and initials. Title of the Article. Title of the Journal. Year; Volume (Number):00-00. DOI:.

Empty line.

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

Next is Name and Surname with a description of each author's contribution. Alignment justified. Font: size (font) – 10 pt; type – *Times New Roman*.

Empty line.

Title of the article, initials and surnames of the authors, place of work and position of the author(s), academic degree, academic title, abstract and keywords in English. The formatting principle is the same as for these elements in Russian.

Note: The name of the file with materials consists of the last name of the author(s), for example: *Ivanov_S.doc*.

CONTACTS

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