



**IX Republican research to practice conference for students of  
secondary, secondary special and 1-2 years of higher educational  
institutions**

**“From Alpha to Omega ...”**

**Grodno, Belarus  
April 06, 2019**

**FIRST INFORMATION LETTER**

On April 6, 2019 the Faculty of Mathematics and Informatics of Yanka Kupala State University of Grodno is to hold **IX Republican research to practice conference for students of secondary, secondary special and 1-2 years of higher educational institutions “From Alpha to Omega ...”**.

*The participants and other persons concerned will be informed about the corrected date, time and venue of the conference in the second information letter and on the official faculty site with due regard to preliminary review of the materials sent.*

**The aim** of the conference is to reveal and support talented and gifted students who are passionate about science as well as professional orientation and involvement of students in scientific creative and research work.

In 2019, the work of the conference is envisaged in two directions:

- **mathematics;**
- **informatics.**

**The research agenda** provides for the preparation of research works, presentations of the participants' research results, discussions, awards for the best speakers, presentations of scientists, roundtable discussions for research advisers and teachers.

The university students of the first and second years are encouraged to participate.

The conference participants have an opportunity to present and publish the results of their research in the field of mathematics and informatics.

The participants can present the results of research, creative and experimental works performed either individually or by creative teams.

The results of the conference works are to be presented in the form of speeches in the corresponding conference sections (preferably accompanied by computer presentations).

The working languages of the conference are Belarusian, Russian and English. The length of the speech is up to 7 minutes.

**The reviewed conference materials** are to be published in the form of electronic collection of research papers on the official website and on the electronic compact disc.

The depositing of the electronic collection at the Belarusian Institute of the System Analysis and Information Support of Scientific and Technical Sphere is envisaged which will *make the publications equal to printed works*. The deposited materials of the previous conferences can be found on the official website of the Faculty of Mathematics and Informatics of Yanka Kupala State University of Grodno <http://mf.grsu.by> in the section Research/Conference for students “From Alpha to Omega...”.

**The requirement for the publication** of the research results is a positive review by the organizing committee and successful performance at the conference.

In order of acquiring the skills of correct preparation of research results, the works of **the first and second year university students** should correspond to the requirements for research papers and contain the following elements:

1. Title (font size 12 p., capital letters, centered) should reflect the main idea of the research and be brief if possible.
2. Initials and surname of the author(s). Font size 12 p., lower case letters, centered.
3. Name of the educational institution, faculty, specialty, graduating department. Font size is 12 points, lower case letters, italics, center alignment.
4. Initials, surname, academic degree and title (if applicable), position and affiliation of the research adviser. Font size is 11 points, lower case letters, justified alignment. The line should begin with the words "Academic adviser - ....". In case there are several advisers, the information about each one should begin with a new line.
5. Summary in Russian of 200–250 words (font size 10 points). The text of the summary, in addition to a brief summary of the essence of the article, should reflect the **purpose of the work, scientific novelty, area of application** and line up in accordance with the structure of the article: "In the introduction ...", "In the main part ...", "In conclusion ... ". The summary also contains a list of keywords. Key words (5–9 words) are given in the nominative case, typed in lower case letters in a line separated by commas. The example of the summary can be found at [http://vesnik.grsu.by/reziume\\_ru.pdf](http://vesnik.grsu.by/reziume_ru.pdf).
6. The main text should be structured in the following way: the **introduction** containing a brief review of the literature on the problem under consideration, a review of similar existing solutions for computer science, a circle of previously unresolved issues and problems; the **main part**, covering in detail the issues under consideration; the **conclusion** with clear conclusions and deductions.
7. **References** (cited sources) is mandatory. They should be placed at the end of the text and is prepared in accordance with GOST 7.1-2003 and the order of the Higher Attestation Commission of the Republic of Belarus from June 25, 2014 No. 159 (font size 9 p., justified alignment). The list of sources and literature is formed in the order of citation, each source is indicated once with the full data. References to sources in the text of the article are given in square brackets, for example: [1, p. 32], [2, p. 52–53]. Links to

unpublished works are not allowed. For the list of references, see <http://www.vesnik.grsu.by/?p=autor&lang=ru>

**The materials that do not correspond to the requirements will not be reviewed!**

The research results (materials) that correspond to the requirements are to be sent by e-mail to the organizing committee as a file.

The name of the file should contain the name and surname of the participant, direction – mathematics or informatics (for example, *Mathematics Ivanov N.doc*; *Informatics Sidorov N.doc*). The subject of the letter should contain *Conference Direction Surname N*.

The participation of pupils and students is free of charge.

The expenses and per diem for accompanying persons are covered by the sending institutions.

**In order to take part in the conference it is necessary to submit an application in electronic form on the main page of the faculty site <http://mf.grsu.by> from February 1, 2019.**

**The application** should be submitted and **the materials** should be sent to the organizing committee **in accordance with the deadline.**

**Important dates of the conference:**

- From February 1 to March 1, 2019 – submission of *applications* for participation in the conference
  
- till March 1, 2019 – submission of the materials
  - **obligatory paper version** signed by the author/authors on the last page of the work is sent to the address:  
**Address:** 230023, Grodno, Ozheshko str, 22, room 309.  
Yanka Kupala State University of Grodno,  
Faculty of Mathematics and Informatics
  - **obligatory electronic version** to the address: [alfa.mf@grsu.by](mailto:alfa.mf@grsu.by)

## **Organizing Committee of the Conference:**

### **Chairperson of the organizing committee**

Alena Livak, dean of the Faculty of Mathematics and Informatics, associate professor of the Department for System Programming and Computer Security, PhD.

### **Deputy chairmen of the organizing committee**

Tatsiana Vankova, deputy dean of the Faculty of Mathematics and Informatics, associate professor of the Department for Mathematical Analysis, Differential Equations and Algebra, PhD.

Liudmila Detchenya, deputy dean of the Faculty of Mathematics and Informatics for research work, associate professor of the Department for Mathematical Analysis, Differential Equations and Algebra, PhD.

### **Direction heads**

Aliaksandr Metlitsky, deputy dean for professional orientation, senior lecturer of the Department for Mathematical Analysis, Differential Equations and Algebra (head of the direction “Mathematics”)

Anna Deitseva, associate professor of the Department for Modern Software Technologies, PhD (head of the direction “Informatics”).

**Phone numbers:** (152) 72 43 90,

**Fax:** (0152) 73 01 10 (with note – Faculty of Mathematics and Informatics)

**e-mail:** [alfa.mf@grsu.by](mailto:alfa.mf@grsu.by)

**Faculty website** [mf.grsu.by](http://mf.grsu.by)

In case of any problems or disputable issues, you can address the chairperson, the dean of the faculty Alena Livak (015) 73 03 05 or [livak@grsu.by](mailto:livak@grsu.by)  
or to the deputy chairperson of the organizing committee, deputy dean of the faculty Tatsiana Vankova (015) 72 18 42 or [vankova\\_tn@grsu.by](mailto:vankova_tn@grsu.by)