

APPROVED by the Director
of the International Arctic
School
Tatarinova S.S.



" 1 " 03 2022 г.

Regulations
of the International Arctic School's
First All-Russia Scientific and Practical Conference for Schoolchildren
«THE ARCTIC - THE TERRITORY OF COOPERATION»

1. General provisions

1.1. These Regulations shall define the goals, objectives, terms and procedure for conducting the First All-Russia Scientific and Practical Conference with international participation "The Arctic - the Territory of Cooperation" (hereinafter referred to as the Conference).

1.2. The purpose of the Conference is to create environment for the development of intellectual creativity of students and to enhance interregional and international communication on current issues of the North and Arctic regions.

1.3. Goals of the Conference:

- to combine the efforts of teachers, parents and the wider community to promote research and creative activities of students for the development of the northern and Arctic regions;
- to showcase achievements of students and results of educational and research activities conducted by affiliated educational institutions;
- to create interregional and international relations between educational institutions.

1.4. The Conference shall be held in the following areas aimed at solving current issues of the development of the North and the Arctic:

- Modern problems of development of the Arctic and the North;
- Knowledge of the past to understand the current state of the Arctic and the North;
- The North and the Arctic: challenges of the future;
- People in the North and in the Arctic;
- Engineering and technology for the North and the Arctic;
- Nature and human beings in the North and in the Arctic;
- Languages and cultures of the peoples of the North and the Arctic.

1.5. The International Arctic School of the Republic of Sakha (Yakutia) (hereinafter – the IAS) with the support of the Conference partners - the International non-governmental organization "Northern Forum", the Northeastern Federal University named after M.K. Ammosov, the Federal Research Center "Yakut Scientific Center of the Siberian Branch of the Russian Academy of Sciences", the Arctic Research Center of the Republic of Sakha (Yakutia) and other organizations shall provide the methodological and organizational leadership of the Conference.

1.6. Conference language: English (at the Conference presentations) and Russian (at the case tournament)

1.7. Students over the age of 12 are invited to participate in the Conference

2. Conference Guidelines

2.1. An organizing committee shall be formed to ensure the Conference management.

2.2. In order to select the submitted works and form the Conference program, a Program Committee shall be created from among the staff of the IAS and representatives of the Conference partners. Selection criteria: compliance of the composition of the application with the topic of the Conference, compliance with the rules of registration of works in accordance with Annexes 1, 2 or 3 of these Regulations.

2.3. Evaluation of the works submitted by the participants of the Conference and determination of the winners shall be carried out by the Expert Councils on each Conference section. Expert Councils shall be created from amongst representatives of the Conference partners and other experts.

2.4. The members of the Program Committee, the Organizing Committee and the Expert Council shall be approved by the Order of the IAS Director.

2.5. Timing and format of the Conference

№	Activity	Format	Dates
1.	Acceptance of applications and electronic works of participants	Online: https://arctic-school.com/events/	by April 20, 2022
2.	Selection of the submitted works	in absentia	From April 20 to April 25, 2022
3.	Posting of the entry list	Online https://arctic-school.com/events/	April 6, 2022
4.	Holding of the Conference Posting of the results	Online (ZOOM call)	April 29-30, 2022
5.	Case tournament	Online (ZOOM call)	April 26-30, 2022

3. The directions of the Conference

3.1 The conference shall be divided into scientific sections:

- Mathematics, ICT and information technology

- Physics, technical sciences and engineering including architecture and landscape design
- Natural sciences and the environment
- History, social and economic sciences;
- Philology (languages of the Arctic, languages of the inhabiting Arctic territories)
- Pedagogy and psychology including methods of teaching
- Cultural studies and art criticism, fashion and design

The final number and names of the sections shall be decided by the Program Committee depending on the number of selected works. The program of the Conference shall be posted on the website of the Conference by April 26, 2022.

4. Case tournament

4.1. Case tournament in the format of a SMART competition will be held within the framework of the Conference. It's a team competition for solving case problems provided by the conference partners - companies and enterprises of territories The Northern Forum and the Arctic Council. The topics of the cases are devoted to the problems of development and solving the problems facing the territories of the North and the Arctic.

4.2. Each affiliated educational institution shall form a team. There can be any number of participants in a team.

4.3. The case tournament shall be held in three stages:

№	Stage	Description of the stage	Timing
stage 1	Introductory	Getting to know the case method, SMART methodology, examples of solving simple tasks	April 26, 2022
Stage 2	Educational	Independent learning solution of more complex tasks	April 27, 2022
Stage 3	Competition	Solving the complex case of the competition	April 28-30, 2022

4.4. The evaluation of case solutions shall be carried out by the Expert Council in accordance with the criteria specified in clause 6 of these Regulations.

5. Registration

5.1. Registration and acceptance of work (in electronic form) for the Conference shall take place at the Conference website <https://arctic-school.com/events/> until 15 March 2022.

5.2. Each work shall be registered in a separate application form.

5.3. The following files must be attached to the relevant registration fields:

- abstracts of the research work;
- the project or research work;

The title of the work in the application, in the abstract and on the title page must be the same.

6. Expertise

Assessment criteria:

Type of submissions	Research	Project	Case
Criterion 1	Goal-setting	Goal-setting	Quality of the solution
Criterion 2	Analysis of the area of study	Analysis of existing solutions and methods	Originality and innovation of the solution
Criterion 3	Methodology of research	Planning of work, resource support of the project	Viability of solutions and evaluation of the potential result
Criterion 4	Quality of the result	Quality of the result	Content-richness and clarity of the presentation
Criterion 5	Autonomy (individual contribution to research)	Autonomy (individual contribution to the project)	Involvement of all team members

7. Awarding the winners

7.1. The best works of students shall be awarded with diplomas of I, II, III degrees. Scientific supervisors of the winners and prize-winners of the Conference shall be awarded with diplomas.

7.2. The works of students awarded with diplomas shall be published in the electronic collection of abstracts of the Conference. The electronic collection of the Conference will be posted on the Conference website within the next month after the Conference.

7.3. The Organizing Committee of the Conference reserves the right to make editorial alterations to the abstracts published in the collection.

7.1 Types of work provided:

7.1.1 Project work (*see Attachment 2 of this Regulation for design requirements*).

The project work can be carried out by a single author or by a creative team of no more than 2-3 people.

7.1.2 Research works (*see Attachment 3 of this Regulation for design requirements*).

The work can be done by a single author or by a creative team (no more than 2-3 people).

7.1.3 Abstracts of diploma winners shall be published in the electronic collection of abstracts of the Conference (*see Attachment 1 of this Regulation for abstracts requirements*).

7.1.4 The electronic presentation for the online Conference shall be sent to the organizers at school.conf.northern.forum@gmail.com by 10 April 2022. *(See Attachment 4 of this Regulations for abstracts requirements).*

Requirements for abstracts

1. Abstracts should be submitted in *.doc file format at the same time with the registration. The file size should not exceed 1 MB.
2. The abstracts outline the main points of the work in a concise form in two languages: main part in English and summary in Russian. The abstract must include:
 - Introduction;
 - Body paragraphs;
 - Conclusion;
 - Acknowledgements
 - Information about the contribution of each co-author if any. E.g. Ivanov I.I. – concept and design; Petrov P.P – collecting and editing data for Chapter 1; Sidorov S.S. – analyzing of the data obtained, writing the text of the abstract.
3. The text of the abstract should be carefully edited.
4. The total volume of the abstract in two languages must not exceed 2 printed A4 pages.
5. Formatting rules:
 - a) The text of an abstract must be typed in 12-point Times New Roman, with margins: left - 2 cm (20 mm), right - 2 cm (20 mm), top - 2 cm (20 mm), bottom - 2 cm (20 mm). Text alignment is by page width. Line spacing is single. Margins are not outlined.
 - b) The indent of the first line of the paragraph should be 1 cm.
 - c) The title of the abstract should be typed in 12-point Times New Roman bold and centered. There is no dot at the end of the title (*see example*).
 - d) Surname, first name of the authors/scientific advisors and the name of the educational institution should be typed in 11-point Times New Roman, single line spacing (*see example*).

Example:

*Ivanov Ivan Ivanovich,
(School's name)
e-mail: ivanov123456789@yandex.ru
Scientific Advisor - Nikolayev N.N.,
(School's name)*

**THE DEVELOPMENT OF SCIENTIFIC RESEARCH IN THE ARCTIC SINCE THE 1920S UNTIL
THE END OF THE SOVIET PERIOD**

Summary. The article summarizes the history of scientific research in the Arctic in the period from 1920 to 1991, during the existence of the Soviet Union. Considered the progress of scientific research in the North, their objectives and scope at various stages. The Soviet Government had always been understood the importance of development of the Arctic territories...

**РАЗВИТИЕ НАУЧНЫХ ИССЛЕДОВАНИЙ В АРКТИКЕ С 1920-Х ГГ. ДО КОНЦА
СОВЕТСКОГО ПЕРИОДА**

Аннотация. В статье обобщается история научных исследований в Арктике в период с 1920-х по 1991 год, во время существования Советского Союза. Рассмотрено развитие научно-исследовательских работ на Севере, их цели и объем на различных этапах. Важность освоения Арктических территорий всегда осознавалась советским правительством...

Requirements for the project and research works (necessary to pass the expert review)

1. A research or a project work should contain the following sections:
 - 1.1. The cover page, which is the first page of the work, must include
 - The title of the work (18-point Times New Roman)
 - Author/authors, their grade and affiliate (14-point Times New Roman)
 - Instructor, scientific advisor, their academic credentials, place of employment, job title (14-point Times New Roman)
 - 1.2. The table of contents should include the main headings of the work (introduction, chapter and paragraph titles, conclusion, list of references, appendix titles) and the corresponding page numbers.
 - 1.3. The introduction should include the formulation of the problem, reflect the relevance of the topic, define the goals and objectives set for the performer of the work, hypothesis, a brief review of literature and sources, the degree of research on the issue, a description of the personal contribution of the author to solving the chosen problem.
 - 1.4. The main part should provide the information collected and processed by the researcher, namely a description of the main facts under consideration, a description of the methods of solving the problem, a comparison of old and proposed approaches known to the author and methods of solution, justification of the chosen solution option (effectiveness, accuracy, simplicity, clarity, practical relevance, etc.). The main part is divided into chapters.
 - 1.5. The conclusion formulates the results obtained by the author and their significance (indicating, if possible, directions for further research and suggestions for the possible practical use of the research results).
 - 1.6. The list of sources and literature should include publications, editions and sources used by the author. The information about each publication should include, in strict order: surname, initials of the author, title of the publication, publisher, year of publication, issue number (in case if there are periodicals), number of pages. All publications should be numbered and arranged in alphabetical order.
 - 1.7. Authors may provide appendices with visuals (drawings, charts, maps, tables, photographs, etc.) which should be linked to the main content.

2. The work should not exceed 20 pages (not including the title page). Pages must be numbered. Creative designs may be attached to the text: videos, drawings, sketches, working materials, etc. The appendix may take up to 10 additional pages. They should be numbered, titled and referenced in the text.
3. The text of the work must be printed on a standard A4 white pages (210×297 mm, horizontal 210 mm). Font -Times New Roman, size 12-14, line spacing 1.5, margins: left - 25 mm, right - 10 mm, top and bottom - 20 mm.
4. Handwritten sections (formulas, drawing material, etc.) in black ink are acceptable.
5. The text of the work must be sent via an electronic form on the website in the format Rabota_Ivanov_PV.doc (PV - initials of the authors)
6. Additional requirements for the content of project work
 - The main idea and intent of the project;
 - Relevance. Analysis of the current situation;
 - Problem, goal, objectives of the project;
 - Stages of project development, types of work at each stage;
 - Project coordination and management;
 - Resources;
 - The results of the project (if any already available).

**The First All-Russia Scientific and Practical Conference for Schoolchildren
«THE ARCTIC - THE TERRITORY OF COOPERATION»**

**ASSESSMENT OF THE INFLUENCE OF ENVIRONMENTAL FACTORS
ON THE MORTALITY RATE OF THE POPULATION OF
AN INDUSTRIAL CITY**

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