

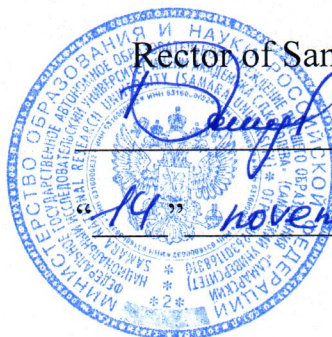


САМАРСКИЙ УНИВЕРСИТЕТ
SAMARA UNIVERSITY

APPROVED BY

Rector of Samara University

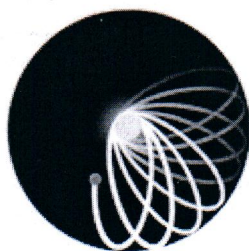
E.V. Shakhmatov



2017

REGULATION

**on the international contest
of scientific, technical and creative projects
regarding aviation and cosmonautics**



STARTING POINT

START WITH YOURSELF – CREATE THE FUTURE!

Samara, 2017

Goal of the contest: search and support of talented and creative youth who wants to be engaged in research and development and innovative activities.

Objectives of the contest:

- involving students in scientific activity in the sphere of aviation and cosmonautics;
- promotion of Russian and world aviation and cosmonautics achievements;
- assistance for development of educational environment in the technical sciences sphere.

Establisher and organizer of the contest

Samara National Research University (“Samara University”).

Contest committee

Chairman:

Evgeniy V. Shakhmatov – Doctoral degree in engineering, Professor, Rector of Samara University.

Participants of the contest committee:

Vladimir D. Bogatyrev – Doctoral degree in economics, Professor, Vice-rector for Educational and Foreign Affairs of Samara University;

Viktor A. Kuznetsov – Candidate degree in philosophy, Vice-rector for Humanities and Social Sciences of Samara University, Adviser to the Governor of Samara region;

Vladislav V. Likhachev – Head of the Department for Youth Affairs of Samara region;

Artem V. Onoprienko – Head of the “Illuminator” Samara University Photo Club named after Vladimir A. Kakovkin, the Prizewinner of the Andrei Stenin International Press Photo Contest;

Vladimir A. Sukhov – Head of the “ER-PRODUCTION” media studio, Establisher of “Bort” Samara University Video Journal, the Winner of the “KinOmetr” all-Russian festival;

Elena D. Bogatyreva – Candidate degree in philosophy, Associate professor, Head of the “Territory of Dialog” Creative Work;

Ilya A. Kudryavtsev – Candidate degree in engineering, Associate professor, Dean of the Faculty of Electronics and Instrument Engineering;

Sergey N. Tits – Candidate degree in engineering, Head of International Office of Samara University.

1. Participants

1.1. School-aged children, students of general education and specialized secondary education institutions, students of higher education institutions, postgraduates and teachers of education institutions of near and far abroad countries are invited to participate in the contest.

1.2 One participant is permitted to take part in one or more categories. Only one project is accepted for each category from one participant. One schoolmaster (teacher) or team of general education institution consisting of no more than three teachers can act as participant in the **“Space lesson” category**.

2. Contest period

The contest is held between November 15, 2017 and April 12, 2018. March 31, 2018 is the deadline for submitting projects.

3. Participant groups and contest categories

3.1 The contest is held in six categories and in four age groups.

3.2 Participant groups:

- schoolchildren of the 1-6 classes;
- schoolchildren of the 7-11 classes;
- students and postgraduates;
- teachers and lecturers of general education and specialized secondary education institutions.

3.3 Contest categories:

- **Scientific and technical category**
 - “Utility model” (practical studies, prototypes, operating devices and installations of utility model are accepted for the contest).
- **Literary and journalistic category (essay, composition, article)**
 - “Space and a human being”;
 - “The road to space is the dream of humanity”;
 - “Should we explore space?”
- **Art category (drawing)**
 - “Space – the starting point”;
 - “My spaceship”;
 - “Parallel worlds”;
 - “Space fantasy”.
- **“Media orbit” category**
 - “Photography”;

-“Report” section (photographic report of aviation and space event);

-“Genre photography” section (representation of episodes and images of everyday life of people whose lives have been connected or connected now with aviation and space).

- “Video blog”:

-“Search for aviation and space technologies and its application in everyday life” section;

-“Engineering” section (aerospace engineering: from history to nowadays).

- **Poetic category**

Thematic author's poems are accepted for the contest.

- **“Space lesson” category**

Methodological developments of classes/lessons regarding aviation and space.

4. Procedure of contest participation

Participants should submit application (Annex 1) and contest materials by March 31, 2018 (inclusive) to e-mail address ssaumks@gmail.com (the subject of the letter “Point of reference”).

5. Project requirements

5.1 The project submitted for the contest should be written in Russian or English.

5.2 Requirements for the projects submitted in **the scientific and technical category**

- The project should be submitted to the contest in electronic form.
- The project should consist of brief explanatory note (separate file, *.doc, *.docx format):

-title page (Annex 2) indicating project title, author and category;

-project content (a problem that can be solved using the utility model, description of model operation, structure diagram, etc.);

-photo of created utility model (from different angles);

-video clip with description of created utility model and demonstration of its operation.

- Format of provided materials:

Photos:

- JPEG image format;
- minimum image size 1000*1000 pixels;
- volume of the image is at least 5 Mb.

Video clip:

- video format - MP4, AVI, WMV, MOV;
- video size no more than 150 Mb;
- resolution 480p (854 x 480 pix), 360p (640 x 360 pix);
- maximum duration - 2 minutes.

- Project content should not exceed 5 typewriting pages (font – Times New Roman, size 14, interval 1), including illustrative material, diagrams, and annexes.

5.3 Requirements for the projects submitted in **the literary and journalistic category**

- The project should be submitted to the contest in electronic form.
- The project should consist of brief explanatory note (separate file, *.doc, *.docx format): title page (Annex 2) indicating project title, author, category and chosen section.
- The volume should not exceed 3 pages in A4 format (font – Times New Roman, size 14, interval 1).

5.4 Requirements for the projects submitted in **the art category**

- Drawings should be submitted to the contest electronically scanned. The scanned drawing for the contest should strictly satisfy the following requirements:
 - JPEG image format;
 - minimum image size 1000*1000 pixels;
 - volume of the image is at least 5 Mb.
- The project should consist of brief explanatory note (separate file, *.doc, *.docx format):
 - title page (Annex 2) indicating project title, author, category, chosen section;
 - description (summary of author's idea).
- The volume should not exceed 2 pages in A4 format (font – Times New Roman, size 14, interval 1).

5.5 Requirements for the projects submitted in **the “Media orbit”** category

- Photos should be submitted to the contest (black and white or colored) in electronic form according to the following requirements:
 - JPEG image format;
 - minimum image size 1000*1000 pixels;
 - image resolution: 200-300 dpi;
 - volume of the image is at least 5 Mb.
- Video should meet the following requirements:
 - video format - MP4, AVI, WMV, MOV;
 - video size should not exceed 150 Mb;
 - resolution 480 p (854 x 480 pix), 360 p (640 x 360 pix);
 - maximum duration - 3 minutes.
- The project should consist of brief explanatory note (separate file, *.doc, *.docx format):
 - title page (Annex 2) indicating project title, author, category, chosen section.
 - description (summary of author's idea).
- The volume should not exceed 2 pages in A4 format (font – Times New Roman, size 14, interval 1).

5.6 Requirements for the projects submitted in **the “Space Lesson”** category

- The project should be submitted to the contest in electronic form.
- The project should represent conception of the demonstration lesson on aerospace subject.
- The project should consist of brief explanatory note (*.doc, *.docx format):
 - title page (Annex 2) indicating project title and author;
 - project content (lesson form, structure, plan, course of the lesson and equipment).
- The volume should not exceed 5 pages in A4 format (font – Times New Roman, size 14, interval 1).

5.7 Requirements for the projects submitted in **the Poetic category**

- The project should be submitted to the contest in electronic form.
- The project should consist of brief explanatory note (*.doc, *.docx format): title page (Annex 2) indicating project title, author and category.

- The volume should not exceed 2 pages in A4 format (font – Times New Roman, size 14, interval 1).

6 Procedure for holding the contest

6.1 Only new projects, which are not previously participated in other contests or never published before, can be submitted for the contest. In the case of representation two or more projects by one participant, each project should be presented individually according to the contest requirements.

6.2 The projects submitted for the contest are not returned or reviewed.

6.3 If collective of teachers participates in the “Space lesson” category, the collective should be formed from teachers of various subject orientations.

6.4 The contest projects submitted for the “Space lesson” category by the collective of teachers should include lesson description for each individual subject of each teacher.

6.5 The contest committee reverses the right to use the projects submitted for the contest for the purposes of education, enlightenment and promotion of the aviation and cosmonautics achievements, including illustrations in albums and books, with the indication of author's name.

7 Project evaluation criteria

- Level of idea elaboration;
- Student independent thinking;
- Consistency of project presentation;
- Originality and novelty;
- Accuracy and quality of presentation.

8 Announcement of contest results and awarding the winners

8.1. The winners of the contest will be determined by the contest committee.

8.2. The contest results are announced by April 12, 2018.

8.3. The winners of the contest in each category will be awarded with diplomas and presents.

8.4 The winners of the “Space Lesson” category will be provided with methodical assistance in preparation and carrying out the lesson using Samara University models and development, as well as the possibility of presence of renowned research scientist, researcher of Samara University or other renowned scientists and researchers of the Russian Federation involved in aviation and space rocket industry.

9 Contacts

Address: 34, Moskovskoye shosse, Samara, 443086, Russia.

Tel.-fax: 007-(846)-2674-777.

E-mail: ssaumks@gmail.com

Kristina E. Zheleznyak – Project manager of the contest.

Evgeniy S. Chursin – Head of Mobility and Recruitment Department of Samara University.

Vkontakte – <https://vk.com/point.ssau>

Facebook – **Starting Point**