Federal State Budgetary Educational Institution

higher education

“Udmurt State University”

(FSBEI HE “UdSU”)

POSITION

International Open Science and Technology

festival of robotics

“Kalashnikov-Technofest”

Izhevsk, 2022**Content**

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**1.General Provisions**

1.1. This Regulation defines the status, goals and objectives of the international open scientific and technical festival of robotics "Kalashnikov Technofest" (hereinafter referred to as the Festival), the procedure for organizing and conducting the Festival, its organizational, methodological and financial support, the procedure for participation and determination of the winners and prize-winners of the Festival.

1.2. The organizers of the Festival are Kalashnikov Izhevsk State Technical University, Udmurt State University, “Kalashnikov Academy”, IdealTechno, Institute of Computer Science Izhevsk, N.N. Krasovskii Institute of Mathematics and Mechanics (IMM UB RAS). An Organizing Committee is created to hold the Festival. Any organization or executive body of state power of the constituent entities of the Russian Federation can act as a partner.

1.3. Organizing Committee:

• carries out general management of the Festival;

• approves the regulations of the Festival;

• decides on participation in the Festival of additional teams;

• makes other decisions that do not contradict this Regulation and the legislation of the Russian Federation.

1.4. The Organizing Committee operates on the basis of this provision.

**2. Panel of judges**

2.1. The panel of judges of the Festival is formed from the staff and teachers of the organizers and partners of the Festival, coaches of teams of secondary schools, institutions of additional education, and other institutions that are actively introducing educational robotics and have experience in refereeing.

2.2. The personal composition of the panel of judges and the jury is formed by the Organizing Committee of the Festival. The work of the panel of judges is headed by the Chief Judge.

2.3. The judges have full authority throughout all competitions; all participants must obey their decisions. In case of disagreement with the results, the team has the right to appeal against the decision of the judges to the Organizing Committee of the Festival or the panel of judges of the direction immediately after the end of its performance and no later than the end of the Festival.

**3. Festival objectives**

3.1. Popularization of engineering specialties, scientific and technical creativity and robotics among children and youth.

3.2. Development of educational competencies and practical skills in solving problems in the field of programming, electronics, industrial design and construction of robotic and automated systems.

3.3. Creation of conditions and provision of opportunities for schoolchildren and students to demonstrate the level of development and application of their professional competencies in the field of innovation and high technologies.

3.4. Revealing, selection and support of talented youth, exchange of experience of event participants.

**4. Festival procedure**

4.1. The festival is held full-time. Participation in the Festival is a team.

4.2. Applications for participation are accepted both from organized teams representing educational organizations and from the parents of the participants performing individually.

4.3. On the day of the competition, each team for participation in the Festival must prepare and bring all the necessary equipment: robotic kits, spare parts, software and laptop computers required to participate in the Festival. The organizers of the Festival do not provide equipment.

**5. Dates and venue of the Festival**

The festival is held annually in early February at the sites of the Organizers: Kalashnikov Izhevsk State Technical University, Udmurt State University, “Kalashnikov Academy”, The organizing committee is located at the Republic of Udmurtia, Izhevsk, st. Studencheskaya, 42, building 3, department "Mechatronic systems", FSBEI HE ISTU named after M.T. Kalashnikov, 426069.

**6. Festival program**

The festival includes several directions, which are held in parallel: Polytechnic Olympiad, Competitions for mobile robots, Competitions for unmanned aerial vehicles, Exhibition. Competitions in each type of competition are held in accordance with the regulations of the corresponding type of competition.

The festival is held in three directions.

1. **Polytechnic Olympiad** for the assessment of competencies in the field of robotics. It is a practical task in the field of:

- 3D modeling, design and 3D printing;

- electronics, electrical engineering, soldering of radioelements;

- programming and development of algorithms.

The competition regulations are presented in the regulations for the Polytechnic Olympiad.

2 **Competition robots**

Competitions are held in two categories:

**2.1 Mobile robots**

- First League (Competition of robots assembled from LEGO);

- Second League (Competition "not LEGO" robots weighing up to 2kg);

- Third League (Competition "not LEGO" robots weighing up to 5kg);

There are 3 types of competitions in the leagues: fights - a robot with a remote control; autonomous robot fights and robot figure skating.

**2.2 Unmanned aerial vehicles**

- Drone racing

- Autonomous flight

The competition regulations are presented in the regulations for the robots competition.

3. Exhibition of prototypes, technologies, algorithms and other achievements in the field of robotics, mechatronics, automation, transport and artificial intelligence.

Participants are assessed in the following nominations:

- Best design development / design solution.

- The best hardware and software solution.

- The best IT solution.

- The best solution in the field of industrial design.

- Robotics Team of the Year.

The competition regulations are presented in the regulations for the exhibition.

**7. Summarizing**

7.1. The composition of the winners and prize-winners of the Festival in each direction is determined by the panel of judges in accordance with the rules and regulations of a particular Competition direction, agreed with the Organizing Committee.

7.2. All participants of the Festival, except for the winners, receive Participant Certificates. The winners will be awarded with diplomas of the respective categories. Rewarding is held on the day of the Festival after summing up the results.

**8. Acceptance of applications**

8.1. The competitions are open, any registered participant who meets the requirements of the regulations can take part in them.

8.2. Applications for the Festival are accepted until 19.00 (Moscow time + 1) 01/10/2022. according to the attached form (Appendix A) in the format Festival\_Direction.doc (x) with the subject line "Application" by e-mail

kalashnikov-technofest@rcd.ru

or on the festival website https://kalashnikov-technofest.rcd.ru

8.3. The organizing committee can set a quota for the number of participants.

**9. Additional terms**

9.1. On the day of the competition, when registering for the Festival, all participants must provide the original "Consent to the processing of personal data" in paper form for each participant, signed by the official representatives of the participant or by the participant himself, if he is an adult. The organizing committee reserves the right to refuse to participate in the competition of the Festival to teams that have not provided "Consent to the processing of personal data". The application form is given in Appendix B.

9.2. Taking part in the Festival, guests and participants (or responsible persons) agree that during the event photo and video can be taken without the direct permission of guests and participants (or responsible persons), thus, guests and participants (or responsible persons) Of the Festival give their consent to the use of photo and video materials by the Organizers of the event at their discretion. Also, the participants (or responsible persons), taking part in the Festival, agree that the results of the competitions can be used to popularize and develop the Robotics Program without additional permission.

**10. Financing**

Travel expenses of participants (travel, meals, accommodation, etc.) are borne by the sending organizations

Appendix A

to the regulations of the Festival

**Application for participation in the Festival**

Organization \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| Team name |  |
| FULL NAME. leader |  |
| Phone, email address |  |
| Competition type |  |
| FULL NAME. participants,  Date of Birth | 1.( team leader)  2. |

Appendix B

to the regulations of the Festival

**REGISTRATION CARD**

**participant of the Festival of Robotics "Kalashnikov Techno Fest**

**"**Last name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

First name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Father name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Birth date (day, month, year): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Primary education: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Full name of the educational organization):

Additional education: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Full name of the educational organization of additional education for children):

Participant's identification document (birth certificate):

Serial\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date of issue\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, Office no.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Home address with zip code: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is there a status of a child with disabilities (yes, no) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

FULL NAME. parents (legal representative), phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(if possible, the place of work of the parents, to send letters of thanks)

FULL NAME. teacher, contact phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of parents (legal representative) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Teacher's signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Appendix B

to the regulations of the Festival

**CONSENT TO PROCESSING PERSONAL DATA**

**for the team leader**

**Open festival of robotics "Kalashnikov-Techno-Fest"**, I\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, registered at the address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Passport serial \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Number\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, issue date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

in accordance with the requirements of Article 9 of the Federal Law of 27.07.2006 "On Personal Data" No. 152 - FZ, I confirm my consent to processing at the Federal State Budgetary Educational Institution of Higher Education "IzhSTU im. M.T. Kalashnikov "of my personal data for the purposes and tasks established by the Regulations on the activities of the FSBEI HE" IzhGTU im. M.T. Kalashnikov "and also for the dissemination of my personal data in the following cases: use in statutory activities with the use of automation tools or without such means, including the collection, storage of this data in archives, use, distribution (transfer), publication of works and their placement in informational telecommunication networks in order to provide access to them in accordance with this Regulation; filling in the database of the automated information system for managing the quality of education in order to increase the efficiency of management of educational processes, conducting monitoring studies in the field of education, generating statistical and analytical reports on the quality of education; planning, organization, regulation and control of the activities of an educational institution in order to implement state policy in the field of education. In information and telecommunication networks, in order to provide access to them, the operator places protocols of participants, summary tables, statistical and analytical reports on the quality of education.

Personal data for the processing of which consent is given include: surname, name, patronymic, gender, age, passport data, date and place of birth, data on citizenship, address of residence, registration address, biometric personal data (photos, video), information about the office and mobile phone, personal e-mail, data on education, length of service, qualification category, position, place of work, place of study. The processing of personal data can be carried out by any means not prohibited by the legislation of the Russian Federation. Liability for the accuracy of the information provided is warned / warned. I acknowledge that I am aware of the right to revoke my consent by drawing up an appropriate written document.

I confirm my consent to the processing of my personal data for the purposes and in the preparation of various events of the Federal State Budgetary Educational Institution of Higher Education “ISTU im. M.T. Kalashnikov ". I confirm that I have read this Regulation.

Signature full name date

**CONSENT TO PROCESSING PERSONAL DATA**

**a minor participant of the Kalashnikov-Techno-Fest Open Robotics Festival (to be completed by the parent / legal representative)**

I, , registered at the address: passport serial number , date of issue , being the legal representative (parent / guardian / custodian (underline as appropriate)) of the child on the basis of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (birth certificates, information about the decision to appoint a legal representative, details of the agreement on the adoption of a child, other) \_ , (Full name of the child)

« » year of birth, , (place of brith)

having a birth certificate / passport seriel number , date of issue « » year, (issued by) registered at address (with zip code):

in accordance with the requirements of Article 9 of the Federal Law of July 27, 2006 "On Personal Data" No. 152-FZ, I confirm my consent to the processing at FGBOU VO IzhGTU im. M.T. Kalashnikov, my personal data and the personal data of my minor child, for the purposes and tasks established by the Regulations on the activities of the I. M.T. Kalashnikov, as well as for the dissemination of my personal data in the following cases: use in statutory activities with the use of automation tools or without such means, including the collection, storage of this data in archives, use, distribution (transfer), publication of works and their placement in informational telecommunication networks in order to provide access to them in accordance with this Regulation; filling in the database of the automated information system for managing the quality of education in order to increase the efficiency of management of educational processes, conducting monitoring studies in the field of education, generating statistical and analytical reports on the quality of education; planning, organization, regulation and control of the activities of an educational institution in order to implement state policy in the field of education. In information and telecommunication networks, in order to provide access to them, the operator places protocols of participants, summary tables, statistical and analytical reports on the quality of education.

Personal data for the processing of which consent is given include: surname, first name, patronymic, gender, age, passport data, date and place of birth, address of residence, registration address, biometric personal data (photos, video), information about the composition of the family , information about home, office and mobile phones, personal e-mail, data on education, length of service, qualification category, position, place of work, place of study.

The processing of personal data can be carried out by any means not prohibited by the legislation of the Russian Federation. Liability for the accuracy of the information provided is warned / warned. I acknowledge that I am aware of the right to revoke my consent by drawing up an appropriate written document. I confirm my consent to the processing of my personal data and the personal data of my minor child for the purposes and in the preparation of various events of the I. M.T. Kalashnikov.

I confirm that I have read this Regulation.

Signature Full name date

**CONSENT TO PROCESSING PERSONAL DATA**

**for an adult participant**

**Open festival of robotics "Kalashnikov-Techno-Fest"**

I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, registered at the address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ passport serial \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ number\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, date of issue\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

in accordance with the requirements of Article 9 of the Federal Law of July 27, 2006 "On Personal Data" No. 152 - FZ, I confirm my consent to processing at the FSBEI HE ISTU im. M.T. Kalashnikov of my personal data for the purposes and tasks established by the Regulations on the activities of the I. M.T. Kalashnikov, as well as for the dissemination of my personal data in the following cases: use in statutory activities with the use of automation tools or without such means, including the collection, storage of this data in archives, use, distribution (transfer), publication of works and their placement in informational telecommunication networks in order to provide access to them in accordance with this Regulation; filling in the database of the automated information system for managing the quality of education in order to increase the efficiency of management of educational processes, conducting monitoring studies in the field of education, generating statistical and analytical reports on the quality of education; planning, organization, regulation and control of the activities of an educational institution in order to implement state policy in the field of education. In information and telecommunication networks, in order to provide access to them, the operator places protocols of participants, summary tables, statistical and analytical reports on the quality of education.

Personal data for the processing of which consent is given include: surname, name, patronymic, gender, age, passport data, date and place of birth, data on citizenship, address of residence, registration address, biometric personal data (photos, video), information about the office and mobile phone, personal e-mail, data on education, length of service, qualification category, position, place of work, place of study. The processing of personal data can be carried out by any means not prohibited by the legislation of the Russian Federation. Liability for the accuracy of the information provided is warned / warned. I acknowledge that I am aware of the right to revoke my consent by drawing up an appropriate written document.

I confirm my consent to the processing of my personal data for the purposes and in the preparation of various events of the Federal State Budgetary Educational Institution of Higher Education IzhGTU im. M.T. Kalashnikov. I confirm that I have read this Regulation.

Signature Full name date