

International School
in Informatics
“Junior”
for IOI Training



IOI 2018 JAPAN
TSUKUBA, IBARAKI

- Marina S. TSVETKOVA¹, Vladimir M. KIRYUKHIN²
- *Russian Federation*
- *Academy of Natural History, National Research Nuclear University “MEPhI” Russian Federation*
- *e-mail: ms-tsv@mail.ru, vkiryukh@gmail.com*

Introduction



At the same time, the preparation of students in the different IOI countries is still very different. In order to attract more young people all over the world to participate in programming contest, and especially in IOI, it is necessary to solve two important tasks:

to start training as soon as possible and to allow countries (children together with their coaches) to exchange experience

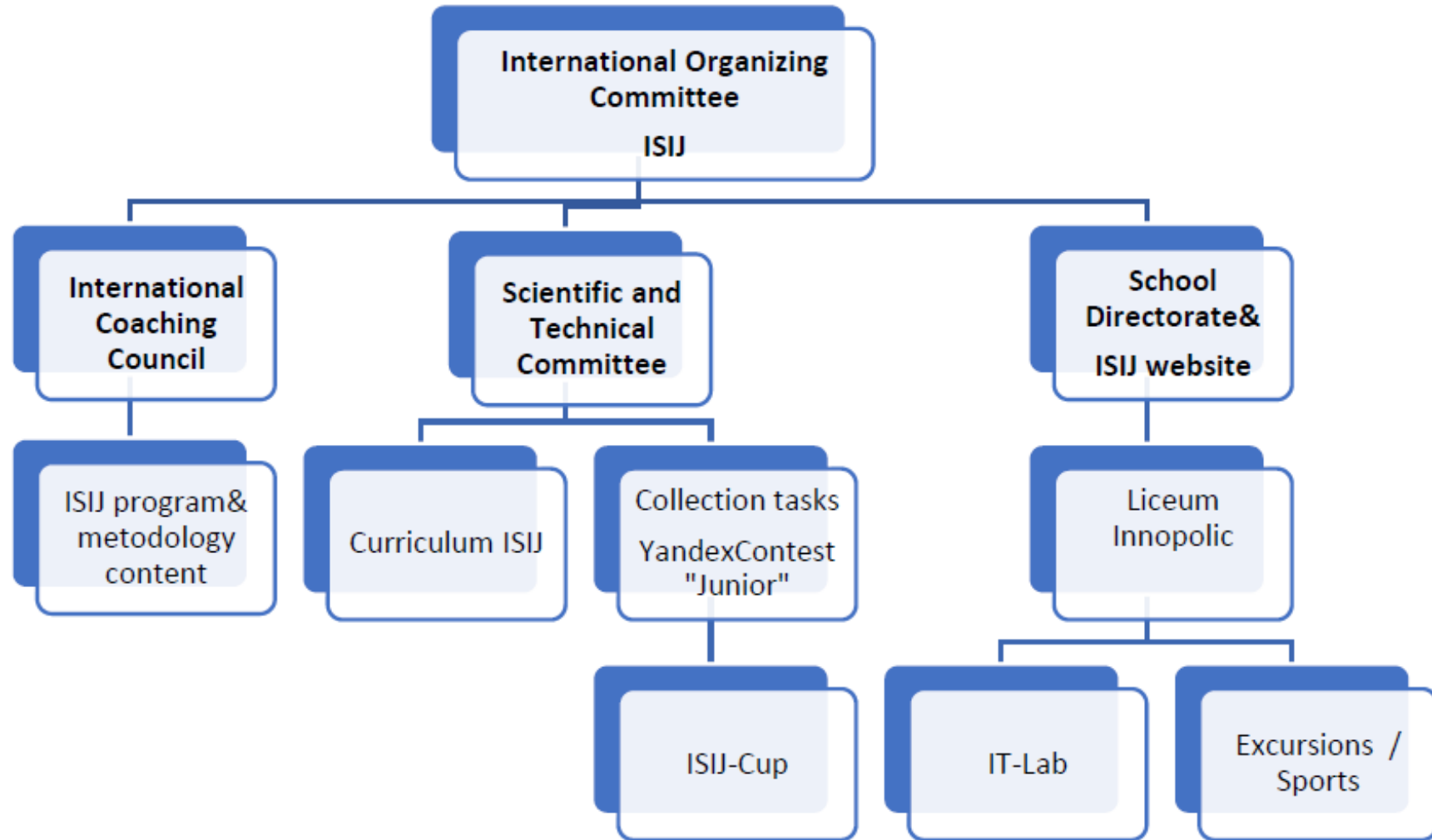
The background of the slide features several thin, curved lines in a light gray color, some solid and some dashed, creating a sense of motion and depth. On the left side, there is a blue graphic element consisting of a horizontal bar and a larger speech bubble-like shape below it, both in a solid blue color. The text 'The mission of ISIJ' is written in white inside the blue shape.

The mission of ISIJ

The mission of ISIJ is to create a space of Olympic startup in Informatics for all juniors of the world, to unite school teachers-innovators in Informatics in international coaching community, to stimulate exchanging of experience and creation of tasks for talented juniors.

It is important that in ISIJ the coaches of the juniors will participate too. They will cooperate in the International Coaching Council, will exchange experience, will create tasks, and will receive methodical training for work with young talents.

Organization structure ISIJ



The ISIJ provides

Participants. Focus group of training - juniors, keen on Olympiad Informatics, participants of the national Olympiad in Informatics and coaches of the junior team from country.

ISIJ classes focused on main Olympiads: EJOI (basic level- B) and IOI (advanced level-A), seminars. The content of classes of the school of Olympiad Informatics is based on the thematic sections of the International Olympiad in Informatics – "6.2 Algorithms and Complexity (AL)» <https://ioinformatics.org/files/ioi-syllabus-2018.pdf>

Distance session of the ISIJ is in the autumn-winter months for students ISIJ <http://isi-junior.com/klass/trainings.php>. YandexContest are the main partners of the ISIJ.

IT clubs on the use of IT in various fields of science and technology IT club is to form a space of formation of profile interests at the junction of science and information technology.

ISIJ-Cup. All teams of ISIJ take part in the Cup in two categories: level A (medal advanced level) and level B (medal Basic level) .

Robot-club. The Junior teams of ISIJ countries (no more than 4 participants in the team) can take part in the Robot-competition.

The background of the slide features a series of thin, curved lines in shades of gray, creating a sense of motion and depth. These lines are more prominent on the left side and fade towards the right.

Participants

In accordance with the Regulations of the ISIJ, the age of participants must be 13 and not older than 16 years.

Each country forms its national main team of 2-6 students and one coach. A coach participates in the ISIJ as a member of the International Coaches Council.

The country can present:

an additional team up to 6 participants

and additional team of girls up to 6 participants

Start - skills

- knowledge of the subject of Olympiad tasks at the level of the National Olympiad,
- primary experience in solving simple problems of Olympiad Informatics (national Olympiad level, or levels of simple problems in the EJOI/ IOI collection. Select a simple task from the collection can be based on the statistics of its solutions to the full score, in the Statistics section on the website ioinformatics.org),
- availability of primary experience of participation in online Olympiads in Informatics
- ability to use the system of competitions, to send the decision for check, to test the decision
- primary C++ programming skills

The schedule

June 25– day of arrival / Sports / Evening meeting / Organizing Committee ISIJ meeting

June 26 - Trial tour / Opening ceremony/ Museum of Olympiad Informatics/ Foto/ Press / Chess club June

27-Lesson 1 according to the schedule. / Seminar/ Robot club / Sports June

28-Lesson 2 according to the schedule / Seminar/ Robot club / Sports June

29-Lesson 3 according to the schedule / Excursion to Kazan. Science museum / Evening Kazan Kremlin June

30-Lesson 4 according to the schedule / Seminar/Origami club/ Sports

July 1-Lesson 5 according to the schedule / Seminar/ Chess tournament / Sports tournament

July 2 - Excursion / Robot-tournament / Awarding by the results of the Lessons schools and Robbotournament /Sports tournament

July 3-I-Cup-I / Seminar/ Origami club/ Sports tournament.

July 4 - Closing and awarding at the end of the cups / Foto / Press/ Party

July 5-Departure

Nomination

Regular awards ISIJ:

- 1-Diploma “The best participant of the day competition” according to the 5contests in School (by rating, in the case of equal points - the fastest),
- 2- Diploma “ Top students of the School of the year” according to the 5contests in School (Determines IOC and STC by participant rating).
- 3- Medalists of the Cup in the individual ranking (gold, silver and bronze, see 6.2)
- 4- Diploma “ Gold, silver and bronze Teams of the Cup” (3 teams, see 6.5)
- 5- Cup ISIJ – “The best participant of the Cup” (by rating, in the case of equal points - the fastest)

Special awards ISIJ:

- 1 - Gift “The youngest student of the School”(The best among the youngest participants) ,
- 2 - Gift “The most successful girl of the School contests” (in all 5 contests and ISIJ-Cup).
- 3- Diploma “The best student in each team of the country” (in all 5 contests and ISIJ-Cup)
- 4- Diploma “Top 3 teams of countries” (1-2-3 seats, the best average score in teams for all 5 contests and ISIJ-Cup) and Diploma coaches this teams.

www.isi-junior.com



International School in
Informatics "Junior"



MAIN About ▾ Organizers ▾ Participants ▾ Registration ▾ Classes ▾ I-Cup-I ▾ Robotclub ▾ Contacts ▾

International School in Informatics "Junior"



Welcome to ISI-junior!

 International Organizing Committee invites you to take part in the International School in Informatics "Junior" (ISIJ) in 2020

We invite representatives from the countries participating in the IOI to pass the initial registration of the country in ISIJ 2020 (25/06-5/07) or to take part only in Junior International Cup in Informatics 2020 (Junior ICI) 2-5/07 in ISIJ.

[Initial country registration open](#)

The school starts in the year of the 30th anniversary of IOI.

Our goal is to create an open international platform for the exchange of experience of the IOI countries to prepare young students for the Olympiad Informatics based on the best practices. I am sure that the countries that started this project –

Russia, China, Bulgaria Netherlands
– will become moderators of the international Coaching Council of the school, will integrate the best methods of training for beginners, which will allow other countries to join and go together to the high achievements in the Olympiads in Informatics.

ISIJ-2018 /25.06-5.07



Contact

For participation and invitation letters

Chairman ICO ISIJ Vladimir Kiryukhin vkiryukh@gmail.com

Director ISIJ: Marina Tsvetkova ms-tsv@mail.ru

For registration and payment of fees and visa support

The Executive Director of the ISIJ

IUrii Dedenev

E-mail: isij.world@gmail.com

+7 (900) 328-26-26