

# Report

## About the results of the ISU Junior Cup-2022

The fifth academic year of the ISIJ ended, as usual, with the School Cup. The Cup was held in full-time and online format according to the choice of countries. In person, 24 teams met in Dushanbe, the capital of Tajikistan - the official venue of the ISIJ 2022 Cup, with the full financial support of the Government of Tajikistan in the person of the Mayor's Office and the Department of Education of the capital of the Republic of Tajikistan, the city of Dushanbe, as well as leading lyceums of the capital of Tajikistan with a large representation of national teams. In total, in 2022, the ISIJ Cup covered more than 40 teams from 16 countries: Russia (teams of Mordovia, Chuvashia, Bashkortostan, Tatarstan, Crimea, Rostov, Novosibirsk, Moscow regions), China, Syria, Mongolia, India, Sri Lanka, Cuba, Peru, Afghanistan, Tajikistan, Kyrgyzstan, Turkmenistan, Kazakhstan, Uzbekistan, Belarus and Azerbaijan.



On July 10, the results of the ISI Junior-2022 Cup were summed up, which was held for the first time in a hybrid form – in person in the capital of Tajikistan, Dushanbe, as well as online in the Yandex Contest system.

The president and chairman of the jury is Vladimir Mikhailovich Kiryukhin, RAE Professor, Associate Professor. The official representative of the International Committee from Tajikistan is

Rustam Safarov, Director of the First Lyceum of Dushanbe.



Associate Professor Nikolay Anatolyevich Borisov, Deputy Chairman of the jury and head of the Scientific and Technical Committee of the Cup, took part in the organization and conduct of the Olympiad on behalf of ITMM NNSU. The jury was represented by Kinder Mikhail Ivanovich, KFU, associate Professor, Protchenko Alexey Nikolaevich, Republican Lyceum of Mordovia, computer science teacher, as well as in online form Jin Jing, representative of the National Computer Center of China.

The International Organizing Committee was represented by the Director of ISIJ – Marina Serafimovna Tsvetkova, Professor of RAE, Associate Professor.



In the capital of Tajikistan, almost 160 schoolchildren from 8 countries took part in the intramural part of the competition. In addition to the organizers of the Olympiad – Russia and

Tajikistan – teams from Belarus, Kazakhstan, Kyrgyzstan, Uzbekistan, Turkmenistan and Afghanistan came to Dushanbe.

**The Mathematical round** was the first in the diploma competition, which is a distinctive feature of this Olympiad: programmers solved mathematical computer science problems without the help of a computer, but the result was sent to Yandex Contest. Of the participants performing in Dushanbe, the best was the Belarusian schoolboy Dmitry Gorbатовsky, who solved 13 problems out of 15. In second place is a schoolboy from Uzbekistan Svyatoslav Kim (12 tasks), in third place is Arsen Muzhikov from Kazakhstan (10 tasks). The online participants coped with the tasks better, four of them solved all 15 tasks: two schoolchildren from China – Qiu Zi Xuan and Song Hao Ran, as well as two Russian participants from Rostov: Ivan Novikov and Mikhail Zhernevetsky.

**The second graduation tour (Coder Tour)** was an innovation of this year, it was prepared by a coaching group from China. In this round, the participants did not have to write their own programs, but it was necessary to find errors in the programs provided by the jury or to force a program that works correctly, or to find a more effective solution. Five of the participants in Dushanbe received a score of 150 points out of 200,

Of these, Rakhmetulla Akram from Kazakhstan took the first place with the best time, Dmitry Gorbатовsky from Belarus took the second place, then Valijonov Dilerbek from Uzbekistan, Mahmudzoda Bobokhon from Tajikistan and Svyatoslav Kim from Uzbekistan. The Chinese participants were in the lead online, two of them – Zhou Kang Yang and Wang Zhi Fang – received a full score, the best of the Russian participants Kamil Daminov from Bashkiria took sixth place with a score of 150 points.

**The third was the Marathon medal round**, where it was necessary to solve four tasks in four hours, tasks similar to IOI. The first in Dushanbe was again a schoolboy from Belarus - Dmitry Gorbатовsky with a score of 285 points out of 400. Behind him with a score of 130 points were three participants at once: Valijanov Dilerbek from Uzbekistan, Rakhmatulla Akram from Kazakhstan and Jurabekov Otabek from Uzbekistan. Zhu Kang Yang from China took the lead online with an absolute score of 400 points, all subsequent prizes were also taken by Chinese schoolchildren.

**The fourth medal round was called “Estafette”**, it was with a team competition and consisted of six separate stages (one task for one hour, different tasks for each stage), where each team member had to solve one difficult problem of the level of the International Olympiad in Computer Science, IOI in one hour. The result of the team was determined by the average score of all its participants. In a hard struggle in Dushanbe, the first place was taken by the Russian team from the Republic of Mordovia, Saransk, with a score of 79 points out of 100.



In second place is the team of Belarus with a score of 69 points,



on the third place is the team of Tajikistan with a score of 38 points.



In online at all stages, except one, the participants from the Chinese teams prevailed, who eventually took all the prizes, but at the fourth stage the task was submitted only to two schoolchildren from Mongolia. The third place was taken by a team from Bashkiria: Kamil Daminov, Artem Mingazov and Karam Suleymanov.

According to the results of all five rounds of the Cup, the Chinese national team was recognized as the best 10 participants, and its participant Zhou Kang Yang received a special jury award - a large gold medal for the best results of the year. Dmitry Gorbatovsky from Belarus became the best participant in Dushanbe.

In 2022, for the first time in online form, a Robot tour was held as an applied team tour of the robot programming cup on the C++& Arduino platform – Robot Tour. The most advanced teams took part in this round, while Diplomas were awarded in the Creative Team nomination (Syria, Russia, China). It is required to develop this new experience and in 2023, for the Works of the tour, this nomination will be supplemented with Diplomas of the Winning and Prize-winning teams. The head of the jury of the tour is Eduard Petrenko, MIPT.

A series of seminars on the methodology of preparing talented children for international computer science Olympiads was held for teachers and principals of schools in Dushanbe. The seminars were conducted by the ICIJ Organizing Committee (Tsvetkova M.S., Kiryukhin V.M.), a member of the jury, Protchenko Alexey shared his experience in organizing work on Olympiad

informatics at the Republican Lyceum of Mordovia.



All results are posted on the official website - <https://isi-junior.com/klass/results-and-awards.php>  
And top 10 students - <https://isi-junior.com/klass/top-list.php>



Congratulations to the winners and prize-winners, medalists of the tours and top juniors of the ISO 2022 year and their coaches with diplomas and awards.

The ISIJ International Organizing Committee thanks the participants of the competition and their coaches, as well as the Main Department of Education of the city of Dushanbe for organizing the Olympiad and expresses hope for further expansion of the participating countries of these

competitions.



See also the report of the Mir24 company

[https://mir24-tv.turbopages.org/mir24.tv/s/news/16514894/mezhdunarodnaya-olimpiada-po-it-vpervye-prohodit-v-dushanbe?utm\\_source=yxnews&utm\\_medium=mobile&utm\\_referrer=https%3A%2F%2Fyandex.ru%2Fnews%2Fstory%2FMezhdunarodnaya\\_olimpiada\\_poIT\\_vpervye\\_prokhodit\\_vDushanbe-e439c71f204427f2296866eaa0b17512](https://mir24-tv.turbopages.org/mir24.tv/s/news/16514894/mezhdunarodnaya-olimpiada-po-it-vpervye-prohodit-v-dushanbe?utm_source=yxnews&utm_medium=mobile&utm_referrer=https%3A%2F%2Fyandex.ru%2Fnews%2Fstory%2FMezhdunarodnaya_olimpiada_poIT_vpervye_prokhodit_vDushanbe-e439c71f204427f2296866eaa0b17512)