

REVIEW

of the closing first-priority theme 06-0-1120-2014/2018 **“Organization, Support and Development of the JINR Educational Programme”**

and opening of the new theme

“Organization, Support and Development of the JINR Human Resources Programme” for the period 2019-2023

During the reporting period, the JINR University Centre (UC) has carried out several programmes and successfully performed a series of events for JINR Member States university students, among them:

- over 400 students of the JINR based departments from MSU, MIPhT, MIPhI, University “Dubna”, and Member States Universities take courses within the frames of organised educational process at the JINR UC;
- educational practices and internships have been organized for students from Armenia, Belarus, Georgia, Mongolia, and the Russian Federation;
- a developed system of assigning Institute staff to JINR allows working on their dissertations for the Degree of Candidate of Science without mastering the programme of the scientific and pedagogical staff preparation during the PhD studies;
- organization and carrying out International Summer Student Practices, where university students get introduced into modern science and are able to work on a scientific project for 3 weeks in JINR Laboratories. More than 150 students from Azerbaijan, Belarus, Bulgaria, Cuba, Czech Republic, Egypt, Poland, Republic of South Africa, Romania, Serbia, and Slovakia annually attend three stages of International Student Practice. For some of them it may become a beginning of their scientific career at JINR.
- organization and carrying out the Summer Student Programme where university students from Member States apply on the website students.jinr.ru and JINR scientists select the participants. In this programme, students have a chance work on a scientific project at JINR for 6 to 8 weeks. Over 200 students from Member States and Associate Member States have taken part in the Programme since 2014.
- organisation and running of international summer student schools on neutrino physics in memory of Bruno Pontecorvo in 2015 in Slovakia and in 2017, student schools “Nuclear Physics – Science and Application” in Poznan, Poland and Brashov, Romania, International School “Nuclear methods for Environmental and Life Science” for the students and postgraduates from the South-East European countries in Budva, Montenegro, in April 2018.

The JINR UC has also been reaching out to school students and school teaches of the JINR Member States to spark the interest of pupils in natural sciences, provide an insight in the front-edge research and results achieved at the Institute. Within the frameworks of

this task, UC organises scientific schools for Physics teachers from JINR Member States at JINR and at CERN, provides the extended excursions for pupils, and since 2014, the Physics Days and competitions in Robotics have been carried out in Dubna to attract pupils to natural sciences and engineering.

About 40 high-school students from Dubna schools attend workshops organized and held at JINR UC which include laboratory works and lectures preparing for State Exams. For primary school students, supplementary education centre PRIMER carries out classes in Robotics. On the basis of the UC, the group of Prof. Yu.A. Panebratsev has implemented the project on a hand-on workshop with the software package «Virtual Laboratory of Nuclear Fission».

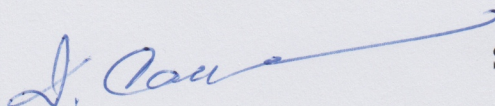
For the second time, the UC has organized this year a visit with an extensive excursion programme for high-school students accompanied by teachers from the HEMDA – Center for Science Education, Tel Aviv, Israel.

The UC has also put forward the importance of Human Resources programme for the employees of the Institute to undergo various trainings. Special practicing facilities on the basis of UC scientific and engineering group have been developed. The UC is constantly improving the licensed system of qualification development courses, professional skills gaining and mastering courses for technical and engineering staff of JINR. To help the employees achieve more at the international level, the UC provides teaching of English, French, and German languages, as well as Russian as a foreign language. More than a hundred JINR staff members annually attend the courses of the English language to improve or learn their language level so that they could present the scientific results on the international arena.

I strongly recommend considering a success the performance of the JINR UC on the realization of the first-priority theme 06-0-1120-2014/2018 **“Organization, Support and Development of the JINR Educational Programme”**.

Therefore, I find it expedient to support the proposal for the opening of the new theme **“Organization, Support and Development of the JINR Human Resources Programme”** for the period 2019-2023.

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