September' 19 Special Issue

World of

MEPHI FIRST FOREIGN BRANCH OPENED IN

TASHKENTI

Tashkent has hosted the opening of the first foreign branch of the National Research Nuclear University MEPhI. The event was attended by the Prime Minister of the Republic of Uzbekistan Abdulla Aripov, Director General of the Rosatom State Corporation Alexey Likhachev, representatives of the Academy of Sciences of the Republic of Uzbekistan, the rector of MEPhI Mikhail Strikhanov, scientists and other distinguished guests. **EDUCATION EXPORT**

MEPHI FIRST FOREIGN BRANCH OPENED IN REPUBLIC OF UZBEKISTAN



Speaking at the opening ceremony of the MEPhI Alexey Likhachev noted branch, Prime Minister of that the opening of MEPhI Uzbekistan Abdullah Ari- branch in Tashkent was pov noted that the imple- one of the most significant mentation of such an im- events of the year, which portant project had taken was of fundamental imporplace with the direct par- tance for Uzbekistan. «For ticipation of the President us it is a matter of honor, Shavkat Mirziyoyev, who for us it is a great pride, had personally chosen that for us it is a great chalsite for the construction of lenge! This is the first ofa modern campus a year ficial foreign branch of MEago.

high-tech project - construction of the first nuclear power plant in Uzbekicational standards, canuclear industry,» Aripov said. of the Uzbekistan government, today the branch of MEPhI is at the beginning of a long way. The Uzbek side intends to develop of the University, to introduce best practices and modern technologies in the educational process.

PhI, and it is very symbolic «Implementation of a that it is being opened in Uzbekistan,» the head of Rosatom said.

According to him, the stan, requires specialists construction of a nuclear with modern knowledge. power plant is a project for I am confident that the decades, and taking into branch will train highly account the possibility to qualified engineering and modernize the complex technical personnel at the even for a century. «Thus, level of international edu- we ensure the cooperation of our industries, our napable to solve the most tions for a century. And important scientific, tech- this is also a huge chalnological and production lenge and a great responsitasks in the interests of bility, » Likhachev stressed. «Uzbekistan returns a pre-existing nuclear com-According to the head petence. The country is joining a large family of nuclear scientists all over the world, implementing such a large and important nuclear project. But in adand support the activities dition to staffing the newly created industry, opening of the MEPhI branch is of great importance for science as a whole. Various

The head of Rosatom disciplines will be devel-University – the creation of new materials, 3D-modeling and other areas. This will affect the entire economy of Uzbekistan,» Likhachev said.

> turn, In the head «Uzatom» Jurabek Mirzaexpressed mahmudov

opened to the moment of - we recruited students, the NPP launch, that is, by built a good building and 2028, would have time to opened a branch. Now the the staff. From the first a full staff of lecturers and days after graduation ME- conduct the educational PhI graduates will be em- process at the world levployed in the directorate, which will be engaged in gratitude to the Ministry the design, construction and commissioning of the plant.

Welcoming the students, the rector of MEPhI Mikhail Strikhanov said that the requirements, we expect intergovernmental agreeto keep the high standard set by the founding fathers of the atomic project».

According to the rector, "It is amazing that Uzbekistan's leadership has an interest at providing highquality education that creoped on the basis of the ates intellectual and industrial elite, and in this of 2028. regard, at opening Russian universities branches".

> "We were also impressed by the fantastically short timelines of construction and high quality of work," the rector said.

He stressed that «the

confidence that a branch first stage was completed provide the industry with second stage is to recruit el.» The rector expressed of Education, Rosatom and Rosobrnadzor for effective assistance in the process of opening a foreign branch of the University.

In 2018, Russia and Uz-University imposed "high bekistan have signed an ment on the construction of a nuclear power plant based on the Russian project. It will be built by Rosatom with the assistance of Uzbekistan' colleagues. The first nuclear power unit of the Republic will be commissioned by the end

The Tashkent branch of MEPhI will train highly qualified engineering and technical personnel for the nuclear industry of Uzbekistan.



PROSPECTS

UNITY OF COUNTRIES AND GENERATIONS

storied building of MEPhI branch was constructed near the Institute of Nuclear Physics, Academy of Sciences of Uzbekistan in recordingly short time, namely in just one year. Its educational ate Professor of the MEPhI space is organized ac- Department of Russian as a cording to international Foreign, emphasized: standards: there are labequipment, interactive classrooms, libraries, coworking zone.

"This is all for you," said President of the Academy of Uzbekistan Behzod Yuldashev, welcoming freshmens. In addition, he drew attention to the need for learning foreign languages. "The acquire knowledge will become the basis for a new generation of people. Today, one of the most powerful cognitive tools is language. Uzbek, Russian and English should become your mother tongue", Yuldashev emphasized.

Classes will be conducted not only by teachers from Uzbekistan, but also by their colleagues from Moscow. Further training courses are planned in Tashkent closely with local teachers". and MEPhI in Moscow, as well as a joint discussion of training programs and tional elite of Uzbekistan.

The temporary five- methods. During first academic year, specialists from Moscow will help colleagues to organize the educational process. Special focus will be on learning Russian language.

Natalia Eremenko, Associ-

"Cooperation between our oratories with the latest countries is at the highest level. At the opening ceremony, we saw that the leadership of the Republic of Uzbekistan speaks excellent Russian. And, of course, of Sciences of the Republic students are required to have a good knowledge of the language. It was repeatedly mentioned at the highest level. For cooperation between Uzbekistan and Russia, the Russian language is necessary. Moreover, it is not only about the spoken language, but also about the skills of competent writing, as well as the use in the scientific field. Therefore, teaching the Russian language is one of our most important responsibilities here. In the first weeks we are setting up the educational process, in the future we are going to work

During the USSR period, Russia helped to grow na-



Nuclear Physics was founded in the suburbs of Tashkent. Houses for employees were built around it. Until the 1990s, the «nuclear» Ulugbek settlement developed. Everything changed dramatically with the collapse of the Soviet Union. The long-term scientific and economic ties of the institute were disrupted, and its activity began to decline. Today, INP employees and the people of the town idenopening of MEPhI branch.

Academy of Sciences of the search reactor, a cyclotron,

In 1957, the Institute of Republic of Uzbekistan, returned to the Institute after graduating from Rostov State University. This academic year he began teaching at MEPhI branch.

"Science cannot go forward with no connection between three generations," says Avas Vasilyevich. -There must be a transfer of traditions: the older generation keeps these traditions, the middle generation develops them, creates something new, and the tify their hopes for a better younger generation studfuture with the development ies and develops science of relations between Rus- further. MEPhI branch is sia and Uzbekistan and the located next to the largest scientific center of Uz-Avas Khugaev, head of bekistan. On the territory the laboratory of the INP, of the INP there are a re-

a gamma installation, a dosimetry service - everything is nearby. It is always possible to consult experts, ask them the necessary information. For our part, we are pleased to join the scientific and educational traditions of MEPhI and to develop them in Uzbekistan. Science is international. Between Uzbekistan and Russia there are long-standing deep scientific relationship and traditions. Many INP employees are graduated from Russian universities. We hope that the opening of branch of such a strong nuclear physics university in our country will contribute to further strengthening scientific ties".

THE BEST APPLICANTS OF UZBEKISTAN **GET INTO MEPHI**

This summer was especially out of 100, ten people scored more ploma paper research on the basis INP. hot for applicants and teach- than 90 points. ers: the admission campaign continued for several months, applicants came from all over Uzbekistan.

Total number of applicants was 667 for 100 state-financed places, which is more than 6 people per

The MEPhI branch is located near Institute of Nuclear Physics (INP) of the



The branch has 11 laboratories, a dormitory, a sports complex, and a library.

in cooperation with the main customer — the UzAtom Agency.

 The programs are designed so that our future graduates obtain an engineering education with the maximum coverage of knowledge and have the opportunity to find jobs in promising industries easily as much as possible. We will train specialists not only for UzAtom enterprises, but also for the Institute of Nuclear Physics of the Republic of Uzbekistan. We plan that some of them will be engaged in scientific activities in the field of fundamental physics", Maslov emphasized. MEPhI branch provides the four following undergraduate educational programs: nuclear energy and thermal physics; nuclear physics and technology; thermal power generation and heat power engineering; electric power generation and electrical engineering. At each of the four educational programs are studying 25 people.

place.

- Young people passed special entrance exams, which our university has the right to conduct, said Yuri Maslov, acting director of MEPhI branch in Tashkent. — We conducted three entrance exams: mathematics, physics and the Russian language. Minimum threshold was 40 points out of 100. An applicant, who got less than 40 points, was not allowed to the secondstage test and could not participate in the competition. In general, applicants done very well: the average score in mathematics is 57, in physics — 63. Moreover, four Republic of Uzbekistan. It is assumes

people in physics scored 100 points that students will have a practice and di- of study were developed at MEPhI

Education programs in each field

Graduates of the Tashkent branch

IN TOUCH

MY LUCKY TICKET TO THE FUTURE!

stan started to study at MEPhI on undergraduate and graduate programs in the field of nuclear physics and technology.

After a year of studying students shared their impressions and gave parting words to Tashkent branch freshmen.

Shikhnazar Amongeldiev, student of ME-PhI:



"Studying at MEPhI is very productive and interesting time. All teachers are highly qualified and love their job. Nevertheless, adapting to studying with such high intensity was not easy

Of course, for successful study it is important to know the Russian language well. But even if you have not a good language skill, you will quickly get used to it, because people around you are always ready to help. For me, the main problems related to the understanding of scientific terms, but today it is already in the past. During the studying, I improved my Russian and English language skills.

After graduation, I want to work in the UzAtom Agency and develop my country. The MEPhI di-

In 2018 first student' group from Uzbeki- ploma is highly regarded all over the world and, advantage of every opportunity that the univerundoubtedly, will give me additional chances for a sity offers. I am sure that the MEPhI diploma is a great career. I would recommend future students lucky ticket to the future". to be well prepared for the start, to be not afraid of difficulties and work hard on themselves".

Nasiba Nurzhanova, student of MEPhI:

"I always want to connect my life with a technical specialty that would be needed by my homeland. Once I learned that Uzbekistan is going to develop the nuclear industry. I decided to get an education in this area. I knew that MEPhI is a leader in the world in training personnel for the nuclear industry; I did not have to choose for a long time.

Studying at MEPhI is not easy, but it is worth it. MEPhI is famous for its highly qualified specialists and teachers. I am proud that I am studying with world-famous scientists. I did not have a language barrier; I am fluent in Russian. The most difficult for me was the laboratory work and preparation for the session. On other hand, I learned a lot about time-management.

Future students of the Tashkent branch are very lucky because they will study at one of the best universities in the world in their homeland. I would advise them to appreciate this and take



Vohid Kudratov, graduate student, MEPhI:



"At MEPhI, from the first days of study, we plunged into the scientific atmosphere and learned to appreciate every minute. We set ourselves a very high bar so that it would not be difficult in the future. Practice make perfect. The profession that we have chosen is responsible, dignified and prestigious. I am pleased with the level of teaching.

In addition to training subjects, I mastered the Python programming language and programs that are used for neutron-physical calculations. After graduation, I would like to work on the new nuclear power plant and contribute to the development of my homeland. I know that MEPhI graduates have a successful career. Well, I would like to advise MEPhI students in Uzbekistan to set themselves high bar from the first days of studying, but do not forget about the rest".

WE ARE PROUD TO BE STUDENTS OF MEPHI



the Tashkent branch, ME- ing atmosphere at the station chose MEPhI and began to PhI Rector Mikhail Strikh- impress me. It was very curi- prepare to exams. Later I anov presented student ID ous to see what was behind found out that new branch of cards to freshmen. During the doors of the laboratories. the ceremony, first-year- Since then, I have been intern nuclear energy as a ble! " ny with their famior example, the Dushamily came from the own of Gulistan: parrother and little sister appy as the freshman iddin.

On the opening day of Novovoronezh NPP. The work- years ago," said Asilbek. "I MEPhI would open at home in Uzbekistan. What is a great pleasure! I study at a presstudy. We are the first tigious university with grant s of new educational funding. In that way, I have ns for Uzbekistan. It is an opportunity to become one of the first employees in the people came to the field of nuclear energy that will help Uzbekistan move to new generation capacity. I study «Nuclear Energy and Thermophysics» and I hope to become a good specialist in the field of construction, operation and safety of nuclear power plants».

students hardly restrained	ested ir
their excitement - the	field of
first persons of the coun-	student
try congratulated them	program
and called them "a hope	honorat
of the nuclear industry of	Many
Uzbekistan".	ceremo
Freshman Nafosat	lies. Fo
Mashrapova and her fam-	aevs fa
ily have moved to Uzbekistan	small to
from Voronezh this year.	ents, br
"Our relatives live in Uzbeki-	were ha
stan, and we decided to move	Sirodzhi
to our homeland to be closer	
to them," she said I am lucky	For a
because MEPhI counted the	minov,
results of the Russian exam!	double

went on an excursion to the of a technical specialty two

student, Asilbek Muopening a branch is a double joy. A few years ago, my class "I made a choice in favor