

April ' 20



ONLINE-LEARNING

ONLINE-LEARNING AT MEPHI

Educational process

classes were resumed at will be made according to MEPhI. All relevant information on the distance learning format is in the tions for students and teachers are available at of technical problems, please, contact technical support: 9999@mephi.ru. For other issues related organized by MEPhI volto educational activities, unteers — relevant link to please contact program order is on home.mephi. managers or the student ru/orders. To use the seroffice: ru.

Dormitories

ing period are exempt from number.

fees for renting premises written statements of students.

Residents should be selfthe official cite. Instruc- exclude movement between floors and exit from the building. The provision home.mephi.ru. In case of food and medicine is carried out only by delivery of online orders.

The delivery was also stoffice@mephi. vice, you should to link the account in the «Contacts» section to your account on Students who leave the the social network vKondorms for distance learn- takte and your phone

On April 6, double and utilities. Recalculation ter the dorms, entrance mitories and exit from 23:00 to 5:00 are prohibited. We Proletarsky Prospekt, 8, recommend to students building 2). If you notice who were away to recorresponding section of isolated in their rooms and turn in dorms after the end of quarantine measures.

Additional sanitization is carried out in all build ings. There are

Only residents can en- medical posts in two dor- symptoms of a respirato-St., 2, building 1 and ately!

(Moskvorechye ry infection, please, seek medical attention immedi-



PROGRESS OF UNIVERSITY GETS FASTER BECAUSE OF SWITCHING O ONLINE MODE

tions at MEPhI, lessons to improve their qualificawere resumed in a new, distance format. How does MEPHI combine digital technology, theory, and practice in the new reality?

Everyone knows

The development of the digital environment the teacher and allows is provided by appropri- them to focus on laboraate infrastructure, content tory work and practical and trained specialists. In exercises. Now there are March, the MEPhI team had to accelerate the pace PhI, where specialists are of introducing digital technology into the educational process. An unexpected challenge is to transfer a national research univer- transfer all the main subsity.

Many years of MEPhI work experience with large educational online platforms came in handy: Coursera, EdX, Open Eduthe beginning of 2020, the MEPhI team prepared about a hundred mass open online courses. Over we primarily use Skype for the past five years, the number of students has exceeded 400 000 people. There are not just stu-

tions and gain knowledge.

According to the MEPhI pedagogical staff, the distance format is very important in the educational process. It removes the routine lecture load from two video studios at MEprofessionally engaged in shooting, editing, creating video content. Soon, the university will open task is not easy even for content and consistently jects to the remote format.

In real-time

Ready-made MEPhI online courses account for about 20% of the total educational material. Theredistance learning in real-

 For remote classes, Business, Zoom, WebEx platforms. These technologies allow online broadcasting without using ma-

After unscheduled vaca- higher education who want the studio, " said Valentin mephi.ru and LMS «Vec-Klimov, deputy director of tor». the MEPhI Institute of Intelligent Cybernetic Systems.

> Before teachers conducted these classes from classrooms, and students connected from home or dormitories. But since April 6, teachers online laboratory. conduct all classes from home.

One of the main problems — unpreparedness of most teachers to online mode: some older employees have not good working with new technologies. thousands of students and new three video studios MEPhI solved this issue by transfer of traditional forthe unit is attached to an experienced age teacher. He arrives at the professor's house and conducts classes with him. This methodology really works: young people help the older generation to learn cation, Universarium. At fore, university practices new technologies, and the older generation passes on the teaching methodology to young colleagues.

In virtual labs

Now the university

Teachers upload their teaching materials to the system, and students receive remote access to quarantine, educational resources.

> The real laboratory work at MEPhI was replaced with virtual analogs using various simulators and an

— I am sure that VR- and AR-technologies will develop in education. We have already seen that all the efforts of our colleagues are aimed at the development of new methods for creating new content, the additional impetus to the development of new technologies, and we need to use this moment wisely, said V.Klimov

One of the problems that universities will encounter is to conduct exams in an online format. At MEPhI, testing of the remote control system and face recognition system has begun.

The transition to the onhas an electronic learn- line format is also an oping management system. portunity to raise the level There are two active plat- of training at 11 MEPhI dents, but people with terial specially recorded at forms at MEPhI - online. branches located in sev-

eral regions of Russia. Students and teachers in small towns listen to lectures by prominent scientists; get acquainted with the methodological and scientific developments of the Moscow site of the university.

MEPhI is confident that the pandemic will pass, and new technologies will remain in the educational process.

— "The use of distance learning is very convenient and necessary in some cases," V. Klimov noted. — For example, this format is well suited for teaching teachers to the remote to constantly increase the creating an assistance sys- mats to remote ones. The foreign students who can mode in a short time. The production of high-quality tem. A young employee of pandemic served as an receive knowledge without crossing state borders, or for people with disabilities. Some students may not take academic leave for family reasons and thus not interrupt their studies for a long period. I think we would have come to the mass introduction of distance formats; just now we did it very quickly. After returning to normal mode, all materials will be used. This will allow universities to improve the educational process.

NEWS

FORUM «CAREER START **ONLINE» BRING TOGETHER** MORE THAN A THOUSAND MEPHI STUDENTS

More than a thousand about career offers of enterstudents of the National **Research Nuclear Univer**sity MEPhI took part in the forum «Career Start dents a wide variety of on-Online», which was held on April 7-8 in online business games, case chammode.

The forum became the first major career guidance event in the remote format in Russia. On the university's digital platform, MEPhI students real-time were able to ask visited the online offices of 33 organizations, found out

prises, signed up to attend job or internship interviews.

Employers offered stuline events: lectures and pionships and a variety of workshops — on digital engineering, self-presentation skills, writing resumes and interviewing. Students in questions about career and personal growth opportuni-

ties, internships, and material support for young people.

The forum was attended by enterprises of the State Atomic Energy Corporation ROSATOM, research organizations and large industrial partners of MEPhI from the high-tech, information, and financial industries. Participation in the forum allows enterprises to form a talent pool of young specialists from among future university graduates.

MEPHI STUDENTS ORGANIZE **ONLINE-ACTIVITIES**



Почему важно оставаться дома? Почему важно оставаться дома?

Our university has switched to a distance to create something in Pholearning format. This measures help to minimize the number of peravoid the accumulation sanova) of a large number of

But student life does not scientific society consist only of study, so we offer all mephists to participate in various online activities that we launch during the period of forced restriction of personal contacts.

- Master classes from the student media center "Public speaking and training diction" (Sergey Bala-
- Chemistry club (Dmitry) Gorbunov, Alexander Isupov)
- Programming group (Ivan Nizhnichenko)
- Adobe Primer workshops (Maria Istomina)

- Workshops about how toshop, OBS and Blender (Yuri Timofeev)
- Club for work in Adosonal contacts and to be Illustrator (Adelya Kha-
- Open online scientific students in classrooms. lectures from the student the marathon, more than
 - Intellectual quizes "My game"
 - Book club in online format. Discussing what we read online with Sergey Balakir, vote for the book of the week and etc.
 - Online movie club. Discussing different films with Polina Lavrentieva
 - Chess tournaments
 - Circle on space physics
 - Poetic evening from the Club of Poetry Lovers
 - «Mafia» online! Margarita Pasechnik registered players and organized playing in groups.

 Workshops of Centre Fine Arts

From April 1 to April 14, sport challenge from SSK «Reactor» was held. According to the organizers, 89 students competed in 600 video reports on training were published. Within two weeks, the organizers posted a set of exercises and the technique of their implementation on the official pages on social networks.

The contest «Miss and Mister of MEPhI» is held online. Follow in real time on the Internet!

If you have any ideas and free time, send your suggestions and we will help to implement them!

VOLUNTEERS



JOKES ASIDE!

On April 1, MEPhI students began to delivery of food, medicines and other essentials. The action is organized by the Joint Council of Students.

"Our action allows students to leave their dorms much less and stay at home. Now it is so important. All efforts should be taken to stop spreading the virus further. To do this, you need to stay home, go out only if it is necessary, " said Adelya Khasanova, chairman of MEPhI Joint Council of Students.

You can make an application at home.mephi.ru: choose the necessary products, medicaments, and home appliances. After that, a volunteer will contact you to ensure your order and state the final cost. After confirming the order, you need to pay by card (or make postpayment arrangements) and

wait for the volunteer with the products. He or she will leave products near your door.

Updates in the schedule for accepting applications and delivery you can find on the official page of the OSO MEPhI.

We remind you that in connection with the unfavorable epidemiological situation, the MEPhI dormitories' access regime has been tightened. Only residents can enter the dorms. Entrance and exit from 23:00 to 5:00 are prohibited. When you leave the building, you must tell the security guard the purpose of the exit and the planned time of return. You can go only to the grocery shop or pharmacy.

Doctors at the FMBA polyclinic strongly recommend observing a social distance 1.5-2 meters. We ask you to be conscious and to go out only in case of an emergency.

VOLUNTEERS OF SFTI MEPhl

at the Snezhinsk Institute stova, member of student conof Physics and Technology struction brigade "Freya". — We of MEPhI unites many so- know that old people, especially cially active students. To- 65+, are in the group of the **aether with members of the** risk. Therefore, we are involved SPTI Volunteer Club "Initiative", members of student groups come to help veterans, orphan homes and animal shelters.

During the period of self-isolation and distance learning at the university, the Volunteers of SPTI MEPhI took on another task — to help their teachers to solve technical difficulties in online-learning process. In addition, the guys are constantly in touch with the veteran organization of the university.

"During the period of selfisolation, we should help the lonely living people with the purchase of essential goods and

The volunteer movement medicines," said Daria Seliverin the work of the headquarters of mutual aid #WeAreTogether 2020.

> Center for Social Services of Snezhinsk accepts an application from an elderly person and sends documents by e-mail to the headquarters of volunteers. At the headquarters, documents are printed out and transferred to volunteers with personal protective equipment. They go to a person who needs help to take his application and money for purchases. Volunteers bring the goods or medicines to the applicant, execute of delivery acceptance act, and then, surrender the document in headquarters.

REGIONS

STUDENTS OF VITI MEPHI WON **CONTEST OF NEWSPAPER** «COUNTRY OF ROSATOM»

Students of VITY MEPhI Atomic Energy Corporation Ro- them was done in the audience entered the top-10 in the competition dedicated the anniversary issue of the newspaper «Country of Rosatom».

The first issue of the newspaper of the nuclear industry "Country of Rosatom" was released ten years ago. It is a weekly newspaper of State

satom.

The newspaper presents all the most interesting things in the life of the nuclear industry: the main news, events, people, technologies. On the eve of its decade, the newpaper announced a photo contest. According to its results, the top-10 photos were selected. One of

of VITI MEPhI at the lecture of the course «Safety Culture».

Among the winners are also photos at an almost five-meter depth in the pool, during sports and just outside, during a break at work, on the background of the famous Sydney Opera House during the International Youth Nuclear Congress, etc.



SARFTI TEACHERS AWARDED THE TITLE **«BEST INVENTOR OF RFNC-VNIIEF»**

For the first time, Russian Federal Nuclear Center "VNIIEF" held a compe-Inventor of the RFNC-VNI-IEF" according to the results of 2019. Winners and prize-winners were determined in two categories years old)".

According to the results of the competition, three employees of the nuclear center were awarded the title «Best Inventor of the RFNC-VNIIEF». Two of them concurrently teach at SarPTI MEPhI. The first place was taken by Konstantin Mikhaylyukov, head of the ITMF research laboratory. Dmitry Nikolaev, leading researcher of KB-3, professor of the Department of Radiophysics and Electronics of SarPTI MEPhI was awarded the second place. The third place in the same nomina-

tion was given by Sergey Gerasimov, head of the research department of KBtition for the title of "Best 2, professor of the department of special instrument engineering at SarFTI ME-

The titles "Best Young Inventor of the RFNC-VNI-"Best Inventor" and "Best IEF" were awarded to KB-2 Young Inventor (under 35 researcher Nikolai Trepalov (1st place), KB-1 category research engineer Sergey Levin (2nd place) and KB-1 category II design engineer Egor Chesnokov (3rd place).

The competition regulations take into account the maximum number of indicators characterizing inventive activity: the number of security documents registered in Rospatent for the reporting period, the complexity of the technical solved task, the implementation of results, the participation in exhibitions of inventions, and publication activity.

STUDENT OF SPTI MEPHI — SILVER MEDALIST OF OLYMPIAD "I AM A PROFESSIONAL"

The results of the Olympiad January 2020 at St. Petersburg entered the top-3. He became silver medalist. Alexander watched completed test tasks. According to Alexander, it helped him to win.

More than four thousand stu-Student Olympiad "I am a Pro-Designing and Modeling" in this real practical cases. season. In December, 75 people

were summed up in the spring of State University. Student of SFTI 2020: the winners received cer- MEPhI Alexander Pilshchikov was tificates and invitations to take the only one participant from an internship at the leading en- MEPhI in the field of "Digital terprises. Alexander Pilshchikov Designing and Modeling" at the Olympiad.

Participants had to spend 4 webinars, read methodologi- hours to complete the theoretical materials and independently cal part (to answer 7 questions on the topic of Computer-Aided Engineering), to build a 3D part using special software (Computer-Aided Design, CAD); to solve 5 dents were registered for quali- problems related to strength and fying stage of the All-Russian thermal conductivity using the SAE / FEA-system. According to fessional" in the field of "Digital experts, the tasks were based on

Alexander Pilshchikov is also were selected. Only 50 students gold champion of competition Atfrom 18 universities from 12 cit- omskills and Hi-tech 2018 in the ies, including Snezhinsk, took competencies "Design Engineer" part in the final. It was held in and "CAD Design Engineering".

