



# *World of* **MEPHI**

May '20



***WE REMEMBER!***  
***WE ARE PROUD!***



NEWS

# MEPHI CELEBRATES 75th ANNIVERSARY OF GREAT VICTORY

Employees and students of the National Research Nuclear University MEPHI held a series of events dedicated to the memorable date — the 75th anniversary of the Victory in the Great Patriotic War.

For the first time, MEPHI organized an online concert that in 2 hours of broadcasting collected more than 2000 views. The event was opened by the Rector of MEPHI Mikhail Strikhanov. "I want to thank the veterans, who, unfortunately, are less and less alive every year. The human memory will keep the names of those who died and those who lived a long life after the war." The rector emphasized the importance of preserving the memory of the war. "We see that at any moment we may need to mobilize all our forces to fight the trials - coronavirus or someone's aggressive plans. I congratulate everyone on this bright holiday and I hope that we will celebrate it with our success," said the rector.

Volunteers congratulated MEPHI veteran Mikhail Ivanovich Faykov: they



expressed gratitude to him on behalf of the entire university, performed songs of the war years and presented a bouquet of flowers and gifts. Mikhail Ivanovich took part in Operation Bagration, in a breakthrough at the Zeelovsky Heights, and the storming of Berlin. He was awarded the Order of the Red Star, the Order of Glory of the III degree, medals «For Courage», «For the Capture of Berlin», «For the Victory over Germany». Since 1953, Mikhail Ivanovich's life has been linked with MEPHI: he studied here, and then worked at the Department of Electrophysical Installa-

tions, in the Department of motor vehicles, and at the metrological service of MEPHI.

Mephists have shown once again that the younger generation is proud of the heroism of their great-grandfathers, does not remain indifferent to the history of their country. On social networks, they conducted a video rubric "Poems of Victory" — they read famous works dedicated to the bravery of the Soviet people who have been through the horrors and hardships of wartime. They talked about the heroes and workers, made lists of films, conducted a quiz with an increased

level of difficulty. In the framework of the campaign "We Will Still Say Thanks", they recorded short videos with words of gratitude to veterans and front workers. More than 400 national flags were placed on the balconies of the MEPHI dormitories in Moscow.

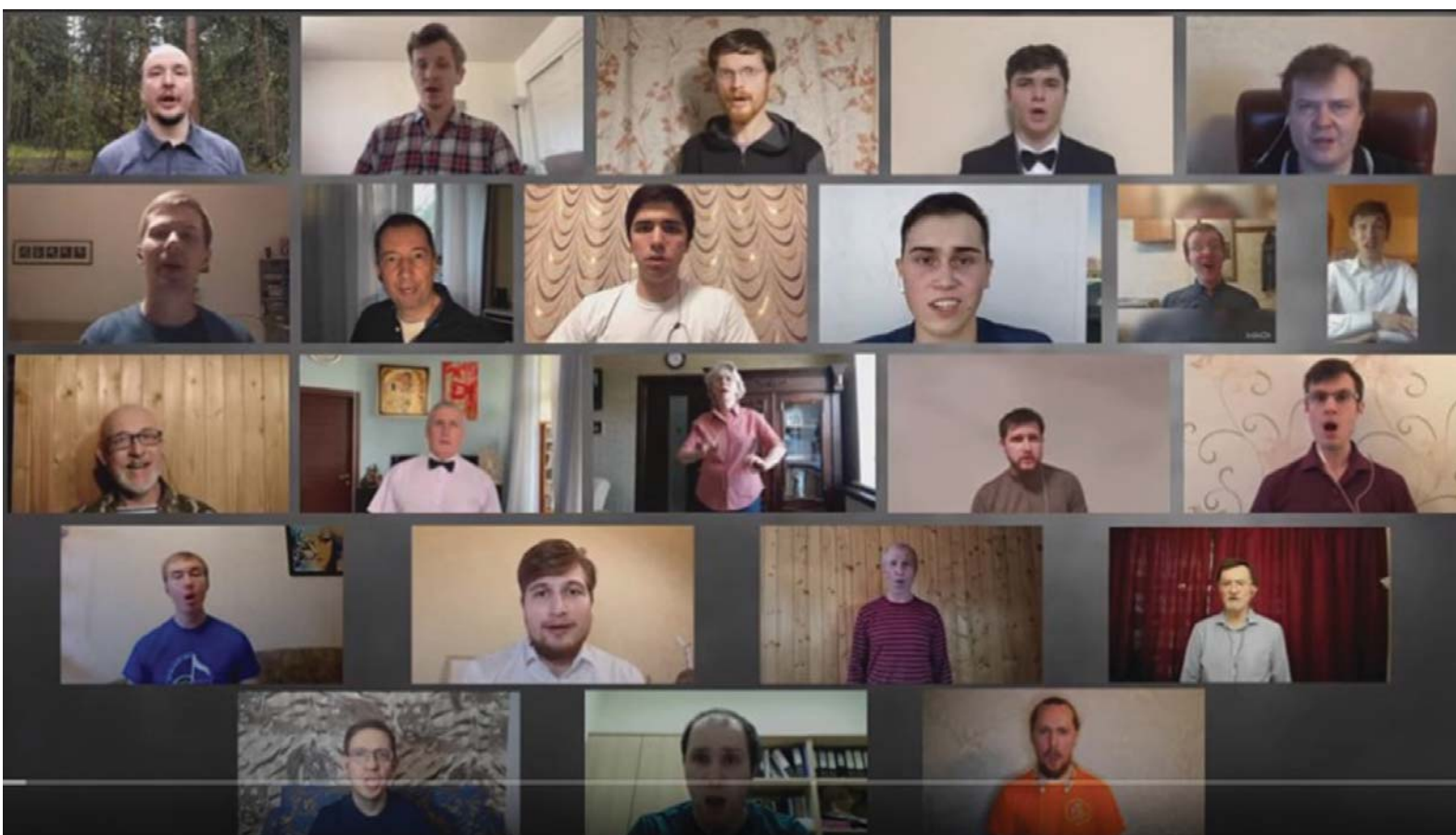
Employees and students of MEPHI also supported the all-Russian events for Victory Day, including the campaign "Immortal Regiment Online". The broadcast of the «procession» was carried out on various online platforms. By minute of silence and lights from the windows at night, people paid tribute to the

heroes and expressed gratitude for the peace.

Mephists cherish the memory of the heroic deeds. MEPHI created a special section of the site dedicated to the Year of memory and glory. There you can find video greetings, articles, photos of veterans, as well as the names and surnames of mephists who fought for their homeland or were home front workers. Each of them is part of the Immortal regiment of MEPHI.

In 2020, MEPHI participated in events dedicated to the memorable date, including the Meeting on the Elbe international tele-conference. The event brought together famous historians and scientists, public and political figures from Russia, the USA, France, Germany, India, China, former republics of the Soviet Union and other countries. They discussed the lessons of World War II, the meaning of "meeting on the Elbe" after 75 years, the possibility and necessity of cooperation for peace.

The Great Patriotic War became a tragic event inscribed in the history of each soviet family. At the cost of their own lives, the fighters provided a bright future for next generations. Each event is held in order to say once again: "We remember! We are proud!».





## RANTINGS

# MEPhI ENTERS TOP-150 BEST UNIVERSITIES IN THE WORLD IN RANKING OF RUR 2020

The rating agency Round University Ranking (RUR) has published an international university ranking for 2020, which includes 829 universities from 71 countries. National Research Nuclear University MEPhI for the first time entered the top 150 best universities in the world (121 place in the world and 2 place among Russian universities) in the international ranking RUR

2020. MEPhI improved its position immediately by 36 places compared to last year.

MEPhI showed positive dynamics in all areas of activity: the quality of teaching and research, internationalization, and the level of financial stability. In terms of the quality of teaching, MEPhI entered top-100 in the world; the quality of research in MEPhI

is the best among Russian universities.

"It is important to notice that according to the global ranking of Round University Ranking, among the top 10 Russian universities there are two leading classical universities — Moscow State University M.V. Lomonosov and St. Petersburg State University — and eight participants in the Project 5-100. At the



same time, all these universities showed a marked improvement in their ranking positions. Leading Russian universities are developing

and becoming more visible in the global scientific and educational space," said Mikhail Strikhanov, Rector of MEPhI.

## NEWS



## BLOCKCHAIN IN HEALTHCARE: NEW EDUCATIONAL TREND

In the beginning of May, MEPhI International science-methodical Centre held open online – lecture on the topic of using blockchain technology in the field of healthcare. More than 200 listeners from different regions of Russia, Armenia, Kyrgyzstan, Kazakhstan took part at webinar.

The lack of access to the require data from patient case report can lead to significant and perhaps critical delays in process of diagnosis and treatment. Patient-oriented medical information system will guarantee control and safe and reliable management of data obtained from several hospitals, which is important for patients with actively progressing and chronic diseases.

Graduate MEPhI Alevtina Dubovitskaya shared her experience in the development and implementation of blockchain-based system in the healthcare institutions. Alevtina has Ph.D. in Computer and Communication Science (Swiss Federal Institute

of Technology). She is professor of blockchain technology at Lucerne University of Applied Science, consultant at the field of blockchain projects at Swisscom.

The lecture addressed issues of using blockchain technologies in the field of healthcare: applications, risks and obstacles for implementation, the specifics of medical information systems in the term of interoperability and ensuring the security of personal data. The speaker also payed attention to the technical, legal and social aspects of current development and implementation blockchain-based system in the hospitals.

At the end of webinar, Alevtina Dubovitskaya announced new online-course "Practice of implementation blockchain technologies in medical industry". It was prepared together with professor of MEPhI Sergey Zapechnikov. The course is free for Russian teachers. All participations will get a certificate of professional development.

## II SCIENCE DIPLOMACY SCHOOL HELD AT MEPhI

On 15-16 May, MEPhI Science Diplomacy Club and MGIMO International Security Club organized II Science Diplomacy School «The NPT: preserving the legacy». The school brought together 13 experts, 38 participants, and 30 students from Russia, Ireland, the United States of America, France, the United Kingdom, Uganda, India, Bangladesh, Germany, Switzerland, Republic of Korea, Romania, Japan, Sweden, China.

The school was dedicated to the 50th anniversary of the entry into force of the Treaty on the Non-Proliferation of Nuclear Weapons (NPT). In this regard, it had the following thematic areas: non-proliferation, disarmament and peaceful use of nuclear energy.

The vice-rector of MEPhI Tatyana Leonova and deputy director of the Institute of International Relations of MEPhI Andrei Cherkassky addressed the participants

with a welcoming speech.

During two working days, experts held lectures; among them were former Head of Verification and Security Policy Office, reporting to the IAEA Director General Tariq Rauf, Director of Open Nuclear Network, a program of One Earth Future Laura Rockwood, External Relations Officer, Protocol and International Cooperation (CTBTO) Maria Chepurina, Associate Professor IIR MEPhI Vladimir Kuchinov, Advisor to the Director General of State Atomic Energy Corporation Rosatom Vladimir Artisyuk, PIR Center Consultant Andrei Baklitsky, IMEMO RAS Research Fellow Dmitry Stefanovich, First Secretary of the Permanent Mission of Russia to the International Organizations in Vienna Gleb Maslov, IMEMO RAS Research Associate Darya Selezneva, Director of the Eurasia and Nuclear Non-Proliferation Program, Middlebury Institute of In-

ternational Studies in Monterey, USA Sarah Bidgood.

On the second day, the organizers held activities: a scenario analysis of results of the NPT Review Conference 2021 together with an analyst at the MGIMO Institute for International Studies Adlan Margoev, IAEA safeguards intellectual game with a researcher at the Vienna Center for Disarmament and Non-Proliferation Noah Mayhew, interactive workshop with an analyst for the Open Nuclear Network, the program of One Earth Future Veronika Bedenko. The role play "NPT Negotiation Process: Back to the 1960s" was organized by Ksenia Pirnavskaya, student of IIR MEPhI.

Despite obvious difficulties, the School has become a platform for all members of "non-proliferation and disarmament" family to discuss outstanding issues, share experience, and make new acquaintances among like-minded people.



## REGIONS

## SFTI MEPhI STUDENTS CROCHET BLANKETS FOR VETERANS

Girls from SFTI MEPhI students construction brigades "Freya" took part at touching action - "Warmth to a square" dedicated to 75th anniversary of Great Victory.

Each of eight participants of action crocheted a small square by yarn and needles, which became a part of big blanket. During crocheting girls told about their veterans - grandmothers and grandfathers, whose stories and exploits became a part of the common Victory. Each girl took a video and posted at social media.

Larisa Vladimirovna Khalturina got one of these blankets. She was born on February 8, 1938, during the war she was in the besieged Leningrad. Of the ten members of her family, only three survived. In July 1942, Larisa was evacuated along the "road of life" from the city. Now Larisa Vladimirovna works in a unit of the Snezhinsk Research and Development Complex. The veteran heads the city council of the blockades of Leningrad; constantly meets with students and schoolchildren.

"This action is needed to show that the memory of the people exploits is alive. In each square of blanket is invested much more than just yarn. – said Olga Karelina, a fighter from SCB "Freya". "It contains our appreciation and gratitude for the peaceful sky above our heads!"



## PROFESSIONAL PRACTICE OF IATE MEPhI MEDICAL STUDENTS

**More than 212 medical students of the fourth, fifth and sixth courses of the medical faculty IATE started their practice, of which 75 students have practice at Clinical Hospital No. 8 of the FMBA of Russia, 37 students – at Tsyba Medical Radiological Scientific Center, and 100 students – at medical institutions at their place of residence. Students have practice every year; it is an integral part of the educational program.**

Four-year students work as medical assistants. The task of five-six-year students is to help doctors, fill out documentation, prepare information messages, and conduct preventive events that exclude contact with patients with coronavirus infection.

All students were screened for coronavirus infection. The day before, students had basic training on the safety and use of personal protective equipment. Mass meetings are now prohibited, so the students were instructed in small groups.

MEPhI provided personal protective equipment for trainees.

During the internship, in order to limit the number of potential contacts, students were accommodated in suburban dormitories of large city enterprises. Students live two people in a block: in room lives one person. The rooms are equipped with everything necessary for comfortable living. Three meals a day are provided. The transfer of students to the place of practice was organized by IATE MEPhI.

## VOLUNTEERS

## TI MEPhI STUDENTS CONGRATULATED VETERANS

**Volunteer students of the Technological Institute of MEPhI joined the city volunteer headquarters.**

The institute has an association, whose students throughout the year help to organize city events. On the eve of Victory Day celebrations, the administration of city Lesnoy addressed TI MEPhI with a request for help. Eleven students of the Institute responded to a request: passed special training and received certificates. Students delivered postcards, grocery bags, and gifts to veterans and older people. Only 17 participants of the Great Patriotic War remained in the city. All of them received sincere attention and support from young citizens - students of TI MEPhI.

## VOLUNTEER MOVEMENT AT DITI MEPhI

**Volunteers of DITI MEPhI are actively involved in various fields of activity.**

The All-Russian Public Movement "Medical Volunteers" has existed since 2013. This

organization is engaged in assisting medical personnel in medical institutions, vocational guidance for students, and the promotion of a healthy lifestyle and the prevention of

diseases. Now the All-Russian public movement "Medical Volunteers" has 85 regional branches. One of them is located in Dimitrovgrad, curated by Tatyana Mironova, a stu-

dent of the specialty «Nursing» at the DITI MEPhI. During the self-isolation regime, Tatyana is living in the village of Novaya Malykla. There she organized a group of volunteers to help older people by delivering food and medicine.

Volunteer students at DITI MEPhI as part of the Horizon creative space team took part in the filming of motivational videos. They urged citizens to monitor their health and stay at home.

Residents of retirement homes are particularly difficult to endure self-isolation; student volunteers communicate with them by video link, help them to gain basic computer skills. Volunteer-lawyers provide legal support on issues of interest.

Students of the Faculty of Information Technology formed a corps of digital volunteers. They help Dimitrovgrad school teachers work with distance learning platforms.

