



World of MEPHI

November' 16

ROSATOM CAREER DAYS IN MEPHI



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MORE THAN 3.2 THOUSAND STUDENTS AND GRADUATES OF LEADING RUSSIAN UNIVERSITIES



On November 29, the final events of Career Days of the State Corporation Rosatom have been held in MEPHI – a large-scale project, which the State Atomic Energy Corporation held in conjunction with MEPHI and Rosatom Corporate Academy for the seventh year in a row.

This year more than 4,000 students and graduates, representing 80 leading Russian universities sent applications for participation in the Career Days. It is 1.5 times more than in previous years. More than 3200 visitors came that day in the University. Approximately the same number of regional participants connected to the individual events (lectures and panel discussions) via online broadcasting.

The central event of Rosatom's Career Day was the lecture of the General Director of the Rosatom State Corporation A.E. Likhachev. More than 30 organizations, including supporting universities of the State Corporation and regional branches of MEPHI, connected to the online broadcast. In a form of active dialogue A.E. Likhachev told about the future of the nuclear industry. He paid special attention to

experts which Rosatom needs today. He emphasized that the hallmark of employees of the nuclear industry is a good education. Expressing confidence that MEPHI provides its students with a quality education, he suggested to pay great attention to language skills, which will be a benefit when applying for a job at the State Corporation.

This year the job fair as a part of Career Days was attended by more than 40 leading enterprises. Their representatives spoke about career opportunities and the benefits of working in the nuclear industry, professional development prospects, outlined proposals for practices and internships.

The panel session "Dialogue with the employer" students were able to communicate with young professionals who have recently graduated the university but already managed to

build a successful career. In addition MEPHI Alumni Association organized a meeting with graduates who occupy senior positions in companies and organizations of nuclear industry.

Rosatom Career Days included a number of events, contests, quests, quizzes, aimed to attract graduates of leading technical universities into the nuclear industry: Rosatom Career Game; quest "Global Rosatom"; intellectual game "Corporation of knowledge. Reset"; a competition of student presentations in the Pecha-Kucha format; training on the Rosatom production system "Sandwich Factory"; a competition for the development of new formats of engineering business games; contest for the assembly models of fuel elements from the Novosibirsk chemical concentrates plant; master class in 3D modeling from the developers of the LOGOS software complex of RF-NC-VNIIEF, and, of course, the final of the engineering competition "Chain reaction".

A lecture on "Energy: the present and contours of the future" has been held for Pre-

university schoolchildren and pupils of engineering classes. Lyceum students also participated in key competitions and events where showed a good level of training. During the day they participated in the competition of logos, which results were fixed by the chief editor of the Russian Book of records S.A. Konenko as a new corporate record of Rosatom.

The Career Day ended with a solemn awarding ceremony for

the winners of competitions. Prizes and gifts were handed by the General Director of the Rosatom State Corporation A.E. Likhachev, the Director of the Personnel policy Department D.A. Gasten, and the Director of educational programmes V.V. Karezin. They congratulated the winners and expressed the hope to strengthen friendship and cooperation between MEPHI and the State Corporation.



AIS-GRID SCHOOL: AT THE CUTTING EDGE OF SCIENCE

MEPhI actively cooperates with Russian and foreign scientific organizations in the field of education. This partnership with the Joint Institute for Nuclear Research (JINR) and the European Centre for Nuclear Research (CERN) resulted in the organization of the VII International school on information technology "GRID and advanced administrative system" (AIS-GRID), which was held in Dubna.

MEPhI students of the Department №40 "Physics of elementary particles" took part in the school and shared their impressions.

Dariya Koshelenko:

When your research is connected with the analysis of physical data, sooner or later you realize the importance of practical skills in computer technologies. Currently, each scientist should constantly follow new trends in programming and development of mathematical models and data processing algorithms.

For me AIS-GRID school has undoubtedly become a place where I managed to learn new things in informatics and even train new skills at real exercises. Lectures were interesting and not overloaded with details, making them easier to digest. The first 10-15 minutes of each lecture allowed to form a clear understanding of the subject, the degree of relevance specifically for those tasks that you usually deal with. The technical details were discussed after the main part of the lecture.

The majority of the guys there are programmers or

mathematicians. There are not so many physicists, but it is more an advantage. When a specialist from another area looks at your task, he's probably going to propose a solution, typical for him, but maybe brand new to you. All this allows not only to communicate with interesting people but also take a fresh look at usual tasks, to bring something new in your scientific work.

I was especially glad to get acquainted with specialists in neural networks, who told me about possible applications of neural networks in high-energy physics. Some time ago I tried to use neural networks for physical analysis, which our scientific group in MEPhI conducts, but the results were not precise at that moment. Together with JINC and CERN employees we've created an algorithm, which might show better results.

In addition to the School, which includes not only lectures, but also various com-



petitions, hackathons and parties, we had an excursion to the JINR. There we managed to see the Nuclotron, infrastructure of the GRID network, communicate with staff members of JINR. Overall the trip was productive and gave a lot of topics for further work.

Ekaterina Kozlova:

AIS-GRID school is an event, which gives a possibility not only to learn something new for your research,

but also broaden your mind in general. First three days the lectures were given by CERN specialists. They talked not only about academic analysis, but also about such practical things as methods to support the entire computing infrastructure of large scientific organizations. For me as a physicist it was very interesting to learn about the inner workings of computing systems at CERN and JINR. The last two days were de-

voted to the physics and future experiments at JINR's Collider of protons and heavy ions NICA. The students had a unique opportunity to learn news from the cutting edge of modern fundamental science.

The program of the school included exciting hackathons, Grid Wars competition, excursion to JINR and informal evening meetings with specialists.





MEPHI RUGBY. SPORTS AUTUMN OF 2016

Intense sporting events of the new academic year didn't provide our students with opportunities to be bored. Since the beginning of the semester the athletes of NRNU MEPhI took part in several major events held in Moscow.

"Moscow Games 2016", held

in Moscow on September, 7-9, finished with the medals and a cup for the third place in rugby-7 competitions.

Our students didn't have time to take a breath. On September, 11 our University faced his old rivals – teams from the Lomonosov Moscow State University, Bauman Moscow State Technical

University and Moscow State University of Civil Engineering. MEPhI held the event for the eighth time. The Games were held as a part of Moscow student rugby tournament, dedicated to the memory of the MEPhI first rector V.G. Kirillov-Ugryumov. Despite the tradition of recent years, the gold Cup

and medals were taken by MSU students. MEPhI rugby players took silver in this game.

Then MEPhI rugby players participated in the Moscow Championship on rugby-7 as a part of 29th Moscow student sports games. After conducting 8 meetings in 2 tours, we have won in 6 games and lost

in two. As the result, MEPhI is on the 4th place out of 18 university teams – Championship participants. The first two tours of these competitions are conducted in autumn, the third and the fourth – in spring.

We congratulate our rugby players and wish them victory in spring.



MEPHI TOURIST CLUB – WINNER OF RUSSIAN COMPETITIONS!

The XX Russian competitions on sports tourism "Race of Four" has been held on 12-13 of November. This year the jubilee event

gathered more than 3000 participants from all over the country. During the two days athletes covered distances of various difficulty

levels, passed 5 - 8 technical stages, ran 3 - 10 km.

More than 20 athletes from MEPhI tourist club took part in 2, 3, and 4 class distances. According to the results of the second competition day they took the 1st place (men) and 3rd place (women) at the distance of 3 class, and also showed good results at 2nd and 4th classes. Also several graduates of our University competed in the teams of Moscow and Moscow region, occupying leading positions among Russian athletes.

Winning athletes from MEPhI has received sport qualification in sports tourism for performance at these competitions.



MEPHI STUDENT IS ONE OF THE BEST SYNCHRONIZED SWIMMERS OF RUSSIA

On November, 22-26 the Cup of Russia in synchronized swimming has been held in Moscow region.

MEPhI 4th year student Zhanna Borovskaia – master of sports, candidate to Russian national team, winner of the Cup of Russia 2016 – won the 2nd place among the subjects of the Russian Federation as a part of Moscow team and the 3rd place in the personal event; 3rd place among duets in the personal event. She also represented Moscow team as a part of the group, which won the 5th place.

