



### DonNTU Takes Part in the Open Day of Universities of the Southern and North-Western Federal Okrugs at the NEAE



Photo: E. Alexeeva's Report

DonNTU's delegation took part in the International Exhibition-Forum "Russia" hosted by the NEAE pavilion "Russia is My History" on May 29<sup>th</sup>- June 2<sup>nd</sup>.

DonNTU's representatives got acquainted with the best universities of two federal okrugs- the Southern and the North-Western.

Those present were greeted by representatives of the departments of the Ministry of Science and Education of the Russian Federation.

Then information reels were demonstrated and universities' presentations made.

DonNTU showed a promoreel, a video film on university's scientific achievements, Prof. Anoprienko's (the Rector) speech "DonNTU is a Possibility Territory for Young People" and dancing of students of the Automobile Roads Institute of DonNTU. Our presentation was a success and supported by the audience.

### The Working Meeting with Representatives of the Ministry of Education and Science of the Russian Federation and the Ministry of Education and Science of the DPR at DonNTU



Photo: DonNTU's Site

The working meeting of the Rector and Vice-Rectors of our university with representatives of the Ministry of Science and University Education of Russia and the Ministry of Education and Science of the Donetsk People's Republic took place at DonNTU on June 13<sup>th</sup>. The issues of university's infrastructure including academic buildings and hostels capital repairs were discussed.

### The Meeting of the Chairperson of Donetsk Regional Branch "Russian Mechanical Engineers Union" and University's Rector with Participants of the XII International Youth Industrial Forum "Engineers of the Future -2024"

There was a meeting of the Chairperson of Donetsk Regional Branch "Russian Mechanical Engineers Union", the founder of the Company "Yasinovatski Machine-Building



Photo: DonNTU's Site

Plant” Mr. Trubchanin and DonNTU’s Rector Prof. Anoprienko with participants of the XII International Youth Industrial Forum “Engineers of the Future -2024” at DonNTU on July 11<sup>th</sup>. The Forum finished in Tula oblast on July 2<sup>nd</sup>. The team of Donetsk Regional Branch “Russian Mechanical Engineers Union” whose members were students and graduates of DonNTU took an active part in the event and ranked first and third in some contests. Thus the student

Bogdan Senyurko won in the practical module on control of the life cycle of ship development and construction with modern technologies application.

66 teams from 304 organizations competed at the Forum. It’s the second time when DPR’s team has taken part in the event. It has plans to participate in business meetings, master practical skills in the contests offered by the Forum organizers.

The meeting at DonNTU covered the issues of engineering education development. Mr. Trubchanin suggested training professionals in NC-machining technique, computer programs for it and other automated robotic facilities.

Special attention was paid to attraction of students and academics to develop rigging based on machines produced by Yasinovatski Machine-Building Plant and optimize production processes using DonNTU’s latest equipment for nondestructive check.

### **DonNTU’s Rector and DonNTU ARI’s Director Take Part in the Russian Rectors Union Congress**

MSU named after M. Lomonosov hosted the Russian Rectors Union Congress on July 4<sup>th</sup>. DonNTU’s Rector Prof. Anoprienko and DonNTU ADI’s Director Dr. Zaglada took part in it. The Congress delegates were 617 rectors and presidents of Russian universities – representatives of all regional and district Rectors Unions.



Photo: DonNTU's Site

The main results and prospects of university education development in the Russian Federation and the role of the Rectors Union in the process were discussed at the plenary meeting. The delegates approved new members of the Union and its management. MSU’s Rector Prof. Sadovnichiy was elected to the post of the President of the Russian Rectors Union.

There were five breakup groups at the

event:

The national education system is the base for the country’s scientific and technological independence

The cooperation of the Russian Rectors Union and the Russian Academy of Science to implement priority trends in scientific and technical development

The Russian Rectors Union and universities’ “Third Mission”

The activity of the Russian Rectors Union in the international scientific and educational space: universities associations, Rectors forums and international ratings

The formation of the modern independent world outlook and bringing up of a patriotic and socially responsible personality

The decisions on development and support of the university education were taken at the final plenary meeting.

**The Director of the Research Centre “Strategic Partnership of Business and State” and the Rector of the Institute of Digital Economics Pay their Official Visit to DonNTU**

The Director of the Research Centre “Strategic Partnership of Business and State” Dr. Shakhov and the Rector of the Institute of Digital Economics (Moscow) Dr. Makarov paid their official visit to DonNTU on July 26-28<sup>th</sup>.

There was a number of working meetings in which DonNTU’s Rector Prof. Anoprienko and the DPR People Council’s deputies took part.

The guests’ visit goal was to form an efficient communication system in the sphere of



Photo: DonNTU’s Site

science, technologies and innovations, to support Donbas young people’s business initiatives by Moscow financial structures and business associations, to establish partnership links among the state, business and scientific community of the DPR and Big Russia.

Dr. Makarov also delivered his lecture “Quantum Jump in the Mankind’s Social Development. What Happens to People under Digitalization and Digital Transformation”. The lecture of one of the most competent English speaking expert in crypto currency and digital finances, block chain technologies and meta-universes raised a great interest and active discussion.

The guests and the Deputy Corps of the DPR laid flowers to the memorial to the killed young citizens of Donetsk at the Angels’ Alley on the Memorial Day of Children-Victims of the Donbas War.

**DonNTU Signs New Cooperation Agreements**

DonNTU’s Rector Prof. Anoprienko and Rector of Dagestan State University Prof. Rabadanov have signed a cooperation agreement in education and science during their on-line meeting.

Prof. Rabadanov spoke about the university’s history structure and possibilities. He said the university was open for cooperation and was waiting for the guests from DonNTU to come.

“We are interested in the cooperation and ready to work in the sphere of science, research and education. To do this we need close contacts among our professionals. This will become possible and widen our possibilities to organize joint events due to the agreement” – he emphasized.

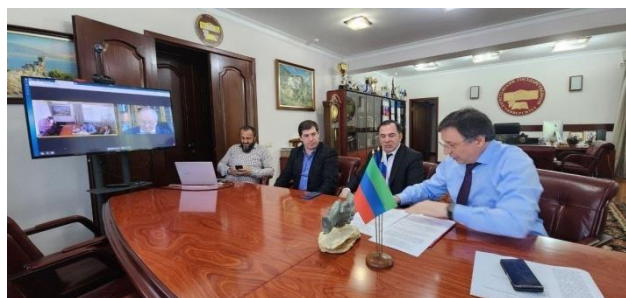


Photo: DSU’s Site

In its turn Prof. Anoprienko thanked Prof. Rabadanov for the chance to cooperate and expressed his hope to strengthen friendship, scientific and educational links.

“We have fixed another cooperation development stage and can start our active work. Our students are actively involved in youth events in the South of Russia. I hope for the process to go on and the agreement to be the basis for the links strengthening. Our staff and students will be happy to visit Dagestan and Dagestan State University”- said Prof. Anoprienko..

The Vice-Rectors of DSU M. Isaev and G. Sultanov were also present at the meeting.

Interaction in different educational and scientific programs, development and making joint research, joint advanced and retraining courses and internship for the staff, exchange of materials and information of interest, joint conferences, seminars, symposia and exhibitions are planned within the frameworks of the agreement.

Donetsk National Technical University (DonNTU) is the first university of Donbas. It has 5 institutes, including Gorlovka Automobile Roads Institute, 9 faculties, State Management Magistracy, 2 colleges, Research Board, the biggest in the Donbas Region Scientific and Technical Library.

*(Elena Goncharova, DST's Site)*

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DonNTU's delegation of 5 people – Rector Prof. Anoprienko, Vice-Rectors Dr. Ryazanov and Dr. Fyodorov, and Dr. Kuppenko from Geology Department visited Melitopol State University (MelSU) on June 20<sup>th</sup>. Rectors of the universities Prof. Anoprienko and Prof. Toivonen signed a cooperation agreement.



Photo: DonNTU's Site

MelSU is one of the biggest universities of new Russian territories. It is the legal successor of Tavria State Agrotechnological University and Melitopol State Pedagogic University. Today MelSU trains highly skilled specialists in 96 educational programs in natural-scientific,

humanitarian, engineering and medical and biological spheres.

DonNTU's and MelTU's representatives discussed the possible spheres of the cooperation. They considered network programs in engineering, cooperation of both universities in the operation of scientific and educational centres of the world level in the new regions of the Russian Federation to be very promising.

The partnership between DonNTU and MelSU is an important step in the development of the Donetsk People's Republic and Zaporozhskaya oblast.

*(Link to the article: <https://donntu.ru/news/id202406232214>)*

### **The Visit of the Delegation of the Komi Republic to DonNTU**

The delegation of the Komi Republic of the Deputy Minister of Education and Science R. Ibragimov, the Rector of Ukhta State Technical University Prof. Aginey, the Director of the university's branch Dr. Pichko visited DonNTU on June 21<sup>st</sup>. They were met by the Vice-Rectors Dr. Karakozov, Prof. Borshchevski, Prof. Biryukov, Deans and academics.

The delegation of the Komi Republic



Photo: DonNTU's Site

got acquainted with scientific and laboratory basis of the university and talked to its academics. The guests were impressed by the electron microscope with 2-3nm accuracy of approximation, and the laboratory of drilling-and-blasting operations and nondestructive check.

The strategy of long-term cooperation in all spheres of activity of partner-universities was formed.

### **DonNTU Hosts the XV International Scientific and Technical Conference “Informatics, Control Systems, Mathematical and Computer Simulation” (ICSMCS-24)**

DonNTU hosted the XV International Scientific and Technical Conference “Informatics, Control Systems, Mathematical and Computer Simulation” (ICSMCS-24) on May 29-30<sup>th</sup>. It was aimed at scientific information exchange, defining the prospects of the modern society’s spheres informatizing, joint scientific programs developing, establishing business and commercial contacts in the sphere of information technologies.

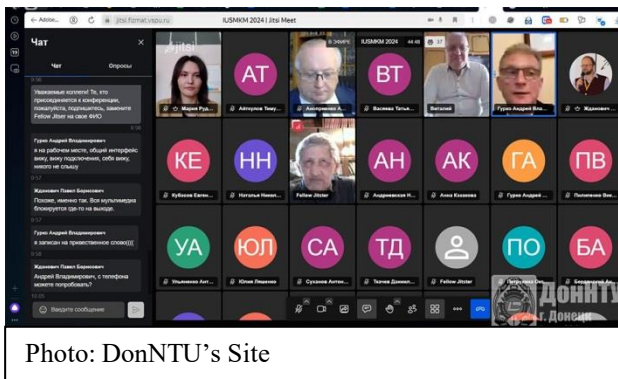


Photo: DonNTU’s Site

The plenary meeting was organized in the on-line format on May 29<sup>th</sup>. The participants were greeted by DonNTU’s Rector Prof. Anoprienko, the Honoured Doctor of DonNTU Prof. Kozhukhov from the National Research University “Moscow Institute of Electronics”, Dr Gurko from St. Petersburg Mining University of the Empress Catherine II. Representatives of Perm State National Research University, Volgograd State Social and Pedagogic University, and the Company

“Legion” (Moscow) made their presentations.

The breakup group meetings took place on May 29-30<sup>th</sup> on the off-line format. Academics, students, postgraduates and young researchers from the Republic of Belarus (Minsk), the Republic of Tadjikistan (Dushanbe), and the Russian Federation – Donetsk, Moscow, St. Petersburg, Volgograd, Rostov-on-Don, Taganrog, Samara, Tula, Almetievsk (the Republic of Tatarstan), Saratov, Ivanovo, Krasnodar and Tomsk made their presentations there. The most interesting of them were awarded with certificates.

The electron proceedings with the registration in the RSI were prepared. The most informative papers were recommended for publishing in the journal “Informatics and Cybernetics”.

The ICSMCS-24 Conference became the platform to establish links in information technologies, and the participants got acquainted with the latest technologies and tendencies in the chosen sphere.

### **The Meeting with the Representatives of St. Petersburg Branch of the Financial University under the RF Government at DonNTU**

There was an on-line working meeting with the representatives of St. Petersburg Branch of the Financial University under the RF Government at DonNTU on June 28<sup>th</sup>. The future cooperation was discussed there.

Research, joint grants, joint programs of retraining and creation of the content for them were defined as the first-priority.

Both universities’ representatives showed their interest and confidence in the cooperation plan implementation.



Photo: DonNTU’s Site

## **DonNTU's Academic Takes Part in the University Consortium of Big Data Researchers and the International University Prize in Big Data and Artificial Intelligence "Gravitation- 2024"**

Dr. Fedyaev took part in the International Scientific Congress of the University Consortium of Big Data Researchers and the International University Prize in Big Data and Artificial Intelligence "Gravitation- 2024"



Photo: Dr. Fedyaev's Report

Dr. Fedyaev represented DonNTU's IT team «Quintet-in-AI» at the contest of the International University Prize in Big Data and Artificial Intelligence "Gravitation -2024" on May 30<sup>th</sup>- June 2<sup>nd</sup>. The events took place in Moscow with the Russian Academy of National Economy and State Service under the President of the Russian Federation being their host.

The Prize "Gravitation- 2024" is one of the biggest annual events in Russia

which popularize the most significant projects of educational institutions in the sphere of artificial intelligence and big data. Its main goal is focused on strengthening efficient cooperation to implement joint projects and initiatives in the sphere of big data analysis and introduction of artificial intelligence into the university infrastructure.

Representatives of the executive power federal boards, researchers and experts in the sphere of artificial intelligence, IT teams of the key universities which introduce artificial intelligence into training and research met there.

Being the leader of DonNTU's IT team «Quintet-in-AI» Dr. Fedyaev presented a project for the International University Prize in Artificial Intelligence and Big Data "Gravitation -2024".

He made his presentation on the project in the nomination "AI-Human Being" on behalf of the team.

Our project was among 18 out of 170 projects in the nomination included into the working program of the Congress where Dr. Fedyaev made his presentation "Simulation of a Complex System of Training Specialists Based on its Intellectualization by the Artificial Intelligence methods".

## **DonNTU Representative Participates in the All-Russian Seminar-meeting of University Psychologists**

The All-Russian seminar-meeting of university psychologists was held at EANE on June 4-6. The organizers are the Ministry of Science and Higher Education of the Russian Federation and Tula State University. The event was attended by 250 psychologists and heads of psychological services of universities in 63 regions of Russia. DonNTU was represented by educational psychologist Olga Viktorovna Sokolova.

The seminar-meeting provided discussion platforms with invited experts, within which the audience got acquainted with the construction of a universal system of psychological support. The participants strengthened their professional skills of group work in various formats.



Photo: DonNTU's Site

## **The Books of the DonNTU's Employee are Presented at the XXX Beijing International Book Exhibition-2024 (Beijing, China)**

On June 19-23, the 30th Beijing International Book Fair Beijing International Book Fair-2024 was held at the Chinese National Convention Center China National Convention Center. The Dean of the Faculty of Geology, the Head of one of the Faculty's departments of Donetsk National Technical University Dr. Alexander Nikolaevich Korchevsky was invited to take part in the exhibition. The exhibition is organized by the China National Publications Import & Export Group and has been held on an ongoing basis since 1986. Currently, the exhibition is the second largest book forum in the world and the largest book exhibition in the Asian region. Over 1.600 exhibitors from more than 70 countries took part in the Beijing Book Fair in 2024, over 220 thousand books in all major categories were presented at the exhibition grounds: from educational and scientific literature to non-fiction and works of art. The Academy of Natural Sciences, as an official participant, presented its own exposition of scientific, educational, encyclopedic literature, educational materials and technologies:

The opening of the exhibition was attended by Chen Dongjie, the Director of the Beijing Publishing Group, and Liu Jianwei, the Chairman of the Chinese Literary Author's Community, and representatives of the Republic's community. Dr. A.N. Korchevsky presented his books on the following topics at the exhibition:

1. Theory and technique of physical experiment in mineral processing;
2. Design of processing plants. The workshop;
3. Enrichment of ferrous metal ores;
4. Ore enrichment. The workshop
5. Flotation methods of mineral processing.

More than 1000 seminars and cultural events dedicated to the main problems of book publishing were held within the framework of the exhibition.

Discussions on the problems and prospects of international development of modern book publishing, problems of translation and distribution of foreign literature in China were also held. Business meetings with leading publishing houses of the participating countries, press conferences with participation of well-known public figures and representatives of China were also organized.

### **DonNTU Teacher is a Finalist of the Competition "The Best Young Teacher in the SOUTH of Russia"**

The interregional innovation competition "The Best Young Teacher of the South of Russia 2024" was held in Rostov-on-Don on June 13-15th. Olga Valentinovna Rychka, the Associate Professor of the Department of Software Engineering named after L. P. Feldman, took part in its final. 32 young university teachers from the southern regions of our country, as well as from the North-West of Russia, Siberia and the Volga region, the DPR, the LPR and the Zaporozhye region competed for the title of the best at Rostov State University of Economics. At the opening ceremony it was noted that all participants of the face-to-face stage were already winners of the competition, as their applications had been selected from more than a hundred submitted to the organizing committee this year. After the ceremonial part the finalists were expected to be tested. They had to talk vividly, interestingly and clearly about their discipline and topic in a mini-lecture in just 15 minutes. There were four directions in the competition at different locations in the main building of the Russian State Economic University. The breakup group «Information Technologies



Photo: DonNTU's Site

and Artificial Intelligence" has launched its work in the cyber club. Here young teachers from Rostov-on-Don, St. Petersburg, Volgograd, Saratov and Donetsk talked about artificial intelligence and the possibilities of the IT sector, in particular how they can be integrated into the educational process. Educational lectures and excursions filled with useful and relevant information were also held within the framework of the competition. The warm atmosphere facilitated the establishment of new contacts and the exchange of innovative educational technologies.

### **DonNTU Representative Participates at the Conference "Information Development and Information Security"**

The Conference "Information Development and Information Security" was held in Rostov-on-Don on June 20. The organizers are the engineering center "Regional Systems" and the Ministry of Finance of the LPR. The event was attended by leading developers of the Russian Federation in the field of software and hardware for ensuring the security of critical information infrastructure. On behalf of DonNTU, the conference was attended by the Deputy Director for Science of the ICNT, Associate Professor of the Department of Computer Engineering R. V. Malcheva.

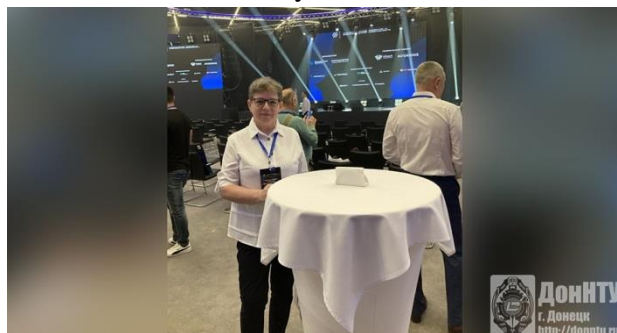


Photo: DonNTU's Site

### **DonNTU Academic is the Winner of the International Competition "Knowledge. Innovation. Priorities"**

According to the results of the International competition of scientific, methodological and creative works "Knowledge. Innovation. Priorities" (for the Year of the Family, the Decade of Science and Technology), which took place on June 20, the Head of the Department of Business and Personnel Management of Donetsk National Technical University, Associate Professor Dr. Inna Aleksandrovna Kondaurova was awarded a diploma of the first degree for the work "Econometrics" performed in collaboration with Associate Professor of the Department Mathematics and Mathematical Methods in Economics of Donetsk State University Irina Anatolyevna Gorchakova. 275 works from the Russian Federation, the Republic of Belarus, the Transdnestr Moldavian Republic and Thailand took part in the competition. The purpose of the event is to activate and integrate departmental and public resources for the sustainable development of the society, science and education. The organizers of the competition are ANO "Scientific and Educational Center "Tradition", Vyatka State Agrotechnological University, the Department of Continuing Education, Historical and Cultural Youth Scientific Society "Original Vyatka" with the support of Kirov State Medical University of the Ministry of Health of the Russian Federation, the Department of Humanities and Social Sciences.

### **Academics of the Department of Business and Personnel Management of DonNTU are the Winners of the IV International Competition "PROfessional 2024"**

According to the results of the IV International Competition of projects in the field of education "PROfessional 2024" (Saratov) held on June 28 academics of the Department of Business and Personnel Management of Donetsk National Technical University were awarded diplomas of I and II degrees in the field of Economic Sciences. Nomination "Scientific Research Project": – Dr. Inna Aleksandrovna Kondaurova, the Head of the Department of Business and Personnel Management, Associate Professor – diplomas of I and II degrees; – Olga Anatolyevna Shtager, Senior Lecturer at the Department of Business and Personnel Management – diploma of the II degree. The nomination "Practical Project": – Dr. Inna Aleksandrovna Kondaurova, the



Head of the Department of Business and Personnel Management, Associate Professor – diplomas of I and II degrees; – Dr. Tatyana Viktorovna Kovalenko, Associate Professor of the Department of Business and Personnel Management – diploma of the II degree; – Olga Anatolyevna Shtager, Senior lecturer at the Department of Business and Personnel Management – diploma of the II degree. The well-deserved victory in this competition testifies to the high professional skills of the academics of the Department of Business and Personnel Management of DonNTU in both scientific and practical activities.



Photo: DonNTU's Site

### **The Representative of DonNTU is a Participant of the Forum "#Engineers Solve" in Rostov-on-Don**

Don State Technical University (Rostov-on-Don) hosted the Forum "#Engineers Solve" on July 1-2. The purpose of the event was to discuss the tasks of ensuring the technological sovereignty of the Russian Federation. The Forum gathered more than 150 participants from 20 Russian cities, representing 50 universities and industrial partners. Among them was the chairman of the Council of Young Scientists of Donetsk National Technical University, Associate Professor of the Department of Computer Modeling and Design Maria Pavlovna Rudenko. The main topics were as follows:

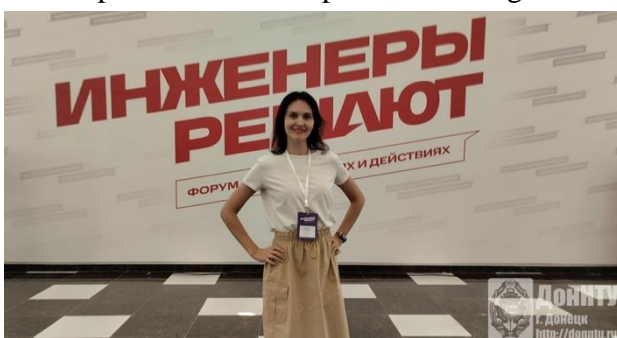


Photo: DonNTU's Site

1) Advanced engineering schools – the experience of universities and industrial partners in the transformation of engineering education; 2) artificial intelligence – new technologies and tools that have a significant impact on modern education; 3) Technological entrepreneurship – opportunities and challenges for higher education. The Forum was opened by the Rector of Don State Technical University Besarion Chokhovich Meskhi followed by panel discussions

"SCHOOLS and universities – effects or struggle?", "AI in education – who is who?", "Student Startup – is there a Right to Life?" and many others. The first day ended with the defense of graduation papers in the "Startup as a Diploma" format, where students presented their projects to the investment committee. The second day of the Forum was held in the format of design workshops, where the following topics were discussed: "Startup Versus Diploma", "Maps of Advanced Engineering Schools" and "Science for the Young: Innovations on the Don".

### **DonNTU Employee Participates in the XII All-Russian Congress of Councils of Young Scientists and Students' Scientific Societies**

On July 15- 20<sup>th</sup> the Head of the Department of Design Work of Students of DonNTU Elena Vladimirovna Alekseeva was invited to take part in the XII All-Russian Congress of Councils of Young Scientists and Students' Scientific Societies, which was held in Vladivostok. The All-Russian Congress of Councils of Young Scientists and Students' Scientific Societies is held annually on behalf of the President of Russia and is included in the events of the Decade of Science and Technology. Its main goal is to involve the community of young scientists in solving the most important tasks of the development of the society and our country. On July 15-17, 2024 the XII Congress of Councils of Young Scientists and Students' Scientific Societies was held in Vladivostok at the site of Far Eastern Federal University/ It was organized by the Coordinating Council for Youth Affairs in the Scientific and Educational Spheres of the Presidential Council for Science and Education with the support of the Government of Primorsky

Krai and the Ministry of Science and Higher Education of Russia. The event brought together almost 1. 000 young scientists from 75 regions of Russia, including the Donetsk People's Republic, Luhansk People's Republic, Zaporozhie and Kherson regions. The Congress was also attended by foreign participants from China, Algeria, Bangladesh, Nigeria, Belarus, Tajikistan, Uzbekistan, and Kyrgyzstan. In three days more than 50 sessions were held within the framework of the business program. The Participants discussed new strategic documents adopted this year, highlighted support measures and designed the program of the Congress of Young Scientists (Sirius, November 20-22, 2024). E.V. Alekseeva attended a number of events: 1) panel discussion "Ecosystem of Innovations: Youth Laboratories and their Role in Science";  
 2) the plenary session "Vostok. Sunrise. Science; Priorities and Prospects of Scientific and Technological Development"; 3) panel discussion "The Role of the Humanities in Overcoming the Great Challenges Facing Russia"; 4) strategic session "Unified Scientific and Technological Space: the Role of Professional Communities of Young Scientists and Specialists"; 5) the project game "Initiatives of the Decade of Science and Technology: "Scientific Playgrounds" and "Popular Science Tourism". As a result of the Congress a lot of new information was received for the work of our young scientists and students' scientific societies, grant work, current agenda and research directions for young scientists, new acquaintances and colleagues from universities and scientific institutes of Russia appeared.

### **Associate Professor of DonNTU Participates in the International Scientific Conference "Topical Issues of Mathematics and Physics"**

The first International Scientific Conference "Topical Issues of Mathematics and Physics" was held at Volgograd State Socio-Pedagogical University on June 4-6. The purpose of the event was to identify modern areas of scientific research in universal algebra and physics of low-dimensional systems; to discuss achievements and fundamental problems in these fields. The Conference was attended by scientists from the Republic of Zambia (University of Information and Communication, Lusaka), the Republic of Belarus (Belarusian State University of Food and Chemical Technologies, Mogilev), as well as from various cities of the Russian Federation. The plenary session was attended by Honorary Doctor of DonNTU, Doctor of Physical and Mathematical Sciences, Professor of the Department of Higher Mathematics No. 1 of the National Research University "MIET" Igor Borisovich Kozhukhov. Maria Pavlovna Rudenko, Associate Professor of the Department of Computer Modeling and Design, took part in the work of the breakup group «Mathematical and Computer Simulation" with a report "Algorithmic Simulation in industrial Design".



### **The All-Russian Scientific and Practical Conference of Young Scientists and Students "Metallurgy of the XXI Century through the Eyes of the Young" is Held at DonNTU on May 28-29**

Donetsk National Technical University hosted the All-Russian Scientific and Practical Conference of Young Scientists and Students "Metallurgy of the XXI Century through the Eyes of the Young", dedicated to the 100th anniversary of the Faculty of Metallurgy and Thermal Power Engineering. 71 reports from 11 educational institutions had been received for participation in the event: DonNTU – 54; Donbass State Technical University (Alchevsk) – 4; Moscow Polytechnic University – 1; Volgograd State Technical University – 1; National Research Technological University "MISiS" (Moscow) – 3; North Caucasus Mining and

Metallurgical Institute (State Technological University, Vladikavkaz) – 1; Nizhny Novgorod State Technical University named after R. E. Alekseev – 1; St. Petersburg Mining University of Empress Catherine II – 1; Siberian Federal University (Krasnoyarsk) – 2; South Ural State University (NRU, Chelyabinsk) – 1; Lipetsk State Technical University – 2.

The conference proceedings are available on the DonNTU website in the electronic archive (external link), as well as on the Conference website(external link) The materials present the results of scientific research and technical developments in the field of modern metallurgical and foundry technologies, metalworking, materials science, metal science and heat treatment of metals. The issues of energy-saving technologies, technical thermophysics, and ecology and labor protection in metallurgy are considered. The articles are of interest to students, postgraduates, scientific and engineering workers of the metallurgical profile.

### **DonNTU Hosts a Meeting of the Breakup Group «Current Problems of Innovative Development of the Donbas Economy" within the Framework of the X International Scientific Forum of the DPR "Innovative Perspectives of the Donbas: Infrastructural and Socio-Economic Development"**

On May 29 Donetsk National Technical University hosted a meeting of breakup group # 5



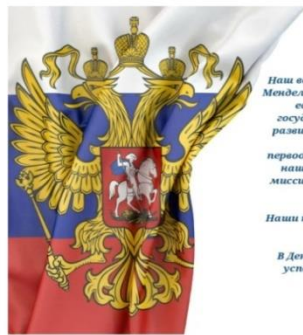
Photo: DonNTU's Site

"Current Problems of Innovative Development of the Economy of Donbas". The event was opened by the chairman of the breakup group, the Dean of the Faculty of Engineering and Economics of DonNTU Andrey Anatolyevich Kravchenko. Its moderator was Professor of the Department of Economic Theory and Public Administration Yana Vladimirovna Khomenko, Secretary – the Associate Professor of the Department of Business and Personnel Management Maria Sergeevna Zorina. The participants were welcomed by

distinguished guests – the leading researcher at the Federal Research Institute of the Russian Academy of Sciences, Director of the ANO "SIC Strategic Partnership of State and Business", Doctor of Economics Oleg Fedorovich Shakhov and deputy of the People's Council of the DPR, the Head of the Communist Party faction Boris Alekseevich Litvinov. The results of their research were presented in face-to-face reports by: Roman Nikolaevich Lepa, the Head of the Department of Modeling Economic Systems at the Institute of Economic Research, Doctor of Economics, Professor, Igor Vladimirovich Kostenok, the Deputy of the People's Council of the DPR, a member of the Committee of the People's Council for Education, Science, Culture and Public Organizations, Doctor of Public Administration, Professor, Andrey Anatolyevich Kravchenko, the Dean of the IEF DonNTU, Candidate of Technical Sciences, Associate Professor, Oleg Fedorovich Shakhov, the Leading Researcher at the Federal Research Institute of the Russian Academy of Sciences, the Director of the ANO "SIC Strategic Partnership of State and Business", Doctor of Economics, Sergey Vladimirovich Prisyazhny, the Acting Director of the State Unitary Enterprise DPR "Industrial Union", Tatyana Nikolaevna Zagoruiko, the Head of the Department of Macroeconomic Analysis and Socio-economic Development of the Ministry of Economic Development of the DPR. Following the meeting, the proceedings will be prepared and posted in the RSCI.

### **Congratulations on the Day of Russia Received by DonNTU from Partner-universities**

The Day of Russia is one of the greatest and most significant holidays for our Motherland. Our partner universities have sent their warm congratulations at the address of DonNTU Rector, its staff and students.



Уважаемые коллеги!  
Поздравляю вас с Днём России!

Наш великий соотечественник Дмитрий Иванович Менделеев считал, что Россия – особая страна, у неё есть все шансы стать самым развитым государством мира. Перед войной наша страна развивалась быстрее, чем Европа. В послевоенное время российские учёные стали первооткрывателями во многих областях. А ещё у нашего народа, как писал Достоевский, особая миссия – быть примером духовных ценностей для всего человечества.

Наша традиция обладает великой силой, которую чувствует каждый россиянин.

В День России желаю вам мира и благополучия, успехов в деятельности на благо Отечества!

Ректор РосНОУ  
Владимир Алексеевич Зернов



С ДНЁМ  
РОССИИ!  
12 июня



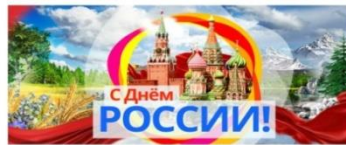
Уважаемые коллеги!

От имени коллектива Университета науки и технологий МИСИС и себя лично поздравляю Вас с Днём России!

Этот праздник – символ неразрывной связи граждан нашей великой страны с ее историей, культурой, традициями. На протяжении тысячелетней истории наша интеллигентная нация всегда демонстрировала единство, сплоченность, приверженность духовным ценностям и высоким идеалам.

Желаю Вам крепкого здоровья, благополучия, неиссякаемой энергии для новых свершений на благо России!

С уважением,  
ректор ИТТУ МИСИС  
А.А. Чернышев



Уважаемые коллеги!

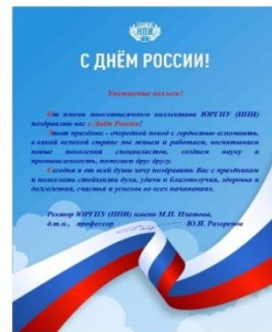
От имени коллектива Челябинского государственного университета и от себя лично поздравляю Вас с нашим государственным праздником – Днём России!

Великая Россия – это уникальное сочетание с богатой исторической памятью, где и мир и созвездия пронизаны представлениями о своих разных исторических культурах.

Пусть и далее каждый из нас искренне сохранит любовь и привязанность к своей Родине. Государственное празднество и столь дружно встречаем нам христианское единство и взаимопомощь друг другу, доброту и уважение друг к другу, искренность, открытость, справедливость, доброту и милосердие.

Желаю Вам и Вашей семье крепкого здоровья, счастья, благополучия, процветания и успехов во всех начинаниях!

Ректор ФГБОУ ВО «Челябинский государственный университет имени С.М. Ковалева»  
А.А. АЛЕКСАНДРОВ  
12 июня 2024 г.



С ДНЁМ  
РОССИИ!

Уважаемые коллеги!

От имени коллектива коллектива ИТТУ ИИИИ поздравляю вас с Днём России!

Ваше признание, с открытым сердцем с гордым восхищением, и нашей историей страны для жизни и развития, истинно великой, великой справедливости, счастья миру и процветания, успехов при труде.

Спокойно и не бойтесь жить поздравляю Вас с праздником и желаю успехов Вам, добра и благополучия, здоровья и счастья, счастья и успехов во всех начинаниях.

Ректор ИТТУ (ИИИ) Иван М.И. Пилипенко,  
д.т.н., профессор В.И. Рязанцев

Photo: E. Surovtseva

### DonNTU's Team is a Finalist of the Open Cyber Studies of Universities of the Northwestern Federal District in the Field of Information Security "Cyber Northwest 2024"

On May 30- 31st St. Petersburg State University of Telecommunications named after Prof. M. A. Bonch-Bruевич hosted the final of Open Cyber Studies of Universities of the Northwestern Federal District "Cyber Northwest 2024".

The final round was preceded by an absentee qualifying, which took place on April 25. It was necessary to scan the network traffic dump for computer attacks. According to the results of the qualifying round, 11 out of 19 participating teams made it to the final, including the team of Donetsk National Technical University. In the final, the participants faced a difficult task – analysis using the methods of forensic of the provided virtual machine images. According to the legend, the company's information infrastructure has become the subject of hacker aspirations of intruders. The company was attacked by a cryptographic virus. The computer incident consisted of a chain of successive successful computer attacks. The teams needed to identify the types of computer attacks, try to restore access to the company's servers on which the attacks were carried out, from where the data was stolen/encrypted, examining the chain of network topology. The awarding of the winners and the presentation of certificates took

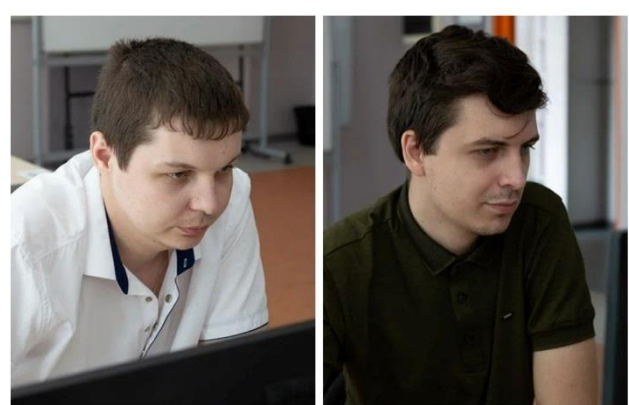


Photo: DonNTU's Site

The awarding of the winners and the presentation of certificates took

place on May 31. Representatives of DonNTU also received a preliminary invitation to become participants of the All-Russian Scientific Summer School on Information Security.

### **DonNTU's Teams are Prize-Winners of the International Festival "Code of the World"**

The International Sports Programming Festival "Code of the World" was held in Sevastopol on May 29 -June 2nd. The event is timed to coincide with the 80th anniversary of the liberation of Sevastopol from the Nazi invaders. The participants solved a special case in the HR field from the leading IT Company T1 for three days. The Donetsk People's Republic was represented by two teams of Donetsk National Technical University which included members of



Photo: DonNTU's Site

the sports programming section of the university's student sports club. Their trip to the competition was supported by the Ministry of Youth, Sports and Tourism of the DPR and the DPR Sports Programming Federation. Both teams showed good results and entered the top five. The bronze medalist of the competition was the mzhn-team – students of the L. P. Feldman Department of Software Engineering of the Faculty of Intelligent Systems and Programming Nikita Ryazanov, Denis Perviy, Dmitry Evteev, the Associate Professor of the Department of Software Engineering named after L. P. Feldman Olga Valentinovna Rychka being their coach. The guys were awarded with a cup, medals and a prize certificate. The E-notGPT team consisting of DaniilKiselyov, Mikhail Vavilin, Konstantin Rudnev, Ivan Sygin and Leonid Sygin took the fifth place, received a diploma and a prize certificate. Their coach was the Associate Professor of the Department of Automated Control Systems Elena Osipovna Savkova. Congratulations and wish of further success to the teams!

### **Congratulations to the Group "RUSSIAN" – the Winner of the XXXII All-Russian Festival "Russian Students' Spring"!**

The results of the final of the XXXII All-Russian Festival "Russian Student Spring" were

summed up in Saratov on June 3d. . 3.600 students from 80 regions of the Russian Federation competed in 10 directions: "Regional Program", "Vocal", "Instrumental", "Dance", "Theatrical", "Original Genre", "Fashion", "Media", "Video", "Art". The Festival was also attended by the group "RATION" which included students Andrey Cherny and Dmitry Dmytruk (Automobile and Road Institute of Donetsk National Technical University), Ivan Zuikov (Donetsk National Technical University), IlyaYudin (Donetsk State University). The group "RATION" became the winner of the first degree in the vocal direction with the author's song "Mute Face", and also received a special prize from the VKontakte social network – recording its own track with VK Records. Congratulations and wish further creative success to the guys!



Photo: DonNTU's Site

### **DonNTU's Student is the Winner of the Track "Pioneer" of the Project "Your Turn"**



Photo: DonNTU's Site

The results of the first module of the competition track "Pioneer" of the fourth season of the All-Russian Students' project "Your Turn" were announced on June 7. This is a large-scale students' community, where everyone is ready to direct efforts and energy to create in-demand projects, develop educational organizations and realize their intellectual potential in our country. "Your Turn" creates the favorable environment for the generation, development of projects and

initiatives of active youth who live and create in Russia. The competition was implemented with the support of the Ministry of Science and Higher Education of the Russian Federation and the Federal Agency for Youth Affairs (Rosmolodezh). It is also included in the line of projects of Russia – Land of Opportunities platform. Daniil Matlakhov, the 1st year student of the Faculty of Computer Information Technology and Automation of Donetsk National Technical University, became one of the participants in the new direction of the fourth season of the All-Russian student project "Your Turn" - the "Pioneer" track for freshmen. It took place from January to June and included 10 special stages. Each of them was very exciting: for example, to create an image of a Russian student, record a video card "My Student's Years", make a checklist "First Steps in Students' Life", prepare a presentation "The Cultural Code of My University". Daniil Matlakhov successfully overcame all the challenges and became one of the 200 best first-year students in Russia. It should be noted that only three representatives of the Donetsk People's Republic became winners in this competitive track.

### **DonNTU's Students are Participants of the Third Annual "Debutants Ball"**



Photo: DonNTU's Site

On June 12 the Russian Ethnographic Museum (St. Petersburg) hosted the third "Debutants Ball" which brought together dance couples from the best universities in Russia. Donetsk National Technical University was represented by first-year students who this year, as part of an interuniversity project, completed full-time studies at St. Petersburg Mining University of Empress Catherine II and St. Petersburg University of Industrial Technology and Design. The ball was the culmination of a long and painstaking preparatory work: for three months students from 20 universities in Donetsk, Moscow and St. Petersburg attended dance lessons, where they mastered the basics of both classical and modern dance. On Sundays, the School of Modern Etiquette, with the support of the Presidential Foundation for Cultural Initiatives and the International Association of Balls (IAB), held lectures focused on secular etiquette, music and dance culture within the walls of the MFC Gorny. 330 of the best finalist couples out of 915 who participated in the selection were able to make their debut at the largest modern ball, which was traditionally held on Russia Day. Its criteria included academic performance in the academic

year and attendance at all lectures and lessons of the project. DonNTU was presented by Igor Kolotko, Anastasia Raevskaya, Evgeny Rybchenko, Andrey Marochko, Anastasia Chistyakova, Alena Ocheretko, and the couples of Maxim Topalov and Sofia Babich, ArtemSviridov and Inna Bobkova, Stanislav Velichko and Alena Gonchar, Kirill Tsukanov and Elizaveta Lyubitskaya, Egor Puzanov and Inessa Kasho were honored to dance the waltz-opening of the ball. Donetsk Polytechnics would like to express their gratitude to the Heads of the International Association of Balls Mikhail and Yulia Gribov, as well as to the entire team of the Debutants Ball for the excellent organization of this grand event and the project partners – the St. Petersburg TV channel, the Grand Hotel Europe, the Russian Ethnographic Museum, the Plyaskin Group dance recreation school and the School of Modern etiquette for the unique opportunity to be present at the real ball.

### **Representatives of DonNTU are the Participants of the Annual Forum "Engineers of the Future"**

The team of the Donetsk Regional Branch of the Union of Machine Builders of Russia became a participant in the annual Forum "Engineers of the Future" which started on June 24 in Tula. The Donetsk People's Republic was represented by 4th year students of DonNTU and employees of the Design Bureau of the Yasinovatsky Machine-Building Plant (part of the Union of Machine Builders of Russia). There were four people in the DPR's delegation. The Engineers of the Future Forum has been held by the Union of Machine Builders of Russia since 2011. During its work more than 17 thousand young specialists from Russia, the CIS countries and far abroad have become participants.



Photo: DonNTU's Site

### **DonNTU's Students Completed an Internship at ROSSETI – MES Center at the 750kV Bely Rast substation in the Moscow region**

Denis Morozov and Vladimir Boite are students of Faculty of Intelligent Electric Power Engineering and Robotics of Donetsk National Technical University. On June 27 - July 20<sup>th</sup> they completed an internship at the branch of PJSC ROSSETI – MES Center at the 750kV Bely Rast substation in the Moscow region. Until 2011, the Personnel Training Center (CCI) St. Petersburg Bely Rast was the only training center for additional professional education in PJSC ROSSETI. Currently, the main areas of training at the Personnel Training Center of the ROSSETI branch of St. Petersburg Bely Rast are:



Photo: DonNTU's Site

1. Operational maintenance of substations;
2. Repair and maintenance of overhead lines;
- 3 Repair and diagnostics of substation equipment;
4. Maintenance of RZiA devices.
5. The practice consisted of two parts – "School of a young engineer (SHMI)" and "Student Construction teams (SSO)".

During the SHMI, the trainees completed training courses in the following areas: 1) Labor Protection. Training "Behavioral Security Audit"; 2) Fire Safety Rules at Power Facilities. Fire Fighting Training; 3) The Method of First Aid and Resuscitation of an Electric Shock Victim. Practical part: Practicing

Resuscitation Techniques on the Gosha Dummy Simulator; 4) Elimination of Violations. Working with Staff; 5) Conducting Activities that Increase the Level of Group Cohesion for Students; 6) Power Transmission Lines: Design Features, Maintenance, Repair Technology. Polygon; 7) The Main Equipment of the PS; 8) The RZA Maintenance System. Devices and Systems for Checking REA; 9) Interaction with Customers and the Electricity Market.

The excursions were also included into the visit to the 220 kV Skolkovo underground substation and the 500 kV Pakhra substation. Student construction teams included two groups – "Grozotros" (students of the Moscow Power Engineering Institute) and "First Watt" (students of the Ivanovo State Power Engineering University named after V. I. Lenin, Donetsk National Technical University and Lugansk State University named after V. I. Dahl).

On July 1, the students' teams opened the 65th labor season and the 15th season of work in the students' teams of PJSC ROSSETI. All students completed production tasks for cleaning and caring for the territory of the CCP and the substation. Their total number was 30 people. Over the weekend DonNTU students got acquainted with Moscow, visited Red Square, the Cosmonautics Museum at EANE and the historic Kitay-Gorod district. The production practice at the branch of PJSC ROSSETI – MES Center at the 750kV Bely Rast substation made good impressions on the Donetsk polytechnics. They gained unique knowledge, got acquainted with the work of substation maintenance personnel and modern equipment. During the excursions they learned about the specifics of the substation and electrical equipment operation process, and received professional advice from employees of the Central Control Center and the substation.

### **DonNTU's Student Takes Part in the Project "Donbas – Petersburg: Personnel Reserve"**

On July 14, the educational patriotic interregional project "Donbass - Petersburg: Personnel Reserve" for students of educational institutions of St. Petersburg and the Donetsk People's Republic ended in St. Petersburg. 28 people from the universities of the DPR took part in the event, including Daniil Matlakhov, a 1st-year student of the Faculty of Computer Information Technology and Automation of Donetsk National Technical University. As a part of the team, he became the winner of the



Photo: DonNTU's Site

student information platforms competition. Within the framework of the event, leading professors and lecturers of universities in St. Petersburg and Moscow held seminars and master classes in the field of international relations, the development of modern Russia and modern Russian society, and information security. The result of the project was a new information platform for uniting students of St. Petersburg and the Donetsk People's Republic. All participants gained valuable experience and skills necessary for their future professional activities

### **DonNTU's Students Take Part in the Training of Entrepreneurial Competencies within the Framework of Cooperation with SFU**

On July 17 training of entrepreneurial competencies of the federal project "Platform of University Technological Entrepreneurship" took place at the practice and sports and recreation tourism "Vityaz" of Southern Federal University (Divnomorskoye village, Krasnodar Territory). As part of the developing interuniversity cooperation between Donetsk National Technical University and SFU, DonNTU's team took part in the event. It consisted of 26 students and teachers of the Departments of Management and Business Law of the Faculty of Engineering and Economics, as well as Quality Management of the Faculty of Integrated and Mechatronic Industries Maria Konstantinovna Marenich and Irina Sergeevna Kladchenko. The main speaker





Photo: DonNTU's Site

of the event was the President of the Southern Federal University, Doctor of Economics, Professor Marina Alexandrovna Borovskaya. In just a few hours of the master class the participants learned what competencies are needed in the field of technological entrepreneurship, how to analyze and examine startup projects, what digital twins are, and how interdisciplinary connections and collaborations are associated with technological entrepreneurship. With the help of experienced trainers the students immersed themselves in his practical field. Following the results of the work, each group of participants presented the concept of their project. As part of the training, DonNTU students received basic skills in the field of technological entrepreneurship from scratch, and also got acquainted with the mechanism of creating a startup. The training allowed them to feel like an entrepreneur and evaluate their own skills in the business field, clearly demonstrated modern strategic directions in the development of a startup. The

experience of participating in such events, the drive and professionalism of the coaching staff, the team of organizers, the atmosphere of the resort and the beauty of the Black Sea will remain in the memory of Donetsk polytechnics as one of the brightest and most eventful events of this summer.

### **DonNTU's Students are Participants of the Grozny Petroleum University Named after Academician M. D. Millionshchikov's Project.**



Photo: DonNTU's Site

On July 19-29<sup>th</sup>, 11 students of Donetsk National Technical University took part in the forum of the Interregional Student Camp "Youth Shift" in Grozny. Donetsk polytechnics had a unique opportunity to get acquainted with the culture, history and traditions of the peoples of the North Caucasus and join them thanks to the successfully developing cooperation of DonNTU with the Grozny Oil University named after Academician M. D. Milionshchikov with the grant support of the Federal Agency for Youth Affairs Rosmolodezh. The camp gathered about 100 student representatives from six universities of the DPR and LPR. For 10 days the participants had a rich program, including sightseeing, tourist and educational activities, recreation and wellness. They got acquainted with the culture and sights of the Chechen Republic, attended a series of lectures from the Russian Society "Znanie", took part in numerous master classes, a digital tournament, and kubersport competitions. All participants received an inexhaustible charge of positive energy, unforgettable memories of the event, and made many new acquaintances. Each of them was noted for their efforts and contribution to the overall work. The awards were presented at the final event of the project to the applause of all those present. The Youth Shift 2024 student Camp will be the beginning of a new inspiring path for the project participants.

### **DonNTU's Students are Participants of the Tavrida Festival.ART"**

On July 26-28th the Festival of Young Multinational art "Tavrida" was held in Sudak (Crimea).ART" @tavrida\_art. Students of our university became participants in this bright event and together with representatives of 89 regions of Russia continued to write the cultural code of the country. The Festival program included dozens of master classes, educational events and creative laboratories. Donetsk Polytechnics attended many performances on four stages, watched modern theatrical productions, tasted the original cuisine of many peoples of Russia. This bright event brought together young people from all over the country. Our students gained new acquaintances, creative perspectives and took part in a large-scale art procession, proudly carrying the DonNTU's flag among hundreds of other universities in the Russian Federation.

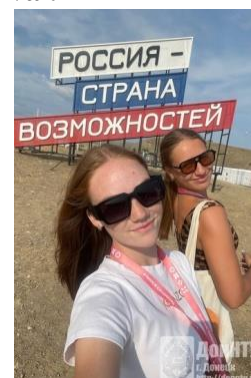


Photo: DonNTU's Site

The Newsletter was prepared by the Department of International Activities and Interuniversity Cooperation of DonNTU (including the materials of the Donetsk Polytechnic newspaper). For questions on the materials published in the newsletter, please contact: 1<sup>st</sup> building of Donetsk national Technical University, room 220; tel.: 08 – 25;

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