



### **DonNTU Holds the XXXI International Scientific and Technical Conference “Mechanical Engineering and Technosphere of the XXI Century” in Sevastopol**

Sevastopol hosted the XXXI International Scientific and Technical Conference “Mechanical Engineering and Technosphere of the XXI Century” on September 16-22<sup>nd</sup>. Donetsk National Technical University – the most authoritative technical university of the Donbas Region and one of the biggest scientific centres of the Republic – was its organizer. Representatives of key universities of not only Big Russia, the Lugansk and Donetsk People’s Republics, but also Kazakhstan, Georgia, Uzbekistan,



Photo: DonNTU’s Site

Armenia, and Belarus took part in the event. It should be noted that young researchers and postgraduate students actively participated in the Conference. It was also the first time when students have made their presentations containing interesting ideas.

The work of the staff of the Faculty of Integrated and Mechatronic Systems of DonNTU was of great interest. There were different breakup groups where researchers and academics shared their developments and ideas of their implementation in industry.

DonNTU’s Rector Prof. Anoprienko delivered his lecture “The Concept of Consistent Development of the Technosphere being the Basis of Engineering World Outlook”. He emphasized that the Conference was not just a traditional event, but also a step forward on the way of integration into the scientific and educational space of the Russian Federation.

The key mechanical engineers discussed the main plans and prospects of the work of Donetsk Regional branch of the “Union of Mechanical Engineers of Russia” for the current year. The recommendations to follow were worked out. The interested companies will be informed on them. The participants also discussed the issues of cooperation with key industrial companies to introduce new scientific developments into industry. The partnership is being planned by one of the oldest company in the Republic – the plant “Respirator” which is a designer and producer of oxygen-respiratory facilities.

The proceedings of the Conference “Progressive Technologies and Mechanical Engineering Systems” were published. The most active participants were awarded with honorary diplomas for their contribution into science development.

### **The Representatives of the Ministry of Industry and Trade Pay their Working Visit to DonNTU**

DonNTU’s Rector Prof. Anoprienko, the Vice-Rectors Prof. Biryukov and Prof. Borshchevski, the Dean of the Faculty of Earth Interior Usage and Earth Sciences Dr. Filatova have had a meeting with the representatives of the Ministry of Industry and Trade of Russia – the Director of the Department of Mechanical Engineering for the Fuel and Energy Complex Mr. Kuznetsov and his Deputy Mr. Bobrov.

Representatives of the Ministry of Education and Science of the DPR, the Vice-Rector of Donetsk State University, and the Rectors of Lugansk University named after Dal, Donbass State Technical University, and Priazovski State Technical University also took part in the meeting.

The issues of training personnel for the branch industrial companies of the region were discussed.

The guests listened to the information on the university's development prospects, the number of students, and the lack of engineers at industrial companies of the fuel and energy complex of the region. The ways to solve topical problems of the branch were discussed in the end of the meeting.



Photo: DonNTU's Site

### **The Visit of the Director of IWEFA of RAS to DonNTU**

There was a meeting of DonNTU's Rector Prof. Anoprienko, the Vice-Rector Dr. Ryazanov, the Dean of the Economic and Engineering Faculty Dr. Kravchenko, heads of departments, staff and postgraduate students of the Faculty with the Director of the Institute of World Economy and Foreign Affairs named after E Primakov of Russian Academy of Science Prof. Voitlovski at DonNTU on September 26<sup>th</sup>.

Prof. Voitlovski spoke about the history of the Institute founded in 1956, of his own work and large fundamental research. He also emphasized that the Institute's staff develop recommendations as to international links, analyze the current tendencies and forecast possible risks. It was Professor's first visit to Donetsk, and his present mission was to establish working and creative contacts with the Republican universities and help them in their development. He had got such instructions from the Vice-President of RAS Prof. Makarov.

Prof. Anoprienko noted that at present there was a lack of engineers-economists in the industrial complex.

Prof. Voitlovski remarked it was a common problem and a system mistake: increase of budget places for classical economists at universities with cutting down on the places for economists working in branches. The heads of Russian Academy of Sciences and the Ministry of Education and Science should make a joint effort to solve the problem.

The Dean of the Engineering and Economic Faculty Dr. Kravcheenko said he had a good potential – merely all of the staff have two university degrees: economic and engineering. They deliver lectures at all engineering faculties of the university. He also asked to pay attention to the fact that the specialized training of economists of this type can be found only in some technical universities of Big Russia.



Photo: DonNTU's Site

The issues of possible internship of the academics and postgraduate students of the Engineering and Economic Faculty of DonNTU at the IWEFA, programs of supplementary education and others were also discussed.

### **Thank You Note from the International Public Fund of Culture and Education**

DonNTU's Rector has got a thank you note from the International Public Fund of Culture and Education:

*"Dear Alexander Yakovlivich,*

*The International Public Fund of Culture and Education appreciates your support of the project of the President's Fund of Cultural Initiatives "Power is in the Unity" and ask you to mention Dr. Ryazanov- the Vice-Rector of DonNTU, Ms. Pirogova- a staff member of the Media*



Photo: DonNTU's Site

*Centre of DonNTU, Dr. Shulga- the Acting Head of the Department of History and Law of DonNTU, and Dr Yurieva from DonNTU for their active participation in the project implementation.*

*We are ready for further cooperation in spheres contributory to the flourishing of Russian science and education.*

*Mr. G.N. Popov*

*The President of the Fund"*

### **DonNTU Representatives Have their Internship at St. Petersburg Mining University of the Empress Catherine II**

Staff and administration of universities are having their internship at St. Petersburg Mining University of Empress Catherine II on September 2<sup>nd</sup>- December 31<sup>st</sup>.

Donetsk National Technical University is represented by Dr. A. Fydorov, the Vice-Rector, and Dr. O. Fydorov from the Department of Energy and Mechanical Systems.

The Deputy Chairperson of the University Consortium "Nedra" Dr. Novikov told the participants about the reform of the university education taking place at the Mining University.



Photo: DonNTU's Site

### **DonnTU's Representatives Take Part in the XXV International Scientific and Practical Conference in Mining and Blast "Topical Issues of Mining and Blast"**

The Hotel "Asimut" (Kaspiysk, the Republic of Dagestan) hosted the XXV International Scientific and Practical Conference "Topical Issues of Mining and Blast" on September 9-13<sup>th</sup>.

Its organizers were "The National Organization of Engineers- Blasters to Support the Professional Development", the Company "Expert Centre" and the Scientific Council of RAS on Blast Application in the Economy.

Prof. Kalyakin, Dr. Kupenko, the engineer Gritsaenko, and the Assistant Professor Barsuk represented the Donetsk polytechnics there. They made presentations on electromagnetic radiation under the explosion of complicated hybrid mixtures and coal dust. They also spoke about the weak points of the modern methods to identify protecting properties of explosives and presented the devices developed at DonNTU to research the main regularities of electromagnetic radiation from the parameters of the blasting charge explosion in the air and highly explosive environment and showed the results of research on the



Photo: DonNTU's Site

showed the results of research on the

influence of composition and parameters of detonation of three component explosive on the electromagnetic radiation of its product explosion. The research had been financially supported by the Ministry of Science and University Education of the Russian Federation in the frameworks of the state order.

Both participants and organizers showed their interest in the presentation.

### **The First Vice-Rector of DonNTU Gets the Title “Honorary Science and Engineering Worker” of Russian Academy of Natural Science**

Russian Academy of Natural Science (the International Association of Researchers, Academics and Professionals) has awarded the First Vice-Rector of Donetsk National Technical University Dr. Karakozov with the merit decoration and the title “Honorary Science and Engineering Worker” for his honest, fruitful, and long-term work in the field of education and science, and applied developments in geology.

### **Scientific and Educational Centre “Kuzbass” Congratulates DonNTU with the Centenary of Graduation of the First Mining Engineers in the Donbas**

“You have created a powerful scientific base, brought up a number of talented professionals and made a considerable contribution into the development of mining, mechanical engineering and metallurgy.

DonNTU is a deserved participant of the Scientific and Educational Centre “Kuzbas-Donbas”. Let scientific knowledge and experience develop and renew further on!”

*Director  
of the Scientific and Educational Centre “Kuzbas  
Dr. Irina Alexandrovna Ganieva*

### **DonNTU’s Teacher is the Winner of the All-Russian Contest “University Golden Names” 2024**

The names of the winners of the contest “University Gold Names” 2024 were announced on the Knowledge Day. Its organizer was the Inter-regional Public Organization “The League of University Teachers” under the support of the Ministry of Science and University Education of the Russian Federation. The Deputy Minister of Science and University Education of the Russian Federation Ms Petrova was its supervisor. The contest has been held annually since 2017. It is aimed at finding and recognizing the teachers having high achievements in their professional activity, popularizing education and bringing up innovation technologies, raising the prestige of scientific and pedagogic work and the social status of a university teacher.

There were 1224 participants from 248 universities of 75 regions of Russia in 2024. More than 300 professionals picked up the winners. Dr. Polyakova from DonNTU won in the nomination



Photo: DonNTU’s Site

“For Loyalty to the Profession and Keeping to the Russian University Traditions”.

The ceremony of awarding the winners will take place at the Ministry of Science and University Education on the University Teacher’s Day, on November 19<sup>th</sup>.

### **Congratulations on the Knowledge Day from Partner-Universities**

The Knowledge Day is a special holiday for those who have something to do with educational and scientific process. Education is a reliable base which defines the creative and intellectual potential of young people and their abilities to act in favour of their country.

DonNTU’s Rector, its staff and students got warm greetings from our partner universities from the Russian Federation on the day.



Photo: E. Surovtseva

### DonNTU’s Representatives Take Part in the III Students’ Forum “Deposit”

DonNTU’, being the partner University of Russian State University of Oil and Gas named after I.M. Gubkin, has taken part in the III Students’ Forum “Deposit”. The event was held at the Academic and Industrial Centre “Zaluchie” in Tverskaya oblast on September 18-22<sup>nd</sup>.

The best students, academics, and organizers ready to get new knowledge participated in it. DonNTU was represented by Dr. A. Khokhulya and the students E. Kapinus and A. Meleshenko.

The students attended the educational blocks to widen their knowledge and get new skills. They got acquainted with various cultures and established deep inter-cultural links, analyzed the problems related with the global warming and tried to find the ways to solve the, and discussed the issues of students’ self-government. They also opened new horizons of studying foreign languages.

The students also helped net camouflage for participants of the SMO, took part in the plenary discussion “Youth and the System” and the educational block “The Russian North”, and played the simulation game “Students’ Self-government” aimed at developing students’ organizations and their activists. The Centre’s engineer delivered his lecture on new possibilities to study in the virtual environment paying much attention to the application of AR-/VR- technologies which



Photo: DonNTU’s Site

are very promising for the future education. The intellectual game “Musical Lotto” was a funny end of the second day of the Forum.

Its third day was the busiest one. The students took part in the contest “Design Department”. The teams were to assemble “tarantasses” – improvised carriages to be united into one train. Then they had educational practical training sessions on key aspects of students’ life. They learnt how to work with normative documents of students’ self-government, analyzed the current achievements and defined the development ways. They also learnt how to act in emergencies to help people and provide their own safety. There was a practical training session on methods of protection from pilotless vehicles, which extremely topical now.

The final day started with hoisting the national flag of the Russian Federation. Then the students took part in the plenary discussion “Gubkin’s University is the University of the Future”. Administration members of the University participated in it. There also was a patriotic event “SMO” where Dr Khokhulya told those present about DonNTU’s students who are taking part in the SMO and made his presentation “To the Memory of Our Students”.

Donetsk polytechnics not only exchanged ideas and experience with students from Gubkin’s University but also found true friends for many years.

The Newsletter is prepared by the Department of International Activity and Inter-university Cooperation of DonNTU (including the materials of the newspaper “Donetsk Polytechnic”). For questions please contact: Donetsk national Technical University, 1st building room 220; tel.: 08 – 25;  
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