

### Donetsk National Technical University NEWSLETTER OF INTERNATIONAL AND INTER-UNIVERSITY COOPERATION

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### DonNTU and Dagestan State University Sign Cooperation Agreement



Photo: DonNTU's Site

Donetsk National Technical University and Dagestan State University signed their cooperation agreement during an online meeting on May 2d.

DSU is the largest and oldest university in the Dagestan Republic. It is of key significance for the region's development. This big educational, scientific and cultural centre trains professionals on all university levels: pre-university, university, post-university and additional.

Rector of DonNTU Prof. Anoprienko and Rector of DSU Prof. Rabadanov discussed a plan of the agreement implementation for the nearest future. The sphere of interests between the university covers, first of all, power engineering, IT technologies and economics. The cooperation in them is seen to be resultative.

DonNTU Hosts XIX All-Russian Scientific and Practical Conference "Engineer of Nowadays and the Future: Practice and Prospects of Development of Partnership in University Engineering Education"

Opening of the XIX All-Russian Scientific and Practical Conference "Engineer of Nowadays and the Future: Practice and Prospects of Development of Partnership in University Engineering Education" took place at Donetsk National Technical University on May 20<sup>th.</sup>

The event was aimed at research and informational exchanging of experience and opinion in topical issues of university engineering education. The Conference



Photo: DonNTU's Site

organizers were DonNTU and South Federal University. The Vice-Rector of SFU Dr. Makhno and the Vice-Rector of DonNTU Dr. Ryazanov were the Organizing Committee Co-Chairpersons, and DonNTU's Rector Prof. Anoprienko and the Vice-Rector of SFU Dr. Mukhanov were the Programming Committee Co-Chairpersons. Dr. Panychev from SFU was the Conference Academic Secretary.

Dr. Makhno opened the Conference and Prof. Anoprienko greeted the participants emphasizing it was the 19<sup>th</sup> one. It renewed its work in a new format. The event is an important venue to discuss tasks and developments in the sphere of engineering education.

The conference program covered 131 presentations made by 205 authors – academics, Master's students and postgraduates, researchers of South Federal University (Rostov-on-Don), Donetsk State University, Donskoi State Technical University (Rostov-on-Don), Siberian State University of Geosystems and Technologies (Novosibirsk), Management State University (Moscow), Taganrog Institute named after A. Chekhov, Donetsk Physical and Technical Institute named after A. Galkin, Mathematical Institute named after L. Sobolev (Novosibirsk), Psychology Institute of the RAS (Moscow). Students of secondary schools from Snezhnoye and Donetsk and Military Training Centre of South Federal University took place in the event too.



Photo: DonNTU's Site

proceedings.

The topic "Research Made by the Future Engineers" has been included into the discussion for the first time.

There were four breakup groups at the Conference. Dr. Koroshchenko and Dr. Kuznetsov were the meetings chairpersons.

The final day, which was May 21<sup>st</sup>, covered discussions of projects, ideas and proposals. The proceedings of the Conference are planned to be published, and the best presentations will be included into the SFU

# Round Table Meeting for Young Researchers of the DPR Takes Place at DonNTU within the Frameworks of X International Scientific Forum of the DPR

The round table meeting for young researchers and students' research societies has taken place at DonNTU in the frameworks of the X International Scientific Forum of the DPR "Innovation Prospects of Donbas: Infrastructural, Social and Economic Development". Dr. Alexeeva from DonNTU and Dr. Torba from DonSU were the event organizers.

DonNTU's Rector Prof. Anoprienko greeted more than 60 online and off-line participants.

Mr. Pashtetski, the coordinator of new regions from the Coordination Council in Science and Education under the President of the Russian Federation, took part in the event.

The presentations made by A. Torba and DonSU's students M. Tretyakov and K. Tychinskaya covered an interesting topic of making schoolchildren and students be interested in science — contests, research games and festivals to popularize it. DonNACA's representatives spoke about the

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Photo: DonNTU's Site

grant obtained by them to support students' scientific society.

The event was summed up by ideas and events to unite young researchers and regularly exchange experience and develop research.

#### Jubilee X International Scientific Forum of the DPR at DonNTU

The Jubilee X International Scientific Forum of the DPR "Innovation Prospects of



Photo: DonNTU's Site

Donbas: Infrastructural, Social and Economic Development" started its work at DonNTU on May 28<sup>th</sup>. A number of the Forum events will take place in the frameworks of the II All-Russian Festival VOIR: "Science and Inventions for Life" (VOIRFEST) under the support of the regional public organization VOIR in the DPR. VOIRFEST is the main festival for researchers and inventors which is organized under the support of the Ministry of Education and Science of the Russian Federation within the Decade

of Science and Technologies announced by the RF President V. Putin in 2024.

DonNTU's Rector Prof. Anoprienko opened the event. He emphasized the Forum is devoted to the 100<sup>th</sup> anniversary of the first graduation of Donbas engineers. There were 12 of

them in 1924. The Forum gathered the record number of participants and presentations and the university had been technically modernized by the event.



Photo: DonNTU's Site

The Head of the DPR Mr. Pushilin, the members of the government Mr. Zhoga, Ms. Tolstykina (DonNTU's graduate), Mr. Vasilyev, and Mr. Ponomarenko greeted the participants.

Mr. Rudakov from St. Petersburg Catherine II Mining University and Deputies of the People's Council of the DPR Mr. Kushakov, Mr. Kostenok, Mr. Demchenko, Mr. Shabalin, and Ms. Gorshkova sent their online greetings.

The final meeting of the Forum took place in the Botanical Garden on May  $30^{\text{th}}$ .

Representatives of DonNTU and the Donetsk Botanical Garden took part in it.

The event was opened by the First Vice- Rector of DonNTU Dr. Karakozov. Prof. Labinski summed up the Forum. He reported on 61 events in which 20 organizations (universities, schools, colleges, research institutes and government bodies) participated in the frameworks of the Forum. 240 presentations, which covered the issues of education and cooperation with business, were made at 6 breakup groups. He also noticed the growing of the number of business participants every year.

The Forum finished with an interesting tour around the Botanical Garden organized by workers of tropical and subtropical laboratories. The sightseers were especially interested in the unique collection of cactuses which is one of the biggest among the botanical gardens and private greenhouses of the former Soviet Union.

# DonNTU's Students and Postgraduates are Team Advisors in the Frameworks of the Program "Sirius.Summer: Start your Project"

DonNTU hosted the final part of the program «Sirius. Summer: Start your Project" on May 16<sup>th</sup>. It was aimed at rising young people's interest in research and engineering. Teams of schoolchildren defended their works which they had been doing during a year. Companies from Moscow, Moscow oblast and Izhevsk were the project customers.

DonNTu's students and postgraduates were advisors of four different projects. The first was "Development of the Fantasy Style Computer Game". Three schoolchildren were in the big team of developers. They got the necessary competences to develop a single-user computer video game with a plot.

The second was the research project "Internet-sources: Ways to Search and Check Information". The main task was to check the skills of the students to analyze the Internet information. to recommendations as to analyzing the Internet-sources. The project was aimed at widening the topical issue of modern education – developing the skills information search and check in the Internet sources. It helps students to evaluate its reliability.



Photo: DonNTU's Site

The project "The Model of the Region's Heat Supply System Development" was presented by the team of Zugress Energy and Technological College of DonNTU. Five participants presented the results of development of Zugress heat supply optimal model with taking into account the possibility to use secondary and renewable energy sources.

The biggest interest was paid to the research project "Creation of Home Station to Get Meteorological Signals from a Satellite". The team's participants were schoolchildren from Donetsk and Enakievo. The main task was to create a home station to get meteorological signals from the satellites NOAA and "Meteor".

The project teams' participants and their advisors got souvenirs — T-shirts with the university logos and slogans developed by the Head of the Students' Design Department Ms. Alexeeva. All works have development and commercializing prospects.

# DonNTU's Vice-Rector Takes Part in the Circuit Seminar of the Ministry of Education and Science of the RF in Youth Policy and Educational Work



The Vice-Rector of DonNTU Dr. Ryazanov has taken part in the circuit seminar—meeting of the Ministry of Education and Science of the Russian Federation.

The event took place at Grozny State Oil Technical University named after the Academician M.D. Millionshchikov on May 17<sup>th</sup>. Vice-Rectors in Youth Policy and Educational Work of 117 universities of South, North Caucasian and North-Western Federal districts, and the Donetsk and Lugansk

People's Republics, and Zaporozhye and Kherson oblasts took part in it.

The speakers were the Deputy Minister of Science and University Education of the Russian Federation Ms. Petrova and the Director of the Department of State Youth Policy and Educational Activity of the Ministry of Education and Science of Russia Mr. Pokrovski. The main topic to discuss was the strategy of youth policy up to 2030 and implementation of the national project "Youth and Children".

The program included lectures, presentations and panel discussions. The experts were representatives of the Ministry of Education and Science of Russia, the Federal Agency in Youth Activities (Rosmolodezh), All-Russian Public and State Movement "Movement of the First", All-Russian Students' Project "Your Turn". The widely discussed topics were the most efficient formats to interact with students, implementation of inner university projects and participation of academics and Vice-Rectors in them.

# DonNTU's Vice-Rectors Take Part in the Conference "Prospects of Integration of Educational Space on the South of Russia"

The online and off-line Conference "Prospects of Integration of Educational Space on the South of Russia" took place at South-Russian State Polytechnic University Named after M. Platov (Novocherkassk) on May 16<sup>th</sup>. It was held under the aegis of the Ministry of Science and

University Education of the Russian Federation, the Legislative Assembly of Rostov oblast and All-Russian Cossack Society. The event was aimed at discussing topical issues and prospects of interaction of educational institutions of South of Russia in the sphere of youth civil and patriotic bringing up based on the traditional values of Russian Cossacks. The breakup group "Organization of Youth Civil and Patriotic Bringing up in the System of University Education Based on the Russian Cossacks'



Photo: DonNTU's Site

Traditional Values" was in the frameworks of the Conference. The Vice-Rectors of DonNTU Prof. Borshchevski and Dr. Shcherbov were the Presidium members.

The participants were greeted by the archpriest G. Smorkalov, the Rector of SRSPU Prof. Rasorenov, and the Director of the Department for Cossacks' Activities Dr. Serov. The presentations covered issues of patriotic bringing up of young Cossacks, Cossack education, preservation of historical and cultural heritage of the Russian Cossacks and strengthening traditional values.

#### CST's Delegation Visits Priazovski State Technical University



The delegation of the Institute of Computer Sciences and Technologies paid their working visit to Priazovski State Technical University on May 15<sup>th</sup>. They got t know the university's structure and attended the lecture "Propaganda in Computer Games".

# DonNTU's Associate Professor Takes Part in International Scientific Conference in St. Petersburg

St. Petersburg branch of Moscow University under Finance the Russian Federation's Government hosted the International Scientific Conference on topical issues of financial, social and economic the development of national economy, companies' efficient management, and human capital transfer April 25-26<sup>th</sup>. on Kladchenko from DonNTU made her presentation and was an expert in breakup groups. She also answered questions on Donbas



Photo: DonNTU's Site

integration into the RF. She also worked at strengthening links among partner-universities. There was an interesting social program at the Conference. The participants visited Petrograd Fortress, the Russian Museum, the city's historical stronghold Kronstadt, and the Big Hall of Shostakovich Concert Hall.

## DonNTU's Academic Takes Part in XII International Scientific and Practical Conference "Integrated Models and Soft Computing in Artificial Intelligence"

The XII International Scientific and Practical Conference "Integrated Models and Soft Computing in Artificial Intelligence" took place in Kolomna on May 14-17<sup>th</sup>. It was organized by the Russian Association of Artificial Intelligence, the Russian Association of Soft Computing and Fuzzy Systems, the Federal Research Centre "Informatics and Control" Kolomna Institute of



Photo: DonNTU's Site

Moscow Polytechnic University, the Institute of Computer Technologies and Information Security of South Federal University. Dr. Fedyaev Represented DonNTU there.

The Conference was held in the period of Russian government's paying attention to the issues of artificial intelligence, its application in economy and strengthening country's defense potential.

The Congress of the Russian Association of Artificial Intelligence, a member of the scientific Council of which is Dr. Fedyaev, was held in the frameworks of the Conference.

The social program was interesting: excursions around Kolomna founded in the XII century, Kolomna Kremlin, Skating Centre "Kolomna", and a trip along the Moscow River and the Oka.

### Republican and All-Russian Contests and Olympiads Victory Ceremony Takes Place at DonNTU

Republican and All-Russian Contests and Olympiads Victory ceremony took place at DonNTU on April 26<sup>th</sup>.

I degree diplomas were awarded to

 Maria Bragina – the winner of the Open Republican Contest of Research Work in Management;



Photo: DonNTU's Site

- Ekaterina Mironova the winner of the All-Russian Contest "The Manager of the Future" in the nomination "Presentation";
- Maria Ivashura, Igor Sokolov, Maxim Demura,
  Artyom Vdovichenko, Ilya Kondratov ( the team «ARTIFICIAL
  INTELLECT KILLERS») the winners of the All-Russian
  Contest "The manager of the Future" in the nomination
  "Presentation".

II degree diplomas were awarded to

- Maria Bragina the winner of the Open Republican
  Contest of Research Work in Management;
- Anastasia Isaeva the winner of the All-Russian
  Contest "The Manager of the Future" in the nomination
  "Presentation";

III degree diploma was awarded to Veronika Limanovskaya, the winner of the Open Republican Contest of Research Work in Management;

The certificates of the participants of the X All-Russian Olympiad on History of Russian Entrepreneurship (the regional stage: the Donetsk People's Republic) were awarded to DonNTU's students E. Fedchuck, D. Sarkisyan, Y. Levchenko, and M. Bragina.

Dr. Sharnopolskaya got the note of thanks for preparation of the students for the contests and Olympiads.

#### **Congratulations on Victory Day from Our Russian Partner Universities**

The Victory Day is one of the biggest and most important days for our Motherland. Warm greeting were sent by our partner universities at the address of DonNTU's Rector.



Photo: E. Surovtseva.

#### Donetsk Polytechnics Take Part in V Media Forum "South Frontier"

Donskoi State Technical University (Rostov-on-Don) hosted V Media Forum "South Frontier" in which Ms Pirogova, an expert in work with young people, and students E. Orlenko and S. Yevtushenko took part in it.

The participants were greeted by the Director of the Department of Information Policy and Complex Security of the Ministry of Education and science of the RF Mr. Smolyaninov and the Rector of DSTU Prof. Meskhi.

The program included a lot of lectures to develop practical skills, the round table meeting to discuss the characteristics of information policy at universities, practice exchange in organization of students' mass media.

The participants obtained a lot of useful knowledge, practical skills and positive emotions. All the participants got their certificates.



Photo: DonNTU's Site

## DonNTU's Students Take Part in the Events organized by the Society "Znanie" at the NEAE

On April 29 – May 5<sup>th</sup> a group of students of DonNTU headed by D. Marenich took part



Photo: DonNTU's Site

in the educational program organized by the Russian society "Znanie" at the international exhibition- forum "Russia" hosted by the NEAE.

There was a complex of educational events with participation of outstanding researchers, public and state figures, and representatives of business circles, culture and art within the frameworks of the Forum. It was aimed at harmonious development of a young generation, getting reliable knowledge and popularizing education

activities among students of the country.

Lectures took place different pavilions of the exhibition in a friendly and positive atmosphere.

DonNTU's Students Have their Internship at Novosibirsk State Technical University

A group of DonNTU's students has their month internship at Novosibirsk State Technical University in the frameworks of cooperation between the two institutions. Its members are students from the Faculty of Computer Technologies and Automation, the Faculty of Information Systems and Technologies and the Faculty of Intellectual Power and Robotics.

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The internship had been organized on the initiative of NSTU's Rector Prof. Bataev and





Photo: DonNTU's Site

supported by the administration of Novosibirskaya oblast. All expenses are covered by the host university.

The program includes studying theoretical issues and doing research. Our students will get to know the university's laboratory base, and visit research institutions of the region. Further development of professional competences will help our student to prepare their qualification works which they are going to defend in front of DonNTU's State Commissions.

NSTU organized a social and excursion program which will strengthen friendly links among the students of both universities.

# DonNTU's Student Wins the XXVI International Contest of Young Researchers' Works in Economics

Summing up of the XXVI International Contest of Young Researchers' Works in Economics took place in Moscow on April 24<sup>th</sup>. Its organizers were the Free Economic Society of Russia and the Economists International Union under the support of some key universities of Russia, the Publishing House "Economic Newspaper" the Institute of Economics of the Russian Academy of Science and the Institute of Economic Prognostication of the Russian Academy of Science.

There were three stages at the Contest. 1<sup>st</sup> – the regional; 2<sup>nd</sup>- qualifying (293 works from 64 subjects of the Russian Federation, Belarus, and Mongolia had been submitted); 3-d – the final where authors of 12 best works defended them in front of the jury. Master's Student of



Photo" DonNTU's Site

DonNTU A. Chernovolova ranked first with her work "Digital Economics Being A Factor to Provide Economic Growth of Russia under the External Shocks: Improvement which is: Contrary to" (Dr. Shavkun was her supervisor).

The Victory Ceremony took place at the Big Hall of the Russian Academy of Science in the frameworks of the VI

International Moscow Academic economic Forum on May 15<sup>th</sup>.

#### DonNTU's Students are Prize Winners of the Open Students' Olympiad in Metrology, Interchangeability and Standardization

DonNTU's students are the prize winners of the Open Students Olympiad in Metrology, Interchangeability, and Standardization which took place at Donbas State Technical University (Alchevsk) on April 25-26<sup>th</sup>.

The online event had two stages: 1<sup>st</sup>- electron testing on the platforms EO and DOT of DonNTU; the 2<sup>nd</sup>- solving of calculation and analytical tasks. The Difficulty level was high



Photo: DonNTU's Site

and required not only typical tasks on the discipline but also nonstandard approaches.

DonNTU's student Yermolenko ranked second in the individual championship, and DonNTU's team "Technographs" (B. Yermolenko, V. Kasiyanchuck and S. Melnick) ranked III in the team championship.

#### DonNTU's Students Take Part in the All-Russian Olympiad in Power Systems

DonNTU's students have taken part in the All-Russian Olympiad in Power Systems at Tomsk Polytechnic University. The team consisted of V. Lisovski, D. Tonkoshkur, N. Krokhin, and P. Kolosova with Dr. Bulgakov being the students' supervisor. The students and their supervisor got their certificates and thank you note on May 13<sup>th</sup>.

#### **DonNTU Hosts the VII Scientific and Practical Conference in Linguistics**

DonNTU hosted the online VII All-Russian Scientific and Practical Conference with International Participation "Linguistic Research and its Application in Teaching the Russian Language, Speech Culture and Other Linguistics Disciplines" on May 14-17<sup>th</sup>.

The Russian and other languages researchers from educational institutions of the Russian Federation, the Transdniestrian Moldavian Republic , and Belarus made analysis of language

tools is semantic and cultural aspects and from the point of view of their studying at schools and universities.

Russian, English, German, and French Conference working languages. Academics, young researchers, postgraduates and Master's students took part in the event. According to the organizers students' participation will not only deepen their knowledge in subjects but also shows another side of teacher's activities such as scientific search.



Photo: DonNTU's Site

The Conference proceedings "Linguistic Research and its Application in Teaching the Russian Language, Speech Culture and Other Linguistics Disciplines" are planned to be published and placed at the site of the Russian Language Department and sent to all the authors.

The Newsletter was prepared by the Department of International Activity and Inter-University Cooperation (including the materials of the newspaper "Donetsk Polytechnic").

Should you have any questions as to the materials published, please address at: 1-st Building of Donetsk National Technical University, r. 220; tel.: 08 - 25; URL:

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