

Graduates of DonNTU Got Russian Diplomas



29 DonNTU's graduates of different years were presented with diplomas of Ukhtinski State Technical University (USTU) (Russia) on July 4th.

The Deputy Minister of Education and Science of the Donetsk People's Republic Ms. I. Simonova, the Rector of DonNTU Prof. K. Marenich, the Deans of DonNTU's

faculties, and the Director of the branch of the Russian university in the city of Usinsk Ms. N. Pichko and her colleagues were present at the ceremony.

Ms. Simonova thanked the Russian university for the knowledge they gave to DonNTU's graduates, and the latter – for their understanding of the importance of continuous education. “The obtained diploma helps integrate into the Russian market and be prepared for international challenges. Despite getting the second degree in Russia, all the graduates remain in the Donetsk People's Republic to develop its economy. All of them are employed and were able not only to find their callings but also to understand the importance of continuous education in the sphere of industrial development of the DPR,” emphasized the Deputy Minister.

Prof. Marenich also mentioned the symbolic nature of the event. DonNTU had been collaborating with USTU for many years. The staff of USTU had supported us, supplied with textbooks and initiated graduate professional retraining.

The retraining lasted for nine months with distant technologies in institutional provision of a fuel and energy complex and exploitation of oil and gas deposits being applied. There were 16 training courses in both fields. The obtained diplomas give a right to work at companies of the fuel and energy complexes of the DPR and Russia.

Ms. Pichko noticed the high level of knowledge of DonNTU's graduates. "It is a pilot project and it proved to be a good one. We are going to collaborate in some other spheres", ensured the Director of the university's branch.

Meeting with a French Delegation and the Honourable Consul of the DPR in France

On June 26th DonNTU welcomed the French delegation visiting the DPR. Some diplomatic issues were discussed in its first part. Mr. Hubert Fayard, the honourable consul of the DPR in France, the head of the Independent Centre of Bouche-du-Rhone (CNIP) and a municipal advisor of the city of Kudu; Mr. Christiane Pujol, and advisor of the department of Bouche-du-Rhone and a worker of the movement of « Debout la France », Mr. Christiane Borelli, a national advisor of the party of « Les Républicains » and a municipal advisor of the city of Vitrolles exchanged their impressions of their visit to Donetsk and opening of the representation Centre of the DPR in Marseille. They discussed the prospect of the cultural, scientific and educational collaboration in the frameworks of the Centre. The second part of the



meeting covered social and cultural issues. Mr. Emmanuel Leroy, a political science expert, the editor of the magazine « Sans Frontières », and the head of the humanitarian organization « Urgence Enfants du Donbass »; Mr. Chris Roman, the head of the movement « Euro-Rus » made their presentations.

To sum up, we would like to notice that the meetings like that show the interest foreign guests pay to cultural and scientific collaboration with DonNTU.

Scientist from MEI Delivers Lectures at DonNTU

Dr. A. Kurushin from Moscow Energy Institute delivers his lectures on 3-D modeling of electrodynamic problems for the students of the department of Radio Engineering and Information Safety every summer. He has been doing it for three years.



The collaboration with Dr. Kurushin started in May 2015 and was based on common scientific preferences. Then it grew into collaboration between departments. There was a lack of software and laboratory basis at the department. The basis was partially restored due to support of some Russian universities. The collaboration with Dr.

Kurushin improved the level of research carried out at the department.

The students are “absorbed” in the world of the programs HFSS, CST, FEKO, COMSOL at classes. They do their yearly, Bachelor’s and Master’s projects according to the world standards with the help of the programs. At present more than 50% of Master’s projects are done in the software and the index is still growing. Both academics and students contact Dr. Kurushin by mail, social networks and at the site of distant learning. 48 students attended his lectures during last three years.

Dr. Kurushin is a broad-minded person. Being a radio engineer, he is a member of the Union of Artists of Russia. His main works are a series of painting on the motives of the novel “Master and Margarita” and a series of his childhood memories. As a filmmaker he made a multimedia film (a computer slide-film) “Mikhail Bulgakov: Life Pages” in which he included his paintings.

In 2016 he presented Donetsk Arts Museum with 11 paintings and 6 ones this year.

Students and academics of Donetsk National Technical University hope extend further collaboration with Dr. Kurushin and wish him all success.

DonNTU’s New International Collaboration Agreements

DonNTU signed new collaboration agreements in education, science and culture with Lugansk National University named after Taras Shevchenko (the LPR) and the Company “Scientific and Industrial Association “New Technologies” (an innovation company with participation of MSTU named after N. Bauman) in April.

DonNTU’s Undergraduate is a Winner of the International Contest «Mobile Devices Challenge 2017»

Mr. A. Mymrikov, an undergraduate of DonNTU, ranked second in the contest «Mobile Devices Challenge 2017» organized by the American company MATLAB. The contestants were university students, and he presented his «Management of Arm Robot via Android». A student from Russia ranked first and a student from the Netherland ranked third. According to



the requirements of the contest the participants were to make an application for Android or iOS which uses the package MATLAB/Simulink to control or analyze the data from sensors built in a Smartphone.

The robotized manipulator developed by Mr. Mymrikov is controlled by the Android-device. The details can be found at the official site Mathworks.

The financial equivalent of his victory is 1000\$ which is a good help.

Collaboration with Russian Economic University Named after G. Plekhanov



On April 26-28th Dr. O. Fedyaev visited Russian Economic University named after G. Plekhanov (Moscow) to participate in the 20th jubilee scientific and practical conference “Company Engineering and Knowledge Control”.

Topical issues of development of methods and means of system transformation of companies based on intellectual technologies to provide innovation development of companies and organizations were discussed at the event.

The organizers of the conference were Russian Economic University, Russian Association of Artificial Intellect and Educational and Scientific Centre “Cybernetics” which is a structural subdivision of the University named after G. Plekhanov with which DonNTU signed a collaboration agreement in 2015.

Dr. Fedyaev was a member of the Programming Committee of the Conference and made his presentation “Neuro-Fuzzy Models of Agent Communication under Modeling of Students’ Training and Employment” at the meeting of the breakup group “Engineering and Business Process Control”.

The research results reported by Dr. Fedyaev awoke interest of Dr. Tarasov, a famous scientist working in the field of multiagent systems. He had been interested in the presentations made by Dr. Fedyaev at previous conferences. This time he proposed working at the joint project on development and application of intellectual technologies in the frameworks of the official scientific and technical collaboration agreement.

During his visit Dr. Fedyaev established contacts with one of the departments of Moscow State Technical University named after N. Bauman as to collaboration in the field of education and information and presented a new version of the agreement with the “Cybernetics” Centre.

He also discussed the possibility of signing a collaboration agreement with Tver State Technical University with its representatives who participated in the conference.

Collaboration with the NRU “BelSU”

In March-May 2017 Dr. A. Zvyagintseva visited Belgorod National Research University “BelSU” on the invitation of the Deputy Director of the Institute of Engineering Technologies and Natural Science Mr. K. Polshchikov.



During her visit she developed methodology on teaching of the discipline “Object-Oriented Simulation” and collected materials to develop a new course “Complex Evaluation of State and Development of Complex

Systems”. Dr. Zvyagintseva was also present at the preliminary defense of Master’s and Bachelor’s projects.

All above mentioned showed the interest the host paid to development of research links with DonNTU and prospects of collaboration of the two universities.

Vector of Collaboration with Ukhta State Technical University

Prof. A. Mikhailov, the Head of the Department “Manufacturing Engineering” visited Ysinski branch of Ykhta State Technical University and participated in the seminar “Plant Engineer Service Organization” and made his presentation there.



He also got acquainted with the system of training of graduates and undergraduates at the university and laboratories of the institution.

Visit to Penza

Dr. G. Molodan from the Department of Applied Ecology and the Environment Protection” took part in an international scientific conference in Penza in May. The conference was devoted to the 100th anniversary of the national parks service and the Year of Ecology in Russia.



Dr. Molodan made his presentation “Ways to Improve the National Parks Service in the Donetsk Region”. The presentation was awarded the first class diploma in the nomination of preservation of the natural heritage of Russia. He also had some discussions as to the prospects of collaboration in the field of joint research with the famous researchers of the Russian Academy of Science.

VII International Scientific Conference “Chemical Thermodynamics and Kinetics”

Prof. V. Matvienko from the Department of Physical and Organic Chemistry visited Novgorod State University named after Yaroslav Mudry to participate in the VII International Scientific Conference “Chemical Thermodynamics and Kinetics”.

DonNTU was its co-organizer. There were 184 participants from Russia, Ukraine, Belarus, Moldova, Vietnam, Armenia, Azerbaijan, Tadzhikistan, Uzbekistan and Kazakhstan there. They made 195 presentations the range of which was very wide: from quantum and chemical calculations to material property research. The presentations awoke interest of the participants who asked many questions and organized discussions.



Novgorod State University welcomed the conference participants and did its best for the work to be comfortable and fruitful.

Prof. Matvienko met Prof. Zakharov and discussed the prospects of collaboration between his department and the Department of Experimental and Theoretical Physics of NovSU. They agreed on holding of the annual conference in Donetsk when the political situation is settled.

XI International Festival «The Great Russian Word»

Prof. V. Mozgovoi and Dr. L. Vergazova from the Department Economic Law Management visited Yalta to take part in the XI International Festival “The Great Russian Word”. On the day of the arrival the hosts organized an excursion to A. Chekhov’s house-museum.

Prof. V. Mozgovoi and Dr. L. Vergazova were present at the opening ceremony of the Festival in the cinema and concert hall Russia and met some members of the government of the Crimea. They also participated in two round work tables: “The World’s Modern Picture: The Crimean Context” and “Associative Experiment in the Language Consciousness Studying”.

They were invited experts at the master-class “New Technologies of Abbreviation Research”.

The registered two-volume proceedings of the international symposium were published.

Collaboration with the Company “Advanced Technology Systems”

The key specialist of DonNTU Dr. S. Khrapko visited the company “Advanced Technology Systems” (the Russian Federation, the town of Lyubertsy) in April-June. He developed algorithm and software to record layer-by-layer charge in arc steel making furnaces.

The visit resulted in further collaboration between DonNTU and the Russian company.

XI Jubilee Scientific and Practical Seminar “Reliability Technologies”

The Head of the Research Office of DonNTU took part in the XI jubilee scientific and practical seminar “Reliability Technologies” in St. Petersburg.

The company “Baltech” is the traditional organizer of the seminar. It is one of the key producers and suppliers of shaft laser centering systems, balancing machines, stethoscopes, vibration meters and vibration analyzers, pyrometers and thermal images, induction heaters and tools to assemble bearing boxes, benches of rolling bearing inspection test.

The seminar program covered the main issues of implementation of the concept of “Reliability Technology” developed by the company’s experts. It included organization of the efficient maintenance system at companies, theoretical basis and practical examples of solving the tasks of industrial machine reliability and that of bearing boxes.

40 experts from 4 countries (Kazakhstan, Kirgizia and others) and 5 regions of the Russian Federation participated in the seminar.

The unique as to the functional abilities new technical products of the company I-Gare Group, which is a partner of the company “Baltech”, awoke sincere interest of the participants. First of all, it’s vibro-monitoring wireless system, which, unlike its famous analogs, can work in the local mode within 5 years and make full value measurements of the time form and range of the vibration in the break point with fixed periodicity. The results of the measurement can be affordable in any point of the world through the Internet on any device – a PC, the Smartphone or a pad. Besides, the participants were shown a system of vibro-metrical diagnostics of operating conditions and design features of facilities with the help of high-speed video cameras. It is the revolution in development of vibration-measuring devices which opens new possibilities in diagnostics of industrial machines. Application of the video cameras allows visualizing of the vibration state in the real-time mode of all visible break points of the machine and measuring vibration parameters of one or some particular points in measurement absolute units.

The participants had both theoretical and practical classes and got the skills of working with the modern means of technical diagnostics produced by the company “Baltech”.

All the participants got further training registered certificates.

Academic Trip to NRU “BelSU”

In May-July Prof. G. Averin visited Belgorod Research University in the frameworks of economic mobility.

He delivered lectures to undergraduate students, supervised Bachelor’s and Master’s projects and was present at the meeting of the dissertation board of the university.

Prof. Averin also visited the Mathematical Research Laboratory named after P. Chebyshev.

The visit showed the interest the host paid to development of research links with DonNTU and prospects of collaboration of the two universities.

Studying at the University of Otto-von-Guericke

A student of DonNTU A. Komar studied at the University of Otto-von-Guericke (Magdeburg, Germany) in April-June.

During his staying there he improved his language skills and met students from different countries (India, China, and Argentina), had his pre-graduation practice at the Department of “Electric Networks and Energy Renewable Sources” and prepared his Master’s project.

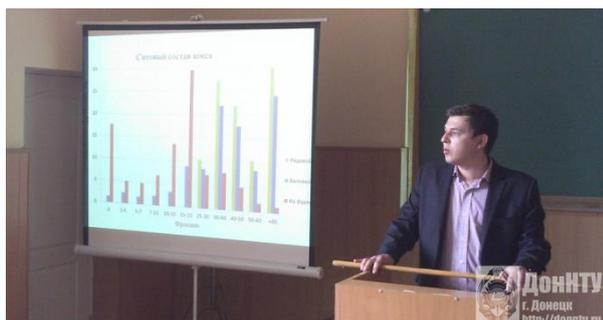
And, of course, Mr. Komar improved his professional knowledge and got acquainted with the modern laboratory equipment.

III International Scientific and Practical Conference “Metallurgy of the XXI Century in the Eyes of Youth”

The Physical and Metallurgical Faculty of DonNTU hosted the III International Scientific and Practical Conference “Metallurgy of the XXI Century in the Eyes of Youth”. 8 universities of the DPR, the LPR, Belarus, Kazakhstan, Spain, and Germany sent their representatives to make 78 presentations.

There were 7 breakup groups at the conference:

- “Ferrous materials metallurgy”;
- “Ferrous and non-ferrous materials foundry”;
- “Metal forming”;
- “Applied material science, thermal metal treatment, material science”;
- “Heat and power engineering”;
- “Industrial heat engineering”;



- “Ecology and the environment protection in metallurgy”

The presentations were topical and made on a high level with application of the modern research methods.

Special attention was paid to innovative metallurgical technologies, energy and resource conservation, and improvement of the ecological state of industrial companies and plants of the Donbass Region.

The “Polytechnic” is the Winner of the Donbass Cup

May 27-28th was really the great occasion for the town of Bryanka (the LPR). There were the games of the final 5th round of the Donbass Handball Cup. The “Polytechnic” team (DonNTU) won the previous four rounds fought against the team of Slovyanoserbsk. Our rival also had 100% result of the previous rounds. That is why it was the match of principle as its winner would be the holder of the Donbass Cup. It was clear from the very beginning that neither of the teams was going to miss the prestigious trophy. Our team lost two balls in course of the match. But due to the competent management of the coach – an academic of the Department of Physical Education and Sports Mr. I. Dyudin, and coordinated actions of the players the “Polytechnic” wrested the victory with the score of 35:37.



Power Extreme Tournament



On May 27th Yaroslavl hosted the power extreme master tournament devoted to the Day of the City. 12 athletes competed in 5 disciplines. An academic of the Department of Physical Education and Sports of DonNTU Mr. S. Romanchuck was its winner.

The Newsletter is prepared by the International Office of DonNTU.

Should you have any questions or offers as to the publication material, please address us at: 1st building of Donetsk National Technical University, office 220; tel.: (062) 301 – 08 – 25; (062) 337 – 32 – 66; fax: (062) 304 – 12 – 78; URL: <http://donntu.org/international-cooperation/otdely-instituta-mezhdunorodnogo-sotrudnichestva> E-mail: ovs@donntu.ru