

## We Receive the Head of the Representation Centre of the DPR in Italy



The Head of the Representation Centre of the DPR in Torino (Italy) Dr. Mauricio Marrone visited Donetsk National Technical University on November 22<sup>nd</sup>. The visit was organized in the frameworks of events developing links between the Donetsk People's Republic and the Italian Republic. DonNTU's Rector Prof. K. Marenich and the university's administration members received the Italian guest, told him about the institution's history and its collaboration with the key scientific schools and remarkable researchers from foreign universities.

The selfless labour, patriotism and the civic stand of the staff and the students of DonNTU, their attempts to preserve and develop higher engineering education under the difficult conditions the young Donetsk People's Republic faces were paid special attention to.

There was a meeting of the guest and the staff and the students of DonNTU in the Big Assembly Hall of the university's first building. The First Deputy Minister of Education and Science of the DPR Mr. Mikhail Kushakov took part at the event.

Dr. Marrone's presentation dealt with the actual sovereignty and the international subject of any state on the example of the Donetsk People's Republic. He also spoke on the goal and activity of the Representation of the DPR in Italy which is as follows: spreading of the truth on the heroic struggle of the citizens of the DPR for the right to work and live on their native territory, to profess their cultural and historic values, and on the real essence, aims and international sponsors of the puppet Kiev regime.

Mr. Kushakov and Prof. Marenich welcomed the guest and thanked him for the initiative to organize the meeting with the staff and the students of DonNTU and for

his principled position as to representation of our Donetsk People's Republic in the countries of the European Union. They emphasized the informative nature of his presentation and wished him all success in his important and necessary work.

### **DonNTU Signs a Collaboration Agreement with ASTU**

DonNTU signed a collaboration agreement with Astrakhan State Technical University (ASTU) on November 28<sup>th</sup>. The Associate Professor of the Institute of Information Technologies of ASTU Dr. K.A. Vytovtov delivered his lecture Technological Process Automated Control Systems.

We are going to organize joint conferences and publish joint papers. DonNTU's Rector and the representatives of the parties discussed the collaboration in details.



The agreement is the 46<sup>th</sup> to be concluded during the last four years. It is a mutual opinion that the agreement has great future.

The person responsible for the agreement Dr. A. Bodnar (DonNTU) had taken part at the conference organized by Astrakhan State Technical University. She got the note of thanks for organization of the international youth conference "Information and Communication Technologies: Current Achievements".

### **Exhibition of Students' Scientific and Technical Developments at DonNTU**

Donetsk National Technical University hosted the exhibition of scientific, technical and design development of DonNTU's students on November 15-20.

Some designers and students' teams representing profile- departments took part in it. All the developments were made on the modern element base and can be applied in different fields. Students I. Fominykh, L. Rudack, and B. Chernyshov showed a face recognition complex; I Degovtsev made his presentation of a Morse code decoder; D. Dubogray demonstrated his device that recognizes sound vibration beat tones; D. Kalmykov showed his alarm clock having the artificial intellect functions.



Many of the developments would be useful for industrial application. N. Pugach made his presentation of a working model of the mine automated loading complex; T. Dorokhin showed a working ionophone; D. Shekhovtsov demonstrated a ferrous and non-ferrous metal radio-metal locator.

Metallurgical engineering students showed their interesting developments. These are model of a manipulator for the oxygen steel-making converter (I. Pogorelov and E. Sarkisyan), a model of the machine to open blast furnace iron notch (A. Antonov), a device to find the coefficient of metal thermal conductivity (A. Orlovski, M. Petrov).

Electrical engineering students made their presentation of the industrial robots complex. They made the robot components and printed them of the 3-D printer. The visitors saw the device “The Hand Robot” (V. Grin, E. Basalygin), the balancing robot “B-bot” (V. Nzhenets), and the spider-robot (E. Makarov and I. Samoylov), the self-mobile robot- manipulator (D. Franchuck). Besides, they could get acquainted with interesting physical aspects of the Tesla’s coil (V. Masalski).

DonNTU’s Rector Prof. K. Marenich, the Secretary of the Rectors’ Board of the DPR Ms. T. Malinenko, and the Deans of Faculties also were among the visitors. The exhibition demonstrated a high scientific level of the developments and was powerful motivation to attract and support talented youth of DonNTU and those who pay interest to scientific, design, technological, creative and innovation activity.

### **Donetsk Researchers are Participants of the Symposium in Multi-Level Education**

Donskoy State Technical University (Rostov-on-Don) hosted the XII International Scientific and Methodological Symposium “Multi-Level Education Modern Problems” in October.

The symposium is famous in Russia as a platform to discuss the most important issues of the high school such as integration of university with industrial companies, modern education technologies and systems, e-learning and distant technologies in the system of education, methods and technologies to evaluate quality of education etc.

Researchers from DonNTU were active participants of the symposium. Some of them were present at the event, and some sent their papers.



DonNTU's Rector Prof. K. Marenich made his presentation "The Multi-Level System of Education is a Containment Tool in the Concept of Civilization Confrontation", and Dr. I. Kondourova made her presentation "The Role of the Competent Approach in Human Capital Forming".

The seminars of the key researchers of Russia in introducing of innovation technologies into education in modern universities, and the seminar of Prof. M. Minin "Training of Elite Engineers: Experience of the National Research Polytechnic University of Tomsk" in particular, were of particular attention of the participants. .

They exchanged their experience in academic, methodological and scientific activities. All of them emphasized a high level of the event and thanked the host administration for the given possibility to communicate on the professional level and exchange the experience.

### **A Dialogue in the Name of the Future: Russia and the Environment in a Century**



Dr. E. Sidorova took part at the scientific and education program "A Dialogue in the Name of the Future: Russia and the Environment in a Century" in Moscow on November 14-22<sup>nd</sup>.

It is the annual program for young local and foreign experts working in a foreign policy, international affairs and public diplomacy. It is supported by the Fund of Public Diplomacy Support named by A.

Gorchakov, the Centre of Foreign Policy Collaboration named after E. Primakov, the Fund of President's Grants, and the Ministry of Foreign Affairs of Russia. 45 representatives from 22 countries participated in the program.

Dr. Sidorova took part in some discussions to analyze international problems and get information on the Russian position as to some topical world issues. There was an interactive discussion "Hopes and Fears of 1917/2017: Similarities and

Differences” where she made her presentation “2017: Russia as it is Seen by the French” and after that discussed the issues of French-Russian links with the program participants and experts.

Dr. Sidorova met the Minister of Foreign Affairs of Italy (2004-2006, 2008-2011) Mr. F. Frattini.

The Minister of Foreign Affairs of Russia Mr. S. Lavrov met the participants of the program on November 17<sup>th</sup>. He shared his opinion as to the current world situation and spoke on the Russia’s approach to solving vital international problems. The Minister appreciated interaction with non-government organizations, especially those that unite young people and he also gave detailed answers to the questions the audience asked.

Implementation of initiatives in public diplomacy, in the frameworks of Donetsk French and Russian Institute in particular, was discussed in the course of the program. Dr. Sidorova exchanged her opinions with the participants from other countries on the international situation and implementation of the projects with French speaking countries.



### **DonNTU Hosts the II International Scientific and Practical Conference “Complex System Business Engineering: Models, Technologies, and Innovations - BECS-2017»**

Donetsk National Technical University has hosted the II International Scientific and Technical Conference “Complex System Business Engineering: Models, Technologies, Innovations – BECS- 2017”. DonNTU, Donetsk National University and Ural Federal University named after the first president of Russia B.N. Yeltsin (UrFU) were its organizers.

The goal of the scientific event was to implement a potential of new educational and scientific technologies in the frameworks of partner educational networks. UrFU participated in the conference on-line.

The Vice-Rector of DonNTU Prof. I.Navka and the Head of the Board of Wage-Rate and Price Policy of the Department of Analysis and Strategic Development of the Executive Office of the Council of Ministers of the DPR Mr. S. Levshin greeted the participants.



The representative of UrFU and the Russian coordinator of the project on the network educational program Dr. M. Medvedeva said she was sure in long term partner links with the participant-universities.

More than 100 scientists, researchers, practitioners and postgraduate students presented their developments to discuss them on-line. The geography of the

presentations is very wide – Poland, Bulgaria, Belarus, Kazakhstan, Georgia. The main subject matter of the conference was innovation solutions in digital economics, eco-communities in the electron environment, distance learning project analysis.

The value of the events like this one is in the positive and promising impact of scientific exchange with the application of the latest technologies of training of top-class specialists.

### **CSoft Seminar at DonNTU**

The Department of Industrial Companies and Cities Power Supply has organized a seminar to present Russian programs on power supply design. The representatives of the companies “Donbass Energy” and “Teploelectroproject” and others attended the seminar.

The Dean of the Electrical Engineering Faculty Dr. S. Shlepniov spoke on the topicality of transition to Russian standards in teaching special disciplines and experience of DonNTU in retraining and teaching the latest technologies in engineering (the certified centers “Schneider Electric”, “Siemens” and “Muller Electric”). DonNTU had signed its collaboration agreement (the 45<sup>th</sup> one in the newest history) with the Russian group of the company CSoft. Dr. S. Dzura, the Director International of DonNTU, made his presentation on the group. It consults and implements complex solutions in automated design systems, production design,

geo-information systems and documents circulation. The CSoft donates some programs chosen by DonNTU to be implemented in teaching. The Department of Industrial Companies and Cities Power Supply had chosen 9 software packs in different aspects of automated design systems to supply power to industrial companies. They are going to be used in new teaching courses.



This was caused by curricula changes and orientation to the standards of the RF. The chosen software packs use achievements in power supply in the RF and the world.

The students A. Martynov, and D. Dmitrienko made their presentations on automated design systems. The students A. Burmistrov, A. Yakubovski and V. Timokhin presented their invention – the automated detecting system “Morrigan” which is a prototype of the sapper robot controlled by the Smartphone and able to find mines and pull-actions, bypass obstacles and speed up. The original device is made of improvised means but soon the 3-D printer will be used and it will be ready for its real application. The robot was demonstrated at the exhibition of young researchers and inventors in Moscow and ranked second.

It's the second time when DonNTU has got 31 licenses for 9 programs each of which costs more than 100 000 rubles. It is huge assistance in teaching according to the RF standards on the best equipment and with application of the world top class

software. It helps train high level engineers who Donbas needs to restore and develop its industry.

### **First International Youth Conference “Information and Communication Technologies: Current Achievements”**



Dr. A. Bodnar has got the invitation from Astrakhan State Technical University (the Institute of Information Technologies) to take part at the first International Youth Conference “Information and Communication Technologies: Current Achievements”.

Dr. Bodnar made her presentation “Information Security in the Company’s Communication Control System” at the school for young researchers “IT” and assisted in holding the conference.

Representatives of our university showed their interest in further collaboration with our university.

### **Seminar “Power System Cybernetics”**

The Senior Lecturer of DonNTU A. Bulgakov has got the invitation from the South-Russian State Polytechnic University named after M. Platov to take part at the XXXIX session of the seminar “Power System Cybernetics”. He made his presentation and discussed presentations at the breakup group of the seminar “Power Supply Systems”.



### **DonNTU Takes Part at the Jubilee International Conference**

Alchevsk (the LPR) has hosted the jubilee international scientific and technical conference “60<sup>th</sup> Anniversary of DonSTU: Science and Practice”. Dr. A. Karakozov, Dr. A. Sotnikov, Dr. S. Yeronko and Dr. S. Avvakumov, Prof. N. Kasyan, Prof. A. Novikov, Prof. Y. Petrenko, A/Prof. A. Tupitsin and students O. Sidyachenko and I. Kornienko represented our university at the event.



Rector of Donbass State Technical University Prof. A. Zinchenko greeted the participants and emphasized the necessity of the close interaction

between science and practice to get high results. 70% of key leaders of Lugansk companies are graduates of the university. There were 11 breakup groups at the conference. The proceedings will be published soon.

### **Delegation of the DPR Participates at the Literary and Art Contest “Come on Grenadiers!”**

In October 2004 the Writers’ Union of Russia and the World Russian National Council announced All-Russian Literary and Art Contest for Children and Young People “Come on Grenadiers!” to celebrate the 60<sup>th</sup> anniversary of the Great Victory.

The Organizing Committee’s goal was not to organize a competition, but to form the community of young people who would like to get knowledge on their country and be a part of the great nation and to understand that there are many people in the country who share their points of view.

The 13<sup>th</sup> contest finished in September 2017. Schoolchildren from the DPR took part in it.

They visited the Cathedral of the Redeemer and participated in the plenary meeting of the XXI World Russian National Council. The government members of Russia, leaders of political parties and public organizations and representatives of traditional religions of Russia took part in the event.

The award ceremony took place at the House of the Russians Abroad named after A. Solzhenitsyn.

There also were excursions to Borodino field, the town of Mozhaisk and its monastery of the 5<sup>th</sup> century, the village of Peredelkino. The participants also visited Rushkin’s Museum.

### **VIII All-Russian School for Young Researchers**

The Senior Lecturer M. Georgiadu has taken part at the VIII All-Russian School for Young Researchers “Experimental Mineralogy, Petrology and Geo-Chemistry” hold by the Institute of Experimental Mineralogy of the Russian Academy of Science.

She made her presentation “Experimental Evaluation of Heterogeneity of Spreading of Impurities in Solid State Metal Systems” and visited labs of the Institute of Mineralogy where their methods and analytic facilities were demonstrated.

### **DonNTU’s Student is a Participant of the XIX World Festival of Youth and Students**

Sochi has hosted the XIX World Festival of Youth and Students in which 25 000 people from 185 countries took part. Our university was represented by the student of Engineering and Economic Faculty N. Verbovski.

There were a lot of platforms and lectures to attend but, unfortunately, time was limited. The program also included a discussion with politicians, representatives of



the world of science and art, such as S. Bezrukov, V. Zhirinovski, S. Lavrov, N. Vuichich, F. Begbeder and others.

Besides, the participants could go to the 5D -cinema theatre, different concerts and visit Sochi Park (a theme park).

There also was a discussion program in financial literacy improvement where the team of N. Verbovski ranked first. Its members got their certificates.

The President of the RF Mr. V Putin took part in the closing ceremony which added positive emotions to the event.



### **DonNTU's Students are Winners of the All-Russian Contest**

The XIV International Exhibition “Power Electronics” took place at the International Exhibition Centre “Crocus Expo” (Moscow) at the end of October. The award ceremony of the contest “Best Developments of Young Researchers and Engineers in Power Electronics” was organized in the frameworks of the event. DonNTU's students A. Burmistrov, A. Yakubovski, and V. Timokhin ranked second in the nomination “Electric Drives, Electric Machines and Transformers” for the work “Development of the Sapper-Robot with the Movement Head Electric Drive”.



The main goal of the contest was to support young researchers and engineers working in the field of power electronics and find the best research works.

**Our congratulations to the Master's students!**

### **International Investment Forum**

Dr. A. Korchevski has been invited to take part at the investment forum INVEST IN ADYGEYA.

He got acquainted with the work of the company “Promcontract” and was at a sand pit in the frameworks of the event.

### **Collaboration with OSU**

Dr. D. Nikolaenko and Dr. Rak visited Orenburg State University to get acquainted with the institution for further collaboration.



They got information on the structure of the university, met the staff of the Information System Department and the Dean of the Distant Education Technologies Faculty. They also visited the scientific library of OSU and the Museum of History of the institution.

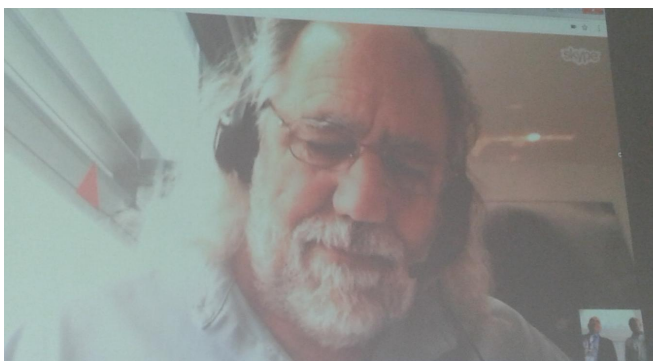
They achieved a preliminary agreement on further collaboration between DonNTU and OSU.

### **Dr. Fedyaev Makes his Presentation at the International Conference TPSPE-2017 in Moscow**

Moscow Institute of Electronics and Mathematics named after A. Tikhonov (the National Research University “Highest School of Economics) hosted the fifth International Scientific and Practical Conference “Topical Problems of System and Program Engineering” on October 14-16<sup>th</sup>.



The subject-matter of the conference was analysis of the state, development topical trends, scientific problems and practical results obtained by local and foreign scientists and experts working in system and program engineering and construction of information and analytical systems applying Big Data technology. Well-known staff of the IBM Company, experts from the Russian Academy of Science, academics and company representatives, students and postgraduate students working in ordering, designing, developing, operating and maintenance of information and analytical systems and their software and creating of projects of ordered software.



Dr. O. Fedyaev took part at the conference. There was a plenary meeting on which Russian and foreign scientists made their presentations and breakup groups at the conference. The speakers were those who define fundamental trends of information technology development. The first presentation (History and the Future of Software Development) was made on Skype by the legendary programming theorist Mr. Grady

Booch from the USA famous as the creator of the object-oriented technology of program system design and the modeling language UML.

Dr. O. Fedyaev made his presentation “Imitation Model of Student Training and Employment Based on Program Agents with Connectionist Architecture” at the breakup group “System Engineering”.

When the conference was over Dr. O. Fedyaev visited Tver State Technical University, had a meeting with its administration and got the confirmation on their readiness to sign a collaboration agreement with DonNTU.

### **The Fourth French Speaking Meeting**



Donetsk French-Russian Institute organized the fourth French-Speaking Meeting on November 5<sup>th</sup>. The President of the Representation Centre of the DPR in France Mr. Hubert Fayard was the invited guest. He spoke on the operation and the plans of the Representation Centre in front of the audience gathered at French Library. Ideas and mechanisms of implementation of possible joint French and Russian cultural projects were discussed

there. The five-hours' meeting went on a burst of inspiration.

### **XX International Scientific and Technical Conference-Seminar at DonNTU**

DonNTU has hosted the XX International Scientific and Technical Conference-Seminar “Complex Processes of Concentration, Processing and Usage of Mineral and Raw Resources” to celebrate the 90<sup>th</sup> anniversary of the Department of Minerals Concentration.

The conference paid special attention to innovations in complex processing of minerals and secondary raw resources, improving of quality of technological processes, development of advanced facilities to concentrate mineral resources and ecological problems.

Students, Master's students and experts in coal and ore dressing from Russia, Bulgaria, Montenegro and the UAE took part at the event. 14



presentations, out of which 10 were students', were made.

### **DonNTU Hosts the V International Conference MITER-2017**



DonNTU hosted the V International Conference “Modern Information Technologies in Education and Research (MITER-2017) on November 21<sup>st</sup>. It was aimed at discussing achievements of researchers, postgraduate students and students, establishing of links, and rising

of efficiency of application of a scientific potential of universities and companies. It is to assist in research and innovation activity in information systems and their applications in the system of education, exchange of experience in developments and their usage. Representatives of the DPR, the LPR, Russia (Moscow, Zelenograd, Volgograd, and Kaluga) and Belarus (Vitebsk, Polotsk) took part at the event.

There were some novelties at the conference. School teachers of information science who have promising developments and pupils who are good at the discipline could take part at the conference. The presentation made by the pupil of the Physical and Mathematical School № 17 of Donetsk A. Kobets was not worse than those made by students. There was the first ever breakup group supervised by the English Language Department at the conference. Master’s students made their presentations in English there.

The presentations will be published at the DonNTU’s journal “Information Science and Cybernetics”.

### **XIV International Scientific and Practical Conference “Economics and Marketing in the XXI Century: Problems, Experience and Outlooks” at DonNTU**



On November 23-24<sup>th</sup> DonNTU hosted the XIV International Scientific and Practical Conference “Economics and Marketing in the XXI Century: Problems, Experience and Outlooks” to celebrate the 90<sup>th</sup> anniversary of the Department of “Economics and Marketing” of the Engineering and Economic Faculty.

Experts, scientists, and practitioners from the Russian Federation, the Lugansk People's Republic, Bulgaria and Belarus and researchers, students and postgraduate students living on the territory of Donbass which is temporary under the control of Ukraine participated at the event. 42 universities, organizations and companies were presented at the conference. 124 presentations were made at three breakup groups: topical issues and outlooks of development of Donetsk Region's industry; marketing modern concepts and technologies; social and economic system sustainability.

The presentations were made on analysis, outlooks and factors of economic development of mines; regional aspects of economics and industry control; industrial company competitiveness growth; different countries experience.

### **DonNTU's Team is the Winner of the International Handball Tournament**



There has been the International Handball Tournament in Rostov-on-Don. The event was devoted to Peace and Friendship. Regional Russian teams took part in it. The DPR was represented by the students' team "Polytechic" of DonNTU.

The team ranked first and now is the holder of the Cup.

The Newsletter is prepared by the International Office of DonNTU.  
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