



### **“The Leading Figures of Science: Names, Images and Legends”- New Lecture Centre Started its Work at DonNTU**

The Big Assembly Hall of the first building of Donetsk National Technical University hosted the first meeting of the scientific and educational lecture centre “The Leading Figures of Science: Names, Images, and Legends” on January 23d. The meeting attracted the interest of many students and staff of

DonNTU and a number of educational and scientific organizations of the Republic.

Rector of DonNTU Prof. K. Marenich said in his welcoming speech: “I am sure you will appreciate the topical event. We have been impressed for many years after the Soviet Union had collapsed that western science, technologies, morals and lifestyle had absolute advantages. In 2014 we came across the western duplicity, absence of principles and hypocrisy and go on being convinced in it every day. As far as science is concerned, any experienced person will say that our colleagues in Europe and America are not more talented, cleverer, and more inventive than we are.

It was our fellow citizens Popov and Zvorykin that invented the radio and TV and Alfyorov that discovered semiconductors for the entire world. The Americans fly helicopters invented by Igor Sikorski, and asynchronous engines of Dolivo-Dobrovolski are the most widely spread electric machines in the world. It is the rocket R-9 of Sergey Korolyov that launches spaceships and the rocket engines invented by Valentin Glushko have no match in the world and there is nothing which is expected to be better in the nearest future”.

The first meeting was devoted to the life and creativity of Valentin Glushko. The lecture was called “Fire God’s Fate”, and it was delivered by Alexander Glushko, an invited guest from Moscow. Alexander visited laboratories of his father, grew up in their atmosphere, met famous rocketeers, leaders of the branch, state figures and politicians of the Soviet Union and Russia, and astronauts. As an expert in significant historical investigations he filled in his presentation with interesting facts based on his personal memories and archive data.

He presented a holistic picture of forming and developing of Soviet and further on Russian cosmonautics with its dramatic and triumphal events.

The audience got to know a man of a bright research talent, purposefulness, incredible efficiency, managerial abilities. Alexander said about the details of stealing of the pack of documents on the rocket engine of Valentin Glushko by

German Intelligence Service in 1933. This made it possible to implement the project FAU-2. They learnt about collaboration of Soviet scientists and designers in manned spaceships design and dramatic facts when the space program was brought to a close, many profile structures were abolished, and the gem of the Soviet cosmonautics- the space station “Myr”- was put off orbit and sunk to please the interest of the West and because of the collapse of the Soviet Union caused by corrupted political figures of the country.

The academician Glushko outlived his time. He died many years ago, but he left his developments, rocket engine projects with their unbeaten characteristics. It was they that renovated Russian cosmonautics. The lecturer also spoke on the prospects of the branch.

In the end of the lecture Prof. Marenich emphasized Alexander Glushko’s selfless devotion to the cause of support of the Donetsk People’s Republic and gave him an envelope with the first day’s cancellation of the stamp “Donetsk National Technical University” being a telling argument of the priority of science and education in the DPR as a present.

The audience gave a hearty welcome to Alexander Glusko, asked him many questions, and got exhaustive answers.

The Scientific and Technical Library organized the exhibition of scientific publications timed to the lecture «Fire God’s Fate: 110<sup>th</sup> Anniversary of the Academician Valentin Petrovich Glusko” which was opened at the Big Assembly Hall of the first building of DonNTU.

The Library’s staff selected publications of the Soviet engineer, the founder of the Soviet fluid rocket propulsion engineering, the main designer of space systems, a Lenin Prize and State Prize winner, a bi-Hero of the Socialist Labour. The guests of the event were impressed by them.

### **The International Television Space Bridge among Students from Italy, Greece and the Donetsk People’s Republic at DonNUET**

The International Television Space Bridge “Influence of Youth Diplomacy on International Community Consolidation” took place in Donetsk on January 25<sup>th</sup>.

The Television Space Bridge was organized in the frameworks of the Festival of Donbass Youth and timed to the Students’ Day. The event organizers were the Ministry of Foreign Affairs of the DPR, and the



Ministry of Education and Science of the DPR. Donetsk National University of Economics and Trade named after M. Tugan-Baranovski hosted the event.

The Deputy Minister of Foreign Affairs of the DPR Ms. N. Sergeeva, the Chairperson of the People’s Committee in Foreign Policy, International Links,

Information Policy and Technologies Ms. E. Melnik, the Head of the Department of International Relations and Foreign Policy of Historical Faculty of Donetsk National University Dr. R. Morozov were present at the event.

Students of Gorlovka Institute of Foreign Languages, Donetsk National University, Donetsk National Technical University, Donetsk National University of Economics and Trade and Donbass Law Academy as well as students from the Donetsk Region territory which is under temporary control of Ukraine participated in the event.

As to European countries, representatives of Lion University (France) and Messina University (Italy) joined the on-line conference.

Representatives of scientific circles of France and Italy, the Head of the French public organization “Ouest – Est” Mr Nikola Mirkovich and the professor of the Italian lycée “F. Maurolico” (Messina) Daniel Makris communicated with the students.

The representatives of the higher education establishments of Donbass and Europe discussed modern tendencies and prospects of development of international links, characteristics of a state and public life of the DPR, Italy and France, attitude of European mass media to the events in Donbass and emphasized the significance of the youth contribution into the struggle for the information blockade breakage.

.The participants made a decision to continue collaboration between Donbass and European students.

### **DonNTU’s Delegation is a Participant of the International Forum “Oil Capital” in Surgut**

With the support of the charity fund “For the Future of Donbass”, the Russian Centre, the Department of the International Links of the Ministry of Education and Science of the DPR and the International Office of DonNTU some staff members of our university have visited Surgut (Russia). The delegation of DonNTU was invited to



the largest industrial centre of Tyumen Region to participate in the First International Youth Scientific and Practical Forum “Oil Capital” on February 8-9 2018. Surgut State University (SurSU) hosted the event. The first international conference of young researchers “ Oil-and-Gas Industrial Region Future”, the exhibition of innovation projects “Innovations: Development 2018”, the contest of innovation projects, 5 round table meetings, master classes and other popular science activities were organized in the frameworks of the forum.

More than 700 people from 26 regions of Russia and 8 world countries were its participants. Talented researchers, key experts, representatives of the largest gas-and-oil companies of the world gathered to exchange experience, share information, develop science, and solve problems in the field. Despite such a great number of participants the delegation of the DPR had something to tell them.



The event was opened on February 8<sup>th</sup>, the Day of Russian Science which was symbolic! Mr. I Kholmanskih, the representative of the President of the RF in the Ural Federal District greeted the participants.



Young researchers had a chance to communicate with the eminent guests of the forum. They discussed the issues of oil production, education, personnel, and oil recovery, and Bazenovskaya Suite development. It was unique that one general problem was discussed by the representatives of the state machine, education, science and industry. Young researchers were the moving force of the discussions.

### **Specialized Exhibition of Innovation Projects in Fuel-Energy Complex “Innovations: Development 2018”**

The exhibition, which was opened as an important event, displayed ideas and developments in the fuel-energy complex (FEC) which Russian and foreign innovation companies, research institutes, educational institutions and some inventors – authors of innovation projects in FEC- shared with the audience.

The company “Inspection” showed their innovations in high quality nondestructive check. Its director was happy to learn that their interest coincides with that of researchers of DonNTU and said they were ready to collaborate.

It was rather interesting to study and compare the works of students of SurSU with those of our students.

The two-day’s conference of young researchers “Technologies of the Future of Oil-and-Gas Production Regions” was the most informative.

DonNTU’s delegation took an active part in it and established links with Siberia Federal University (SFU) as to collaboration in using the laboratory base of SFU for research.

The staff of SurSU hopes to collaborate with our university in the field of mathematics and physics.

### **International Scientific and Practical Conference “On the Threshold of Future Discoveries”**



On February 20-22<sup>nd</sup> Krasnodar hosted the international scientific and practical conference “On the Threshold of Future Discoveries” to celebrate the 120<sup>th</sup> anniversary of the Honoured inventor of the RF Semen Davidovich Kirlian (hi is called Krasnodarski Tesla).

The conference took place at Kuban State University. There were 70 participants from Russia, the DPR, Ukraine, England, and the Netherlands. They made their presentations on practical application and development of Kirlian method in different spheres of human activity.

Researchers, doctors, biologists, psychologists, teachers, and directors of the companies that make devices based on Kirlian method were sharing their opinions during two days. K.G. Korotkov, a professor of St. Petersburg State University of Information Technologies, Mechanics and Optics, the President of the International Association of Medical and Applied Bioelectrography delivered his two hour's lecture on the unique Kirlian method and prospects of its development.

The conference adopted a resolution on establishment of the International Association of Researchers in the Field of Kirlianography and the Museum-Institute of the Kirlians. On February 22<sup>nd</sup> the conference participants went sightseeing and laid flowers on the memorial plate on the house where the Kirlians lived and on the grave at the Slavic cemetery where the inventors had been buried. Then they went to stanitsa Dinskaya where there is a memorial exposition devoted to the inventors and learnt interesting facts of their life and work. The participants saw the show "Kuban is a Gem of Russia" and watched some video films about D. Kirlian with the stories said by his follower V. Adamenko, and about the conference in Yaroslavl in 2007.

Dr. S. Dzhura, the Director International, represented DonNTU (the DPR) at the conference. He made a teamwork presentation (with the co-authors Dr. A. Chursinova and Dr. V. Yakimishina) "Application of the GDV –camera to Develop Distant Learning System for Electrical Engineers" which was awarded the conference diploma.



In the photo Dr. S. Dzhura is next to Prof. Korotkov who is holding the book in his hands. The presentation is a chapter of the book that won the title of the best scientific book at the Russian contest last year. The complete version of the book can be found at

[http://www.roerich.com/iic/russian/ovs/dzhura\\_book\\_rus\\_2014\\_.pdf](http://www.roerich.com/iic/russian/ovs/dzhura_book_rus_2014_.pdf)

Dr. Dzhura also established contacts with all producers of the devices, and according to the task set by the MES of the DPR, some universities of Kuban.

## DonNTU Participates at the World Congress “Virtual University Administrating”

On February 17<sup>th</sup> DonNTU took part in the world congress on virtual education organized by a partner of DonNTU the Technological University named after Simon Bolibar, Lima, Peru. 40 university from Peru, Mexico, India, Malaisia, Africa, Russia and the DPR were among the participants. : <http://cladperu.org/wp/2018/01/20/congreso-internacional-de-administracion-de-programas-universitarios-virtuales/>

DonNTU ( the DPR) was represented by Dr. S. Dzhura, the Director International. His presentation “The Future Distance Learning Path” can be found at <https://vimeo.com/255552160> He spoke about distance learning technologies applied at DonNTU on the example of its three subdivisions: The Institute of Continuous Education, the Institute of Innovation Technologies of the Extra-Mural Department, and the Department of Applied Mathematics. The details of the future system of distance learning can be found in the English version of his book “The Universe Ethic Algorithms” which can be, with permission of the publishing house,

### Congreso Internacional de Administración de Programas Universitarios Virtuales



**ADMINISTRACION DE PROGRAMAS UNIVERSITARIOS VIRTUALES**

*Experiencias en Europa, Asia, África y Latinoamérica*





downloaded at : [http://www.roerich.com/iic/russian/ovs/dzhura\\_eng\\_2015.pdf](http://www.roerich.com/iic/russian/ovs/dzhura_eng_2015.pdf)

The speaker answered many questions and asked his to other participants of the congress. Thus DonNTU got topical information on the current state and prospects of development of the distance learning in the world and demonstrated topicality of the values of the Great Russian

World.

### **Scientific and Practical Seminar “Control Optimization in Electric Drives”**

Dr P. Rozkaryaka took part in the scientific and technical seminar “Control Optimization in Electric Drives” which was held by the National Research University (MEI) in Moscow (Russia).

The first seminar was held 25 years ago and has become one of the most significant scientific events in the electric drive field of Russia and attracts researchers from the country and abroad to exchange the results of their scientific and methodological work.

In 2018 the broadened International Programming Committee was set up to expand international cooperation. The seminar includes sessions of the international seminar on electric drive (IWED) with presentations made in English and with technical support of the Institute of Electrical and Electronic Engineers (the IEEE). All the papers will be indexed in the data bases of IEEE Xplore, Scopus and Web of Science.

49 experts and researchers from different European countries made their presentations.

Dr. Rozkaryaka established contacts with many colleagues from key universities of the RF.



### **Collaboration with the Company “Advanced Technology Systems” goes on**

The key researcher of DonNTU Dr. S. Khrapko visited the company “Advanced Technology Systems (the RF, Moscow Region, Lyubertsy) in October- November

2017. He developed algorithms and software to calculate slag and metal mixing speed. They were delivered to a customer.

As a result the collaboration between our university and the company is going on.

### Thank You Letter from Russian Colleagues



Prof. A. Yakivchenko got a thank you letter from his Russian colleagues from «ЕВРА3 НТМК» and «ЕВРА3 КГОК» for the copy of his book “Automated Design of Wheels, Deformation Tool and Process Calibration in Wheel-Rolling Production” which he had sent to them earlier. The colleagues supported the idea of further collaboration.

### Incorporated Training at UrFU

O. Filonov, a student of DonNTU, had his incorporated training at Ural Federal University named after the first president of Russia Mr. B. Yeltsyn. He studied the discipline “International Management” in the frameworks of the Master’s program, wrote a paper and made his presentation at the conference “Russian Regions in the Focus of Changes 2017” (the breakup group “Smart Business Models in the World Economics: Triggers, Drivers, and Social Responsibility”), passed his exams and defended his research work.



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: 1<sup>st</sup> 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.org](mailto:ovs@donntu.org)