



Dr. Dzhura's Commemoration Meeting at DonNTU



This academic year's first meeting of the lecture course "Leading Figures of Science and Culture: Names, Images and Legends" took place on September 9th. According to the plan it was to be devoted to the Donbass Liberation Day" and called "Do Not Betray Your Land". Unfortunately, the performance of the poet, writer and performer of his own songs with the guitar Mr. Vladimir Skobtsov was combined with the meeting of relatives, colleagues and friends in commemoration of Dr. S. Dzhura. Sergey Georgievich Dzhura, the Director of DonNTU's Institute of Culture, the Director International, Candidate of Science, an Associate

Professor of the Department of Industrial Companies Energy Supply, and the Secretary of Donetsk Branch of the Russian Space Society left this world on September the 4th.

The meeting was opened by the Rector Prof. A. Anoprienko who offered his sympathy to the family of the late and emphasized that it was the irretrievable loss for the university, too. He told those present about life, creative and research activity of Dr. Dzhura who was one of the most desperate patriots of DonNTU and promoted the university by all available means. "I am proud I have graduated from DonNTU and that my father's name and our last name will remain here forever. I would like all graduates to like their business like my father did it", said Dr. Dzhura's son Egor.

The video fragments of the creative evenings where Dr. Dzhura sang his songs and the film made by his Department colleagues by his 55th jubilee which he had celebrated last year were shown. The third year assistant-trainee of Donetsk State Musical Academy named after S.S. Prokofiev devoted his composition called "Ballad about a Bird" to Dr. Dzhura. It was performed at the meeting. Those present observed a minute of silence in memory of Dr. Dzhura.

Mr. V. Skobtsov, an old friend of Dr. Dzhura, performed his verses and songs. He mentioned that Sergey has always been a surprisingly inspiring and decent personality.

The President of the Russian Space Society Mr. A. Gaponov also thanked the late and spoke about his role in the organization of the RSS Donetsk branch.

DonNTU's Rector also signed the memorandum "About Life Development Culture" prepared by the Russian Space Society which representatives presented new

books on Russian cosmism, space development, and computer and information technologies to him. Persons interested could take with them issues of newspapers published by the organization.



DonNTU and SevSU Signed Cooperation Agreement

The Rector of Sevastopol State University (SevSU) Prof. V. D. Nechaev and the Rector of DonNTU Prof. A. Y. Anoprienko signed a cooperation agreement in Sevastopol on September 14th.

The Deputy Minister of Education and Science of the DPR Mr. V.N. Varyukhin, the First Deputy Minister of Industry and Trade of the DPR Mr. Y.D. Gagin, the First Vice-Rector of DonNTU Dr. A.A. Karakozov, the Vice-Rector in Pedagogic and Research Prof. I. P. Navka, the designer of remotely piloted vehicle complexes Mr. A.A. Gorokhov, and representatives of Sevastopol State University took part in the negotiations.



The parties agreed to cooperate in university education, training of highly qualified professionals, joint research, and students' cultural, spiritual, moral and patriotic education.

Prof. Nechaev emphasized the significance of mutual assistance in the period of sanctions imposed to the country. He thinks the cooperation with DonNTU, which is an important research centre, to be rather promising. They had planned academic exchanges, network programs, summer schools, conferences, and getting double degrees by students of the two universities.

Prof. Anoprienko thinks the universities to be able to cooperate in the wide range of interests. The participation in joint research and educational projects, forums, conferences, fundamental research in robotics, artificial intelligence, information protection and IT, digitization, new generation robotic and remotely piloted vehicle systems development had already been preliminary agreed.

Open Lectures of Prof. O.G. Penski from PSNRU at DonNTU

Prof. O.G. Penski from the Department of Information Technologies of Perm State National Research University (PSNRU) delivered two open lectures “The Virtual World Dialectic Mathematical Models” and “Human Psychology Mathematical Theory Fundamentals” at the Academic Board Meetings Hall of DonNTU on September 22-23d.



Prof. Penski is a Russian mathematician, inventor, the developer of new class construction machines based on application of modernized fighting artillery guns, and the creator of the robot mathematical theory – human digital analogues. The professor made his presentation with fundamental mathematical calculations on modeling of emotional robots “living” in the digital Universe designed on the basis of laws of Hegel’s dialectics.

DonNTU’s Rector Prof. Anoprienko noticed that Prof. Penski was the first academic of PSNRU to visit us. There is a cooperation agreement between our universities and the joint work in the frameworks of the annual international forum “Innovation Prospects of the Donbass” in the field of robotics is being planned. Both Prof. Anoprienko and Prof. Penski work in the similar research areas connected with the civilization development cyclicality.



Those present asked the lecturer a lot of questions. There also was an active discussion on artificial intelligence capabilities and threats related to its development.

DonNTU’s Representatives as members of the DPR’s Delegation are Organizers and Participants of the Mechanical Engineering Forum of the EACU in Sevastopol

On September 14-19th, on the eve of the Mechanical Engineering Day, Donetsk National Technical University, the Mechanical Engineering International Union, and a number of key organizations of the EAUC countries held the XXVII International Scientific and Technical Conference “Mechanical Engineering and Technosphere in the XXI Century” in Sevastopol.



This traditional event has been held in Sevastopol since 1994. Researchers and

professionals from 29 research institutions of five countries of the world participated in it. The proceedings of the conference include the papers of representatives of 12 countries.

The Deputy Minister of Education and Science of the DPR Mr. V.N. Varyukhin greeted the participants. He noted the significance of mechanical engineering for the Russian Federation and the Donetsk People's Republic and emphasized the great contribution Donbass researchers made into the branch development.

The main goal of the event is exchange of scientific and technical information, specifying of promising ways of new technologies and machines creation, development of joint scientific programs, making business contacts and commercial links in the sphere.

There were the following breakup groups at the conference:

1. Practice and prospects of creation and application of advanced and nontraditional technologies. Integrated, complex and combined hybrid technologies; production process mechanization and automation; advanced equipment.
2. Design and preparation and production management complex automation. Technosphere economic problems; creation and application of advanced tools and instrumental materials; goods and technical systems quality management; product surface layer engineering.
3. Current theoretical engineering and machine units; technical systems modeling and calculation.
4. Current material engineering, processes and materials science in mechanical engineering; nanomaterials and nanotechnologies. Engineering products coverings and strengthening technologies.
5. Technosphere special technologies and machines. Technosphere ecological issues; current issues of engineering education.

The XXI congress of the Mechanical Engineering International Union the members of which represent 20 countries took place simultaneously with the conference. The main goal of the international organization is to consolidate researchers, professionals and company representatives to assist in mechanical engineering development under the changing economics.

These two events were held in the frameworks of the VI International Scientific and Technical Forum "Technosphere 2020" which unites a number of international scientific conferences, symposia and congresses held in Sevastopol and Donetsk. Their joint organization helped outline main marks of mechanical engineering development in its prospect; specify the vector of advanced development of machines and technologies and sum up technosphere development. At present it is of vital importance for the DPR's economics, mechanical engineering restoration and

development as the industry is the basis for the development of all other branches of the national economy.

Representatives of Donetsk scientific society are permanent participants of the forum. Prof. Anoprienko, the Rector of DonNTU, made his presentation “System Dynamics of the Terchnosphere is a New School which Helps Understand the Past and Forecast the Future”.

Students of the Department of International Economics Got the RF Degree

Master’s students of the Department of International Economics of DonNTU who studied on the joint with Ural Federal University named after the first president of the RF Mr. Yelysin (UrFU) “double degree” program got their degree diplomas on September 7th.

DonNTU’s Rector Prof. A Anoprienko presented them with two degree diplomas: the Russian and the DPR’s one.

According to the Forbes journal UrFUY ranks fifth in the list of Russian universities and has been a prestigious and respected partner of DonNTU since 2015.

DonNTU’s students had performed very well in studying and research and successfully defended their Master’s dissertations online. There were 6 students, and one of them, Ms. Duvanova, got two honours diplomas.



The obtained knowledge, practical experience, skills, and diplomas will help the graduates to be employed and raise their competitiveness not only in the local labour market but also abroad.

Sergey Chekmev Delivered his Lecture “Computer Games Scenario” for DonNTU’s Students

Mr. S. Chekmaev is the Russian science fiction writer, scriptwriter, copy editor who



teaches “Work with Game Scripts” at the High School of Economics. He also has a title of the Outstanding Cultural Figure and a Man of Science of Russia 2012, a member of the Russian Journalist Guild, the International Journalist Association and the Russian Literary men Guild. Mr. Chekmaev has delivered his

lecture “Computer Games Scripts” to DonNTU’s students. He has a degree in IT and

participated in literary processing of 100 computer and mobile games (S.T.A.L.K.E.R., World of Tanks, Geopolitika Online, Global Antiterror, Our Universe and others), so he comprehensively covered the subject-matter of his lecture.



He spoke about the current Russian game industry and how the situation there differs from the common beliefs. Its consumer market is growing like an avalanche because of the coronavirus pandemic which changed the games themselves and the approach to them. Now computer games are not only endless shooting and chasing. There are plenty of them which help study school and university disciplines (mathematics, physics, languages etc.) and teach how to behave in extreme situations (for example the game for teenagers BumbleBee which is a graphic short story which teaches safety rules on the Internet). The current games make it possible to “download your memories” as it was done in the famous movie “Total Recall”: players can have any life experience and try themselves in any social roles and experience a huge range of emotions.

According to Mr. Chekmaev programmers, game and narrative designers are the most demanded professionals in the game industry. Any student can try his abilities there because it is the way to gain work experience and the portfolio. Mr. Chekmaev offered cooperation to DonNTU’s students who are able to set a new trend in the game industry. They can contact him on social media and ask any question they have.

DonNTU’s Academics are Prize-Winners of the All-Russian Contest on the Best Scientific Book in 2019

Academics from the Department of Physics Prof. A. Volkov and Dr. T. Lumpieva are prize-winners of the All-Russian Contest on the best scientific book 2019 in the nomination “Technical Science” for the book “Physics Course”.



DonNTU’s Students at the Science Fiction Festival “Stars over the Donbass”

DonNTU’s students have visited the festival of science fiction “Stars over the Donbass” organized by the DPR’s Public Chamber. The Russian writer Maria Semenova, famous for her book series “Wolfhound” delivered her lecture to them. Maria is the author of detective novels, historical books, namely of the historical

encyclopedia “We are the Slavs!” She is also a literary translator and one of the founders of the sub-genre of science fiction which is “Slavic fantasy”.

Her lecture covered the morphological fantasy – “How to Work with a Myth”. Maria told the students about modern authors working in the science fiction genre, gave some examples from her own biography, and spoke about the creation of her famous work “Wolfhound”. The lecture aroused the audience interest and a lot of questions.

Then Maria played on a musical instrument which caused the audience admiration. She says that she always gets into the characters when she writes her books and they always teach her something new: now she knows how to ride a horse and play a musical instrument.

Maria Semenova was happy to take photos with the students.

Newsletter is prepared by the International Office of DonNTU.

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