

Ukraine.ru Interviews DonNTU's Rector on Engineering Civilization in Donbass



advancement into the future with him.

DonNTU's Rector Prof. A. Anoprienko was the chairperson of the industrial breakup group at the investment forum in Donetsk. The correspondent of Ukraine.ru Mr. Oleg Izmailov discussed university's current activity, its role in the history of Russia, innovations, Donbass engineering and technological civilization advantages and its

DonNTU Hosts II Republican Scientific and Practical Conference “Current World Economics: Challenges and Reality”

On December 11th DonNTU hosted the II Republican (with international participants) Scientific and Technical Conference “Current World Economics: Challenges and Reality”. It was organized by DonNTU and the Economic Research Institute, Orenburg State University, the Institute of Euro-Asian Economic Union Development Problems, Moscow State University, and Novgorod State University named after. Y. Mudriy.



There were 142 participants who represented two research institutes of the DPR and the LPR, Transdnistria and the RF.

DonNTU's Rector Prof. A. Anoprienko, the Minister of Economic Development of the DPR Mr. A. Polovyan, Directors of the above mentioned research institutes, and the Dean of the Engineering and Economic Faculty Dr. V. Zhilchenkova greeted the participants. They emphasized the necessity of holding the conference to specify the model of the development of the DPR in the context of dynamic changes of the world economics.

Prof. A. Anoprienko made his presentation on system dynamics of digital economics and real chances to forecast it. Mr. Polovyan spoke on international and national priorities of economic development of the DPR. The speakers also specified the main international drivers of economic development of the DPR and the ways of their mobilization and spoke on the necessity to develop the economic model of DPR's development based on re-industrialization.

Prof. L. Kopteva from St. Petersburg State Institute of Aerospace Instrument Engineering spoke on practice of the key countries of Europe and Asia in digital economics and emphasized the necessity to train qualified personnel. Prof. T. Ibragimhalilova spoke on soft and strong influence of country's foreign policy, and Ms. Sigitova, the chairperson of DPR's State Committee of Land Resources, spoke on problems of land relations.

Dr. L. Shabalina reviewed the current state of world food market and gave some practical recommendations as to solving food problems in the DPR.

The manager on development of the eastern region Sandoz (Novartis group) 2011-2014 N. Masliy spoke on integration of pharmacy in the DPR into the system of the world economics. The scientific discussion followed the presentation specified the priorities of revival of pharmaceutical companies in the Republic.

The conference ended with the presentation of Dr. A. Kuzheleva on transboundary collaboration and specified the issues of international collaboration of Donbass and the RF in the context of the Euro-region "Donbass".

The conference adopted a resolution as to development of the adaption model of DPR's development in the current world economics context with taking into account soft and strong influence forces which will result in attraction of both local and foreign investors.

V.P. Glusko's Book "Planet Exploitation Issues" and its Presentation at DonNTU

There was V.P. Glusko's book "Planet Exploitation Issues" presentation in the frameworks of the lecture course "Culture Masters: Names, Images and Legends" at DonNTU on December 18th. He wrote the book when he was 16.



V.P. Glushko (1908-1989) is a scientist, the founder of the Soviet liquid rocket engine, twice Hero of Social Labour, the winner of Lenin and State Prizes of the USSR.

Prof. Anoprienko opened the event. He congratulated the participants with the book publishing saying that it is important as the book had been waiting for its publishing for 90 years and came out in Donbass, the motherland of the close friend of V.P. Glushko Mr. G. Langemak, one of the leaders of development of rocket shells in the rocket mortar "Katyusha".

A. V. Glusko, author's son, the key professional in history of the Soviet manned space exploration, an expert in critical historical investigations, told the audience how the book had been written. Mr. K Tsiolkovski had given a positive review of the manuscript.

The book, which is topical today, is author's first attempt to look at the future of human's civilization through the prism of science and to prove that depletion of the "vital juice of Earth" is a natural result of human's activity progress. According to V.P. Glushko the nearby planet colonizing and replenishment of drying up energy reserves and matter at the expense of the "deepest worlds of space" is the way out of the crisis. A.V. Glusko wrote the preface and Prof. A. Y. Anoprienko afterword to the book.

The Vice-Rector of DonNTU Prof. I. Navka and the Donetsk science fiction writer, a deputy of the People's Council of the DPR Mr. F.D. Berezin greeted the audience. The latter also presented his new science fiction novel for children "The Black Star King".

The lecture "Computer Technologies of the Future: All-pervasive, Post-binary, Supersensory..." delivered by Prof. A. Anoprienko finished the event. The copies of the book "Planets Exploitation Issues" with A.V. Glusko's autograph were given to university's library. On the morning of December 19th students were waiting for the library to open to read the book, and, if they are lucky, to borrow it. The student A. Nemshilov is among the lucky ones.

Round Table Meeting "Donbass-Space" and Art Site "Star Campus" at DonNTU

There was a round table meeting "Donbass-Space" at DonNTU on December 19th. It covered the issue of the history of space exploration and Donbass contribution into formation of astronautics. The famous astronaut A. V. Glusko who spent 184 days and 22 hours in space was the event guest.

DonNTU's students asked experts many questions: on the ways to solve emergency situations, crew members' relationships etc. The author of the most interesting question (a student of Engineering and Economic Faculty) was given the book "Planets Exploitation Issues" written by V.P. Glushko.



When the round table meeting was over, the art site "Star Campus" was opened in the 11th building of DonNTU. Different "star events" such as meetings with

outstanding people, famous writers and scientists will be held there. Students can also relax, surf the Internet (there is Wi-fi zone on the site) and have a snack there.

DonNTU Hosts VI International Scientific and Technical Conference “Modern Information Technologies in Education and Research” (SITONI -2019)

The faculty of Computer Science and Technologies of DonNTU hosted the VI International Scientific and Technical Conference “Modern Information Technologies in Education and Research” on November 26th.



Prof. I. Kozhukhov from Moscow, DonNTU’s Honoured Doctor, was the co-chairperson of the event.

There were 90 participants from the DPR, the LPR, Russia and Belarus there. They worked in five breakup groups: “Theoretical and Applied Mathematics”, “Computer Science and Technologies”, “Information Technologies in Education”, “Software Engineering”, and “Information Technologies in Studying of Foreign Languages”. The conference proceedings have been published.

XVIII Interdisciplinary Scientific Conference “Ethics and the Future Science; Russian Science – Traditions and Perspectives”

DonNTU, Moscow State Technical University named after N. Bauman and other famous universities of the Russian Federation are co-founders of the International Interdisciplinary scientific Conference “Ethics and the Future Science”.

Moscow has hosted the XVIII interdisciplinary scientific conference “Ethics and the Future Science; Russian Science- Traditions and Perspectives”. A member of the conference Organizing Committee, Director International of DonNTU Dr. S. Dzhura represented our university at the event.

The scientists who have been grouping around the magazine “Delphis” for 18 years ask questions concerning the ethics role in the future science. Thematic conferences having the common name build a new world-view paradigm around the wide scientific and philosophical synthesis offered by system analysis and synergy. Russian science, its traditions and perspectives has been the key



and sign concept this year.

The conference works out scripts of new trends in science and production concept development in line with traditions of Russian science, discusses a wide range of interdisciplinary problems, issues of natural science, medicine, ecology and education as well as the idea and goals of the Russian World.

There were 48 presentations at the conference. The participants related the topics of the reports to the education process in the society. Dr. S. Dzhura made his presentation “Solving of Mankind’s Most Vital Task by GDV-technologies” which caused keen interest and discussions. In fact it is a precise revolutionary proposal on scientific and industrial collaboration between the DPR and the RF on new concept of the Big Russian World development.

Establishment of Integration Relations of Coal Industry Enterprises of Kuzbass and DonNTU



The company “EUROAS United West-Siberian Metallurgical Plant” hosted a scientific and practical seminar of professionals working in mining ecology, mineral processing, mineral mining and natural use of natural resources. The goal of the meeting was to improve efficient use of

primary combustible minerals and secondary raw materials.

The Dean of Mining Faculty of DonNTU prof. A. Korchevski took part in the meeting. Its slogan was “Pure Coal – Green Kuzbass”. The issues of coal complex processing, preparation innovation technologies, ash reduction of commercial products, and industrial waste processing were discussed there. Prof. Korchevski presented his monograph “Mining of Mineral Raw Materials and Products of its Processing” which aroused keen interest of the participants.

There also was a visit to the company “Rover” which specializes in the enrichment of thermal coal of the brand “T” mined by open pit, as well as to the factory Prokopyevskaya ". As a result, an agreement on establishing integration ties between the enterprises of the coal industry of Kuzbass and DonNTU was reached.

DonNTU’s Students Participate in the International Festival “Off We Go!”

On December 7- 10th the International Festival of Children and Youth Scientific and Technical Creativity “Off We Go!” was held in Bryansk. It brought together



participants, leading experts and scientists from Russia, the DPR, and LPR. The students Ekaterina Bondarenko, Oleg Volkov, Polina Shelukhina and Denis Khlebchenko represented Donetsk National Technical University. The event was held under the auspices of the Ministry of Industry and Trade of the Russian Federation with the support of the Federal Agency for Youth Affairs and the Industrial Development Fund.

Donetsk polytechnics took part in the speaker session "From the couch to the victory", the exhibition of young specialists' developments (International Innovation Camp), the federal competition "Project Showcase", networking for experts, and discussion platforms "Support for youth technological projects - from start-ups to implementation." The experience of higher education institutions of the Bryansk region ", " Attracting students to technological entrepreneurship as an instrument for industrial development ", " Digital space in technological entrepreneurship ", " Financial instruments to support technological entrepreneurship in the youth environment ", " Mechanisms for identifying talented youth, round table meeting "Development of the federal competition" Showcase of projects in the region ".

Oleg Volkov presented a prototype of a bionic prosthesis at the International Innovation Camp, which was aimed at popularizing inventive activity among young people. The exhibit aroused keen interest of visitors and interested experts. Students and schoolchildren asked many questions and were able to experience the development of a young scientist. Students of the Faculty of Engineering and Economics of Donetsk National Technical University Polina Shelukhina and Denis Khlebchenko successfully passed the qualifying stages of the festival and took part in networking - sessions for experts. Polina and Denis adequately presented DonNTU, having received gratitude for participating in the Russian Engineering Word expert forum. This trip took place thanks to the support of the international cooperation sector of the Ministry of Education and Science and the Russian Center for the DPR.

Excursions at the Belarusian State Agrarian University, the Belarusian State Technical University, the Innovation Center, were organized for students and experts where they got acquainted with subject laboratories, as well as the historical and architectural complex of the agricultural university. Students returned with a lot of impressions, a desire to develop and implement new innovative projects. They

exchanged contacts with the organizers of the event and experts, and new knowledge will help them in creating research projects.

Students were awarded certificates of participation and thanks.

DonNTU's Representatives Participate in the II International Scientific and Practical Conference "Innovative Approaches in Higher Education in the Field of Computer Science"

On November 26th representatives of the Department of Economic Cybernetics of Donetsk National Technical University made online reports at the II International Scientific and Practical Conference "Innovative Approaches in Higher Education in the Field of Computer Science", which was held at the Institute of Radio Electronics and Information



Technology, Ural Federal University named after First President of Russia B.N. Yeltsin. Participation in the event is a prerequisite for the development of the project of networking between the two universities in the master's program "IT Innovation in Business".

Strict competitive selection reports were presented in online format in English and reflected the main results of master's work and research projects carried out in the framework of partnership between two departments: economic cybernetics (from DonNTU) and systems analysis and decision-making (from UrFU).

The post graduate student Daliat Maximus made his presentation "Monitoring the financial performance of using open source software in government digital projects", master's student Iliya Sychev spoke on modeling the target architecture of an entrepreneurial network as a complex system of interaction, the student Mark Pavlov reported on development of client-server technology for access to the database of algorithms on the VUE.JS platform, and the master's student Sergey Sorokotyaga made his presentation "Data and application management models for content services architecture".

The conference was also attended by a graduate student of the Department of Systems Analysis and Decision Making of the Ural Federal University, a former graduate of the Department of Economic Cybernetics of DonNTU Anastasia Apanasenko ("Information systems based on simulation models as a tool for managing network interaction").

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-institut-a-mezhdunorodnogo-sotrudnichestva> E-mail: ovs@donntu.org